NATRONA COUNTY SCHOOLS

HIGH SCHOOL COURSE CATALOG

2021-2022

NATRONA COUNTY SCHOOLS

The high schools in Natrona County School District recognize open enrollment/schools of choice and are offering students more opportunities than ever. We invite you to explore these opportunities and make a choice that best meets your student's ability to learn during their high school experience. We are honored and excited to have the privilege of serving you.

Please visit natronaschools.org for updated information on administrative regulations such as: dress code, attendance, and cell phone policies.

All four high schools offer a variety of opportunities for all students that meet graduation and Hathaway requirements. Below is a list of some specific programs:

- Home high school courses (at all high schools)
- AP (at Kelly Walsh High School)
- IB (at Natrona County High School)
- Pathways Innovation Center

Michael Jennings
Superintendent

Verba Echols
Associate Superintendent of Human Resources & District Services

Walt Wilcox
Associate Superintendent of Curriculum & Instruction

Steve Ellbogen
Executive Director of Human Resources & District Services

Angela Hensley
Executive Director of Curriculum & Instruction

Charlotte Gilbar
Executive Director of Curriculum & Instruction

High Schools & Programs

Kelly Walsh High School
Principal: Mike Britt
253-2000
3500 E. 12th 82609

Natrona County High School
Principal: Shannon Harris
253-1700
930 S. Elm 82601

Pathways Innovation Center
Asst. Principal: Lucas Dow
253-1451
3000 Independence Ct. 82604

Midwest High School
Principal: Chris Tobin
253-3500
256 Lewis, Midwest 82643

Roosevelt High School
Principal: Shawna Trujillo
253-1400
3000 Independence Ct. 82604

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High School Courses

Career and Technical Education (CTE)

- **Business**
- **Family and Consumer Science**
- **Health Occupations**
- **Agriculture**
- **Audio/Visual Communications**
- **Engineering Design**
- **Industrial Technology**

Computer Science

Financial Lit./Civic Responsibility

Fine and Performing Arts

Foreign Language

Language Arts

Mathematics

Physical Education

R.O.T.C.

Science

Social Studies

Miscellaneous

Special Education

Dual Enrollment Courses

Non-discrimination Policy, Grievance Procedure, Disclosure

GRADUATION REQUIREMENTS IN NATRONA COUNTY

Content Area	Credit(s)	Expectation(s)
Language Arts (English) - All NCSD	4	1 & 5
Mathematics - All NCSD	3	1 & 5
Science - All NCSD	3	1, 2 & 5
Social Studies - All NCSD	3	1, 3 & 5
Physical Education - All NCSD	2	5
Civic Responsibility & Financial Literacy - All NCSD	1	4 & 5
Electives at these NCSD High Schools - Kelly Walsh, Midwest, and Natrona County	10.5	5
Electives at Roosevelt Alternative High School	4	5 & Student is required to complete a graduation plan
Total at these NCSD High Schools - Kelly Walsh, Midwest, and Natrona County	**26.5**	5
Total at the NCSD Alternative High School - Roosevelt	**20.0**	5

Alternative High School (Roosevelt) Graduation Requirements

Beginning in 2020, Roosevelt Alternative High School will not be classified as an option under the 'open-enrollment' choices for Natrona County School District. Enrollment in Roosevelt will be based on the individual student's social, emotional and/or academic needs as determined by the District utilizing a process outlined in the details of administrative regulation 6400. As an alternative within Natrona County School District, Roosevelt High School is a referral recommendation generating from Kelly Walsh, Midwest or Natrona County High Schools. Beginning with the class of 2020, an NCSD Roosevelt Alternative High School student must obtain **20.0 credits of high school equivalent course work** and a required graduation plan for each individual student.

High School (Kelly Walsh, Natrona County, & Midwest) Class Rank

(Administrative Regulations 6410 updated December, 2018)

Each semester, after the completion of the Spring Semester of a student's junior year, class rank will be determined by NCSD's weighted Grade Point Average (GPA). Students with a higher GPA will be ranked above those with a lower GPA.

1. Seven (7) credits per academic year (28 total) shall be considered in determining final class rank.
2. Approved courses qualified for high school graduation shall be weighted.
3. Any replacement/repeat course will be credited to the year for which the original class was taken and the GPA for that year recalculated. Courses repeated for a higher or passing grade will only count one time toward class rank and credit, but will remain on the transcript and noted as a 'repeated' course.
4. Students who wish to pursue credits in excess of 7 per year and more than a 28 credit maximum may do so, but such courses shall not apply to class rank. The seven (7) credits which give the student the highest GPA for that year will be used for ranking computations.
5. Exceptions to credits earned and course weighting prior to ninth (9th) grade will be determined collaboratively by the high school head principals.

Alternative High School (Roosevelt) Class Rank

Roosevelt High School does not rank students using the GPA system. Faculty will select the "Most Outstanding" and "Most Improved" male and female seniors. Those identified students will be recognized at the graduation ceremonies.

Purpose and method to determine Unweighted, NCSD weighted and Wyoming Hathaway Scholarship impacting class rank weighted grade point average

NCSD recognizes three different (3) systems for reporting grade point average (GPA) and grade weighting:

1. Unweighted GPA - A grade point average is a number representing the average value of the accumulated final grades earned in courses over time.
2. Wyoming Hathaway Scholarship grade weighting
3. NCSD weighted GPA - used for NCSD class rank

Name	Purpose	Calculation	Scale
Unweighted GPA	Communicate performance on all courses qualified for high school that are completed	4.0 scale is used for all courses that assign letter grades	Regular Scale Unweighted A = 4.0 B = 3.0 C = 2.0 D = 1.0 F/No Credit = 0.0
* Hathaway Weighted GPA	Communicate performance on all courses qualified for graduation (approved for Hathaway) towards attainment of Hathaway Scholarship levels	Per Wyoming Statute 21-16-1301 and WDE Chapter 38. Honors weight is given to all college courses 1000 level. AP/IB/Honors identification	Hathaway Scale A = 5.0 B = 4.0 C = 3.0 D = 2.0 F/No Credit = 0.0
NCSD Weighted GPA	Communicate performance on all courses approved for graduation with rigorous courses weighted as honors or advanced. Determines class rank Student aide, advisory, or other .25 semester courses will not be calculated into any GPA formats. The GPA calculation shall not be rounded. Any digits after the thousandths place shall be dropped.	Regular, Advanced, Honors scales are used for all courses that assign letter grades Regular, Advanced, Honors scales are used for 28 courses that assign letter grades (7 courses a year.)	Regular Scale Unweighted See above Advanced Scale A = 4.5 B = 3.5 C = 2.5 D = 1.5 F/No Credit = 0.0 Honors Scale A = 5.0 B = 4.0 C = 3.0 D = 2.0 F/No Credit = 0.0

*Definition of Wyoming Hathaway Scholarship Grade Weighting for NCSD

Additional Wyoming reporting is required for all Wyoming students beginning with the class of 2018-19. In 2017 the Wyoming Legislative Session established a grade-weighting policy that accounts for the increased academic rigor of high school courses beginning in the 2018-19 school year. Districts will be required to use a 5.0 weighted Hathaway scale for all AP, IB, and +1000 level and above dual/ concurrent courses for all students. Districts will also be required to display the weighted Hathaway GPA on all student transcripts for Hathaway Scholarship awarding purposes.

Process for Determining Class Rank for Traditional High Schools

Class Rank is determined on the basis of grades earned in courses qualified for high school graduation, excluding any .25 semester courses.

Courses that are academically rigorous are assigned advanced or honors designations and carry the greatest weights in determining class rank. All levels (regular, advanced, honors/advanced placement) and all letter grades (A-F) are utilized to determine class rank in the following manner for each one-half (0.5) credit:

Student rankings will be calculated at the end of each Fall and Spring Semester beginning after the end of Spring Semester of the student's junior year by calculating the GPA for up to seven (7) courses per year qualified for high school graduation.

Honor Roll

PRINCIPAL'S HONOR ROLL—Students may earn the "Principal's Honor Roll" designation by achieving a minimum 4.00 GPA for a nine-week grading period (semester at NCHS) and being enrolled in the minimum of 2.5 credits.

SCHOLASTIC HONOR ROLL—Students may earn the "Scholastic Honor Roll" designation by achieving a minimum 3.5—3.99 GPA for a nine-week grading period (semester at NCHS) and being enrolled in a minimum of 2.5 credits.

ACHIEVEMENT HONOR ROLL—Students may earn the "Achievement Honor Roll" designation by achieving a minimum 3.0—3.49 GPA for a nine-week grading period (semester at NCHS) and being enrolled in a minimum of 2.5 credits.

Grading System

A (Superior)	90-100
B (Above Average)	80-89
C (Average)	70-79
D (Below Average)	60-69
F (Failing)	Below 60

National Honor Society Membership Qualifications

- Must be in 10th-12th grade
- 3.5 minimum cumulative grade point average
- Recommendation of two faculty members
- Participation in community service
- 2 or more Advanced or Honors courses each year
- Membership is determined by each school's National Honor Society charter

HATHAWAY SCHOLARSHIP

REQUIREMENTS

HATHAWAY SCHOLARSHIP

	HONORS	PERFORMANCE	OPPORTUNITY	PROVISIONAL
	$1,680 per semester	$1,260 per semester	$840 per semester	$840 per semester
MAX AWARD AMOUNT	8 full-time semesters			4 full-time semesters. Students with a certificate can extend for an additional 4 full-time semesters at a community college.*
WHERE YOU CAN USE IT	May be used at a WY community college or UW			Must start at a WY community college
LANGUAGE ARTS (years)	4 (9–12 grade only)			Current HS graduation requirements
MATH (years)	4 Algebra I, Algebra II, Geometry and one "additional math" course taken in grades 9-12			Current HS graduation requirements; at least 2 of these courses: Algebra I, Algebra II, Geometry
SOCIAL STUDIES (years)	3 (9–12 grade only)			Current HS graduation requirements
SCIENCE (years)	4 (9–12 grade only) One year may include an "additional science" course			Current HS graduation requirements
Fine and Performing Arts or Career and Technical Education or Foreign Language	4 Years*** 2 years must be a sequenced pathway		2 years of CTE, FPA or FL (2 years foreign language must be sequenced)	
ACT SCORE	25	21	19	17 (Or score a 12 on WorkKeys)
HIGHSCHOOL GPA	3.5	3.0	2.5	2.5

2019 and 2020 graduate can use either the 2018 Hathaway Success Curriculum (HSC) or the current. 2021 graduates will be required to use the current HSC.

*Students with an associates degree can extend for an additional 4 full-time semesters at UW
**All AP, IB and dual/concurrent courses (+1000 level and above) will be weighted.
***2 years must be a sequenced pathway, the other two years can be in the same or a different subject area.

HATHAWAYSCHOLARSHIP.ORG

Dual/Concurrent Course/BOCES

A BOCES course is a Casper College course taken on the college campus, via the Internet, or at the high school. You receive high school credit and college credit for successfully completing these courses. The credits may be used in a core area or as an elective on your high school transcript. You will receive an official Casper College transcript for these same courses as well.

BOCES will pay tuition and books for most courses offered by Casper College at the 1000 level or above (called dual credit courses, for some courses you must meet a prerequisite). BOCES will not pay for private music studio, physical education, remedial 900 level courses, or community service style classes. Other college courses are offered at the high schools (called concurrent courses). Concurrent courses are noted in this directory. Jeana Lam-Pickett, BOCES Manager, is located at Casper College. She can be reached at (307) 268-3309 to answer any questions you may have or to make an advising appointment.

High school juniors and seniors, who are Natrona County residents and who meet all course prerequisites, and are enrolled in at least one academic course (excluding Study Hall, Teachers Assistant and Correspondence), may enroll in the BOCES program. Freshmen and sophomore students may take courses after contacting their counselor and the BOCES office, 268-3309, to confirm eligibility, and then with the college instructor's permission. Instructors have the final say on admission. You will be considered a part-time college student and are responsible to schedule adequate time to meet course assignments and attendance.

BOCES will pay for the tuition and books for one course during the summer semester for 9th-12th grade students including the semester after they graduate from high school. 9th and 10th grade students: BOCES will pay the tuition and books for one course in each the Fall and Spring semesters in addition to the one Summer course. 11th and 12th grade students: BOCES will pay for tuition and books for two courses in each the Fall and Spring semesters in addition to the one Summer course.

Courses paid for through BOCES will apply to a student's transcript at both the high school and Casper College. If students pay for the course, they can choose whether or not to have the course placed on their high school transcript.

One credit hour classes will be transferred as 0 high school credit. Two credit hour classes will be transferred as .5 high school credit. Three to five credit hour classes will be transferred as 1 high school credit.

Weighted grades are allowed only when the college course is an extension of a weighted class at the high school level (i.e. – Calculus 2). Students who wish to have a class considered for honors credit/ weighted grading, must make a request to the Principal prior to enrolling in the class. All other classes will receive Ranking Points as regular classes.

It is recommended that you meet with your high school counselor to discuss your class schedule and plans, then complete the BOCES enrollment form, gather all the necessary signatures (parent, counselor) and take it to the CC Enrollment Services.

Students must fill-out the BOCES ACE registration form in order for the course to be paid for through the BOCES program. When you submit the form, they will give you the pink copy, which you can then take to the bookstore to pay for the books. The staff at the bookstore are happy to help you identify which books you need. They will bill BOCES for the books.

In order to enroll in certain Math, English, or Science courses, you will need to meet prerequisite scores on the ACT. If you have not taken the ACT or failed to meet the prerequisite score, CC Student Services, 268-2201, provides the Tailwind English and Math placement exams ($8 per exam) that may qualify you for the specific course.

BOCES will pay tuition and books for one course at Casper College during the summer immediately after graduation. This course may be remedial (800-900 level) and is the only exception to the rule in #3 above.

BOCES students are not fully admitted college students, and if they wish to attend Casper College after high school graduation, they MUST apply for admission during their senior year.

Courses listed with the BOCES symbol are potential offerings. Please contact your high school counselor with any questions.

Transcripts from BOCES Program

Every dual and concurrent enrollment course will be recorded on an official Casper College transcript as well as on your high school transcript. This Casper College transcript will follow you throughout your college career, so it is very important to take these courses seriously!

After high school, it is the student's responsibility to request that an official Casper College transcript be sent to whatever college he/she is attending. The credits will not automatically transfer. To request a transcript, you can either complete a form in the admissions office at Casper College, or online through the MyCC info portal. The best time to do this is during the summer after you graduate high school.

Credits may or may not transfer depending on each institution's policies. It is recommended that you check with the college you plan to attend before selecting your dual enrollment courses.

Factors Influencing College Admission

Each year, the National Association for College Admission Counseling (NACAC) surveys colleges and universities to determine the top factors influencing admission decisions. According to the 2014 "State of College Admission Report," the following factors in order of importance, were:

1. Grades in College Prep Courses
2. Strength of Curriculum
3. Subject Test Scores (AP, IB) & ACT Scores/SAT II
4. Admission Test Scores
5. Grades in All Courses
6. Essay or Writing Sample
7. Volunteer Work
8. Class Rank
9. Demonstrated Interest
10. Counselor Recommendation
11. Teacher Recommendation
12. Interview
13. Extracurricular Activities
14. Work

Recommended College Preparatory Classes

Colleges vary in individual requirements. It is the responsibility of parents and students to become familiar with the requirements of the particular college to which they plan to apply. Students should see their counselor if they need assistance in this area.

Major universities require or recommend the following areas of study during grades 9 through 12:

Language Arts	4 credits
Social Studies	3 credits
Mathematics (Including Algebra I, II, and Geometry)	4 credits
Science	4 credits
Foreign Language (min. 2 years of the same language)	4 credits
Fine Arts Courses (Music, Art, Drama)	1 credit (at least)
Computer Related Courses	

Extracurricular:

- Find activities, both in and out of school, that you enjoy and that provide an outlet for your non-academic side.
- Go for quality rather than quantity. Colleges admire students who put significant effort into one or two activities rather than students who put little time into many activities.

Activities Eligibility

The following activities eligibility guidelines become effective at the beginning of each school year and fall activities season in accordance with the dates established by the Wyoming High School Activities Association and Natrona County School District.

HIGH SCHOOL Students -The activities eligibility regulations of Natrona County School District (NCSD) and activities eligibility rules of the Wyoming High School Activities Association (WHSAA) shall govern a student's activities eligibility requirements while participating in co-curricular and extra-curricular activities aligned with or sanctioned by the Wyoming High School Activities Association.

A. A high school student must be passing all classes plus meet all Wyoming High School Activities Association (WHSAA) eligibility requirements in order to maintain academic eligibility, regardless of the number of subjects taken.

B. Grades for high school students participating in co-curricular & extra-curricular sports & activities will be checked weekly on Wednesday after the first full week of each semester.

- Good Academic Standing is a high school student with no failing grades on the weekly Wednesday activities eligibility grade check report.
- Academic Warning is a high school student with one week of failing grades on the weekly Wednesday activities eligibility grade check report and may practice, participate in competitions and travel.
- Academic ineligibility is a high school student with two or more consecutive weeks of failing grades on the weekly Wednesday activities eligibility grade check report may practice but not participate in competitions or travel.

C. A mandatory intervention is required for students entering their third consecutive week of academic activities ineligibility. The coach or sponsor will initiate the intervention process with a recommendation of school staff and resources necessary to help the student regain academic eligibility.

D. A high school student may use summer school classes to meet the minimum requirements of the eligibility policy of the Natrona County School District and the Wyoming High School Activities Association (WHSAA).

E. A high school student must meet or exceed Natrona County School District and the Wyoming High School Activities Association activities eligibility requirements at semester in order to be eligible to participate in an activities competition in the next semester.

F. A high school student may practice while ineligible with permission of the sponsor or coach, but may not appear publicly in competition or travel under school auspices to such competition.

G. Special education students will be expected to meet the same activity eligibility requirements as regular education students since each student, through child study committee action, is placed into an individualized educational program that is designed for academic success.

H. Poor conduct, poor attendance or inappropriate behavior, as determined by the school administrator, shall be grounds for ineligibility. This statement pertains to general conduct, not just the particular activity in which the student is involved.

I. Transfer students from out-of-district must meet WHSAA and Natrona County School District eligibility standards.
J. Extenuating circumstances may be appealed to the head principal.
K. A student enrolled in non-traditional courses e.g. BOCES classes, Work Study… must contact the activities director/assistant principal and school counselor when a non-traditional course is dropped. Dropping a course may impact activities eligibility.

L. It is up to each school's head principal to add to the minimum standards as long as they are clearly defined by the head principal and the students are given those standards in writing. The new eligibility standards must be consistently monitored and applied to the students participating in all NCSD and WHSAA co-curricular and extra-curricular activities and sports offered at the school.
M. Attendance in School is Mandatory for Activity Participation: Repeated unexcused absences (two or more) and/or excused absences from school can result in disciplinary action. Such action may include suspension from contests or dismissal from the team. The principal or designee will make the final determination on all absences.
N. Attendance Prior to Activity/Athletic Events: Students must be in school the entire day prior to participating in or traveling for an activity or athletic event. Students must remain in class until the scheduled dismissal time. Coaches are responsible for checking attendance prior to home or away events. The last scheduled school day will be considered when involving weekend or non-school day participation. The principal or designee will make the final determination on all absences.
O. If a student wishes to use BOCES/ACE grades in determining eligibility or honor roll achievement, it is the student's responsibility to submit their grade card to the counseling office at the end of each quarter.
P. Students who volunteer to participate on any athletic team, co-curricular club, or activity will not use, possess, transfer, or disburse any tobacco products, alcoholic beverages, or controlled substances (drugs). Students will not confiscate (steal), destroy or vandalize private or public property. This will include, but not be limited to, theft, shoplifting, breaking and entering, and vandalism. A student will become ineligible if the student is under suspension from school by a principal or superintendent for any reason. The Code of Conduct policy is available in the Activities Office or go to ncsdathletics.com and click on Forms.

Wyoming High School Activities Association Eligibility Requirements (partial list):

A. In order to be eligible for any level of interscholastic competition, a student must be currently enrolled and must have been enrolled in school the immediate preceding semester and received passing grades during that semester in subjects that earn a minimum of 2.5 credits or equivalent and 5.0 credits per year toward graduation. (WHSAA Rule 6.2.1)
B. A student must be passing in five solid subjects (three solid subjects in an accelerated block schedule) at the time of contest. A passing grade is considered to be the passing grade of the individual school. As defined, a solid subject meets five days a week or its equivalent for the entire semester and for which one-half Carnegie units are granted. (WHSAA Rule 6.2.2)

C. A student shall be permitted to make up work after the close of the semester for the purpose of becoming eligible. Deficiencies, including incompletes, conditions and failures for the previous semester may be made up during a subsequent semester, summer session, night school, correspondence, or tutoring for qualification purposes. The makeup work must match the class where the failure occurred (ex. If an online class is taken, Algebra I for Algebra I, etc.). Credit needs to be approved by the student's school district. The student will not become eligible until all deficiencies from the previous semester have been made up to meet Rules 6.2.1 – 6.2.2.

D. A student ineligible because of scholastic deficiencies from the previous semester shall not be eligible until all grades have been verified by a school official on or after the last day of the current semester provided they have met requirements. (WHSAA Rule 6.2.60)

E. A student who is suspended or expelled from high school during a semester and who does not finish the semester is ineligible during all of his/her next semester since his/her record for the previous semester is incomplete (WHSAA Rule 6.2.7)

F. High school students taking college classes will be allowed to count the college classes toward the required five solid subjects, if the student has the approval of the school. (WHSAA Rule 6.2.8)

G. A special education student is eligible to participate upon verification by the student's high school principal that he/she is proceeding in a satisfactory manner towards the educational goals established for him/her. (WHSAA Rule 6.2.85)

H. WHSAA eligibility rules regarding Home School Students and combination school agreements please refer to the WHSAA handbook rules 6.2.90 and 6.2.91 respectively, at whsaa.org, general links, click on handbook.

I. All students participating in Natrona County School District (NCSD) and Wyoming High School Activities Association (WHSAA) activities must be covered by some form of health/accident insurance. While the school district does not provide health/accident insurance, coverage may be purchased through Student Assurance Services, Inc. Applications are available in the Activities Office or go to ncsdathletics.com, click on Insurance

J. Participation in all WHSAA athletic activities requires a physical examination. Students may not practice or compete without a valid physical on file in the office. These forms may be obtained in the Activities Office. The physical must be taken after May 1 of the current school year.

K. Students are limited to competing for no more than four (4) fall and four (4) spring semesters for a total of eight (8) semesters. These 8 semesters shall be consecutive and begin once they start the ninth grade.

L. The student must be under twenty years of age on August 1 for fall sports, November 1 for winter sports, and March 1 for spring sports.

M. The student must participate in the required number of practices in their sport before they can compete. Check with the coach to find out the number of days required for each sport.

N. Competing under a false or assumed name will cause a student to become ineligible. Your name must be certified by your principal on a standard form to the opposing school or schools for each contest in which you are to compete.

O. Playing on an independent team while a member of your high school competing squad in the same sport is not allowed. Should you do so, you would forfeit your eligibility.

P. A coach or school representative may not directly, or by implication direct you to attend camps/clinics as a condition to practicing, participating or otherwise influencing your opportunity to participate in any school interscholastic athletic program. You may not participate in a specialized sports' camp/clinic for a period greater than two calendar weeks during any calendar year in which any of your coaches or high school faculty members are involved. You or your parent/guardian shall pay the athletic camp fee. No school funds may be used for entry fee, equipment, transportation, or uniforms. School or WHSAA catastrophic insurance will not cover students going to summer camps. A complete copy of the WHSAA rules handbook may be obtained from www.whsaa.org – General links- Handbook

OPEN ENROLLMENT/SCHOOLS OF CHOICE ATHLETIC/ACTIVITY PARTICIPATION FOR GRADES 6-12 DEFINITION OF UNDUE INFLUENCE

The use of influence, pressure and/or recruitment by any person/persons in an attempt to alter a student's enrollment selection specifically toward or away from a specific school-sponsored sport and/or a school activity and/or a school program at a targeted school.

A. The term "undue influence" shall include initiating any form of oral or written contact, pressure or efforts to recruit a student to participate or not to participate in a particular school's sponsored sport and/or activity and/or program.
B. The action solicits the student to transfer and then to participate in a targeted area listed in 'A'.

C. The term may also include giving a student priority or creating the perception that a promise has been made related to:

i. participation
ii. an assignment
iii. cash or gifts in any form
iv. any other privilege or consideration

What can NCSD schools and employees share with other schools, students and parents during the enrollment window for the next school year (December and January)?

A. May host an information session(s) and/or event(s) on their campus about the school, the offerings, athletics, activities, academics, etc.
B. May share information, advertise and/or talk to students/families about any of the school's offered athletic/activity/academicprograms as long as the efforts do not promote any aspect of a NCSD school over another NCSD school.

What can NCSD schools and employees share with other schools, students and parents once an enrollment decision has been made for the next school year and the on-line enrollment process has concluded for NCSD schools?

A. May host school/campus visitations to help transition and educate NCSD students/families for the transitioning grade levels.
B. May communicate any information that is deemed as necessary to the future student and/or their family once they have selected the school they will attend in the following school year. The communication window occurs only after the on-line enrollment process has concluded.
C. Any information to be shared at the current middle level school will be generated by the future high school's activities director and approved by the current middle level school's principal or designee before being distributed to students.
D. Students who have registered for their next sequence of schooling (8th to 9th or 5th to 6th grade) are allowed to participate in practice with a spring sport or activity or academic program at the discretion of the future school's principal/designee once the online enrollment process has concluded for NCSD schools and the students have received official notification from the District's enrollment division regarding their enrollment decision.

Other areas of clarity around undue influence:
The following is appropriate as long as there is no form of influencing and/or promoting a particular school's program over another NCSD school's program (this would include comparing or contrasting any of the NCSD schools):
a) May wear any form of NCSD school attire (hat, shirt, coat, etc.)
b) Display a NCSD school's flag, pennant, poster, flyer, etc.
c) May actively engage in forms of chaperoning, assisting, monitoring, supervising and/or active participation with students.
d) A school may post graphics, photos, electronic information, celebrations and/or accomplishments on their individual website or share electronically with individuals who are enrolled and/or employed at the designated school.
e) During the school year, registration and enrollment information may be shared with students/families that are new members to the community and are seeking information about the enrollment processes to inform their decision.
f) Participation in drama productions or plays allows students the opportunity to support (play) any specific role(s) at any school, K-12, as long as there is no form of influencing and/or promoting a particular school's program over another NCSD school's program. This will include comparing or contrasting any of the NCSD schools.
g) Participation in NCSD sponsored cheer and/or dance clinics and/or camps are open to all students, K-12, as long as there is no form of influencing and/or promoting a particular school's program over another NCSD school's program. This will include comparing or contrasting any of the NCSD schools.
h) Activities which do not have an official season such as cheer and dance, may schedule tryouts after online enrollment has been completed for incoming and current high school students.
i) Activities Directors will set the tryout date/window for all activities without an official season. The date will be mutually agreed upon by all NCSD high schools involved and allows incoming and current high school students an opportunity to learn the information being evaluated during the tryouts. Students not enrolled in a high school prior to tryouts for an activity will be able to

contact the building Activities Director or coach to set up a tryout time after they have enrolled in the school.

It is impossible to list every potential situation that may lead to allegations of undue influence. The aforementioned guidelines are just that, guidelines to reduce the undue influence allegations. If you have questions about something not previously covered, please speak to the District Athletic/Activities Director, the high school Activities Director/principal or middle level Athletic/Activities Facilitator for clarification.

Electronic communication systems/tools/social media must also follow all of the guidelines presented in this section of the handbook regulating undue influence of students in NCSD. 21 Administrative Regulation Code

What you should know about Wyoming High School Activities Association Rules Governing UNDUE INFLUENCE in grades 9-12:

Rule 4.1.0 UNDUE INFLUENCE

Rule 4.1.1 The use of undue influence, by any person or persons to secure or to retain one or both parents or guardians of a pupil as residents, may cause the pupil to be ineligible for high school participation in activities for a period subject to the determination of the Commissioner. The school shall also be subject to disciplinary action.

Rule 4.1.2 The use of undue influence, by any person or persons in an attempt to have a participant move to their school for interscholastic competition may cause the pupil to be ineligible in high school activities for a period of time to be determined by the Commissioner. The school shall also be subject to disciplinary action.

The spirit and intent of the rule, for any person, is to not influence a change in the attendance pattern of a student by anything you say or anything you do.

Once a student participates in athletics at the high school level any moves thereafter are governed by the Wyoming High School Activities Association Transfer rule (6.4.0)

The purpose of the Transfer Rule (Rule 6.4.0 thru Rule 6.4.93) is to protect, not inhibit students who participate in athletic competitions. The Transfer Rule is preventative in nature and is devised to eliminate the incentive to transfer schools when a motivation is for athletic purpose and after a student has initially chosen the school of his/her choice. The Transfer Rule protects students who have previously participated in athletic competition at a member school from being replaced by students who transfer for athletic purpose and further protects students at other member schools from the effects of “school shopping” by students (Rule 4.1.2) and “recruiting” by member schools and their agents (Rule 4.1.1 and Rule 4.1.2). The Transfer Rule encourages fair play, and discourages the excesses and abuses of over enthusiastic promotion and protects the integrity of interscholastic athletic programs for the member schools and their students.

Planning to Participate in Sports in College?

Students are responsible to communicate with their coach and counselor.

NCAA Athletic Eligibility - www.eligibilitycenter.org
All students planning to enroll in college as a freshman and wanting to participate in Division I or Division II athletics must be certified by the NCAA Eligibility Center (formerly called the NCAA Clearinghouse).

The Eligibility Center was established to ensure consistent application of NCAA initial-eligibility requirements for all prospective student athletes at all member institutions. It is the responsibility of the prospective student athlete to make sure the Eligibility Center has the documents it needs to certify his/her eligibility. Requirements for 2018 graduates are outlined at www.2point3.org.

NAIA Athletic Eligibility - www.playnaia.org
The NAIA Eligibility Center is responsible for determining the NAIA eligibility of first-time student athletes. Any student playing NAIA sports for the first time must meet the eligibility requirements.
Students must have their eligibility determined by the NAIA Eligibility Center, and all NAIA schools are bound by the center's decisions. High school seniors who wish to participate at an NAIA school need to register at www.playnaia.org.

NJCAA - www.njcaa.org
The purpose of this corporation shall be to promote and foster junior college athletics on intersectional and national levels so that results will be consistent with the total educational program of its members.

Additional NCAA Resource:
Initial Eligibility Flyer

NCAA Contacts:
Kelly Walsh High School NCAA Contact: Mike Britt, Principal and Marial Choma, Counselor
Natrona County High School NCAA Contact: Spencer Cantrell, Athletics Director and Marvin Birzer, Counselor

District Contact: Aaron Wilson, Director of Teaching and Learning, email: aaron_wilson@natronaschools.org

Foreign Exchange

There are limitations and requirements related to foreign exchange students attending NCSD secondary/high schools (grades nine through twelve). Eligibility requirements must be met prior to enrollment.

Eligibility
Eligible students must utilize a Foreign Exchange Student Program in order to be considered for enrollment. Students must be between the ages of 16-18 by Sept 1st of the school year in which he/she plans to attend NCSD #1. The eligibility process also includes evidence of good health and a current immunization record.

Academic Records
A transcript is required that shows the student is prepared, academically. This document must include evidence showing proficiency in the ability to communicate (written and spoken) using the English language.

Students will only be registered for a full academic year (Fall to Spring), placed in the most appropriate grade level that most closely matches the grade in which the student would have been placed in his/her country of origin. High school diplomas are not granted to students participating in the exchange system.

KWHS Advanced Placement (AP®) Program

39 KWHS students earned AP Scholar Awards in 2018 in recognition of their exceptional achievement on AP Exams. KWHS gave 263 AP Exams in 2017.

The percentage of KWHS students scoring a 3 or better on exams is higher than both the state average and the global average!

Why AP?
College bound students should consider taking one or more AP courses. ***Research shows students completing one or more AP courses regardless of their GPA; do better in college than those never taking AP courses. (www.collegeboard.com)***

- AP enables students to pursue college-level studies while still in high school
- AP students are much more likely to graduate college within 4 years
- Possible to offset some college costs by earning credit through AP & completing a degree in 4 years
- Current & former KWHS AP students highly recommend AP
- Former KWHS AP students report being better prepared than their classmates at college
- Two or more Advanced Placement Courses in high school = 82% graduation rate from college
- There is NO fee to take an AP Exam at KWHS, NCSD #1 pays the $94 exam fee

Advanced Placement Exams
Certain advanced courses in the high school program are designated Advanced Placement. The Educational Testing Service scores the Advanced Placement examinations given each May, on a standardized national test day. Each examination receives an overall score on a five-point scale:

5 points = extremely well qualified
4 points = well qualified
3 points = qualified
2 points = possibly qualified
1 point = no recommendation

Each college decides which AP Examination scores it will accept. Some colleges accept scores of 3 or better and give the student credit as if that person had taken one or more basic courses in the subject tested. In some cases college credit is not given, but the necessity of taking basic courses is waived.
Students can check individual colleges' AP credit policy at http:www.collegeboard.com/apcreditpolicy/index/jsp.

AP Courses Offered at KWHS

AP Course	Faculty	Grade	Prerequisite
AP Calculus AB (Calculus 1)	James Spaulding	10, 11, 12	Pre-Calculus Honors
AP Calculus BC (Calculus 2)	James Spaulding	10, 11, 12	Calculus AB
AP Statistics	Becky Byer	10, 11, 12	Teacher Recommendation
AP Computer Science A (JAVA)	Becky Byer	11, 12	Teacher Recommendation
AP Computer Science Principles	Becky Byer	10, 11, 12	Teacher Recommendation
AP Chemistry (Chemistry 3)	Alicyn Roberson	11, 12	Chemistry 1 A or Chemistry 2A
AP Biology	Trish Williams	11, 12	Biology 1 Advanced
AP Physics C	Chad Sharpe	11, 12	Calculus Based
AP European History	Sally O'Brien	11, 12	Teacher Recommendation
AP United States History	Ben Schanck	10, 11, 12	Teacher Recommendation
AP U.S. Government & Politics	Paula Volker	11, 12	Teacher Recommendation
AP Psychology	Devon Strube	11, 12	Teacher Recommendation
AP English Literature & Composition	Brandie Reed	11, 12	Teacher Recommendation
AP English Language & Composition	Jamie Tipps	12	Teacher Recommendation
AP Music Theory	Katrina Rooney	9, 10, 11, 12	Teacher Recommendation

FAQ: What if I do not score a 3,4, or 5 on my AP Exam? Will this hurt my KWHS class grade or prevent me from receiving KWHS credit?
Answer: NO! While students are encouraged to perform their best on AP Exams, earning less than a 3 will NOT affect your KWHS class grade or credit.

FAQ: Can a course be both AP & BOCES?
Answer: English Language, Computer Science A and Statistics are also dual credit BOCES classes.

For more information go to www.collegeboard.com

Or contact the KWHS teacher or KWHS AP Coordinator- Marial_Choma@natronaschools.org, 307-253-2190

What is the IB Diploma Programme?

The International Baccalaureate (IB) Diploma Program at Natrona County High School offers a comprehensive, rigorous two-year course of study for highly motivated students in grades 11 and 12, culminating in a diploma (providing requirements are met) that is recognized and respected by universities worldwide. IB students are provided a balanced education that promotes international understanding and appreciation. The IB Program emphasizes the development of the whole student physically, intellectually, emotionally, and ethically. Through their participation, IB Diploma Candidates acquire the skills and discipline required to be successful both in college, and in the highly competitive world beyond.

The Curriculum

Students interested in the IB Programme should communicate with their counselor at NCHS prior to the start of the student's freshman year. The IB Diploma Programme requires 7 courses per year to earn the diploma. Courses will be taken in 6 areas: Language, World Language, History, Science, Math, and the Arts. Students will also take Theory of Knowledge and be required to complete CAS (creativity, activity, and service) experiences and an Extended Essay. The IB Diploma is recommended for high achieving students who score in the 80th percentile or above on standardized tests.

Assessment

Students take written examinations at the end of the programme, which are marked by external IB examiners. Students also complete assessment tasks in the school, which are either initially marked by teachers and then moderated by external moderators or sent directly to external examiners. The marks awarded for each course range from 1 (lowest) to 7 (highest). Students can also be awarded up to three additional points for their combined results on theory of knowledge and the extended essay. The diploma is awarded to students who gain at least 24 points, subject to certain minimum levels of performance across the whole programme and to satisfactory completion of the Extended Essay and of CAS experiences. Assessment is criterion based, which means student performance is measured against pre-specified assessment criteria based on the aims and objectives of each subject curriculum, rather than the performance of other students taking the same examinations. Statistically the range of scores that students have attained has remained stable, and universities value the rigour and consistency of Diploma Programme assessment practice.

Partial International Baccalaureate

If the full diploma combination does not meet a student's needs or circumstances, they may choose to complete and test in any number of individual IB subject area courses.

IB Plan

9th Grade	English I Advanced	**10th Grade**	English II Honors
	Physical Science Advanced		Scientific Research & Design
	US History Advanced		Modern US History Honors
	(Math)		(Math)
	Spanish or French		Spanish or French or Russian
	Freshman Physical Education		

11th Grade	IB Language A I (English)	**12th Grade**	IB Language A II (English)
	IB History I		IB History II
	IB Biology or IB Chemistry or IB ES&S		IB Biology II or IB Chemistry II or science elective
	Pre Calculus or IB Math or IB Math Studies		IB Math or IB Math Studies or Calculus
	IB Language B (Foreign Language)		IB Language B (Foreign Language)
	Theory of Knowledge		Theory of Knowledge
	(6th Area)		(6th Area)

Students taking Algebra I in 9th grade will need to either take both Geometry and Algebra II during 10th grade, or complete one of those courses through BYU Independent Study or some other approved online school. See Marvin Birzer, IB Coordinator, about this option.

Graduation requirements also include a second full credit of Physical Education and a full credit of Financial Literacy. Because pursuing the full IB Diploma leaves little room for electives, students who are anticipating pursuing the IB Diploma are allowed to take Financial Literacy during their sophomore year.

Higher Level Exams:	Standard Level Exams:	Other Requirements:
1. IB Language A	1. IB Math or IB Math Studies	Extended Essay
2. IB History	2.	CAS
3.	3.	

Higher Level: Biology, Chemistry, Psychology, Foreign Language
Standard Level: Biology, Chemistry, Environmental Systems & Societies, Psychology, World Religion, Foreign Language, Art

Pathways Innovation Center (P.I.C.) is an extension of Natrona County's high school system. Pathways courses of study include college-preparatory curriculum, industry certifications and internships. P.I.C. offers advanced and professional coursework typically in the 11th and 12th grades which builds on introductory experiences. Experiences are aligned to student interests.

At P.I.C. students and teachers work together to meet Wyoming State Standards and Hathaway requirements. Students attain real world applications focusing on industry standards and college or career readiness. Sequences of courses are offered, starting with entry level courses typically at home schools, grades 9 and 10. Advanced level courses are typically offered for only 11th and 12th graders at PIC, resulting in industry certifications and or portfolio development. Students will spend half of the day at their home high school, NC or KW, and the second half of the day will be at the NC extended campus or KW extended campus at the Pathways Innovation Center. Natrona County School District is excited about providing 21st century learning opportunities for all students.

Courses labeled "*KW West*" or "*NC West*" in the courses section of this catalog are offered at the Pathways Innovation Center location. Courses marked "*KW West or NC West*" are also opportunities, as available, for Roosevelt and Midwest High School students.

PATHWAYS INNOVATION CENTER

Available Core Course Pairings:

- **Language Arts:** ELA III, IV,
- **Science:** Anatomy & Physiology, Astronomy, Medical Terminology
- **Financial Lit.**
- **World History**
- **Driver's Education**
- **Physical Education**

Pathways are designed to feed into upper level courses that offer individual certification or professional portfolio development opportunities.

PIC Pathways Courses	***CERTIFICATIONS, Portfolio***
Veterinary Science I, II, Veterinary Sci. III, IV Agriculture III, IV	Vet. Medical Applications Floral Design, Commercial Pesticides, and Plant Science Certifications
Woodworking Construction I, II	OSHA 10 hr, 30 hr Heavy Equipment Certification
Film/TV III Commercial Photography Sculpture I, II, III, IV	College or Job portfolio
Culinary Arts III, IV Early Childhood Education	ServSafe, ProStart Certifications Early Childhood Certification
Health Care Occupations Medical Terminology Nursing I, II Pharmacy Tech.	 CNA Certification Pharm. Tech. Certification
Computer Science Principles Computer Integrated Manufacturing Cyber Security 1 and 2 Robotics Engineering	
Welding III, IV Metal Fabrication	AWS SENSE Certifications
Auto Brakes & Suspension Auto Drivetrain & Axles Auto Electricity & Electronics/ Engine Performance Diesel Mechanics	ASE Brakes ASE Drivetrain/Axles ASE Electrical ASE HVAC

Pathways Innovation Center is a 21st Century learning facility where every student will be engaged in high-end pathways, and where advanced courses can be accessed. Career development will begin at the home schools at the 9th and 10th grade level. Students from ANY district high school will be prepared to take advantage of the pathways available at PIC.

For more information: 307-253-1451

Revised 9/2020

District Assessment System

Natrona County School District's K-12 assessment system measures student's progress towards the Wyoming Content and Performance Standards. The District Assessment System is a statutory requirement in the state of Wyoming. The Natrona County School District system consists of four levels 1) Classroom Level, 2) School Level, 3) District Level, and 4) State Level. These four levels work in conjunction to support learning and teaching in our schools. The purpose of the K-12 District Assessment System (DAS) is to ensure equity of opportunity for students by demonstrating alignment of district assessments in content and cognitive complexity to the Wyoming Content and Performance Standards in all content areas.

The district level interim assessments were developed by NCSD Subject Area Committee members using a systematic process and are aligned to the Guaranteed and Viable Curriculum.

For the 2019-20 school year, district assessments will be administered in the following content areas:

Math

H.S. Alg 1, Alg 2, Geometry: 2 assessments (midterm and final)

English Language Arts

9-12: Proficiency Scales and Assessments (1 per grade)

Health

9-12: Proficiency Scales and Assessments (1 per grade band)

Fine and Performing Arts

9-12: Proficiency Scales and Assessments (1-3 per grade band)

Physical Education

9-12: Proficiency Scales and Assessments (1 per grade band)

Social Studies

9-12: Proficiency Scales and Assessments (1 per course)

Foreign Language

9-12: Proficiency Scales and Assessments (1-3 per course in level 1 & 2)

Career Vocational Education

9-12: Proficiency Scales and Assessments (1-2 per course)

Science

*Subject Area Committee will draft assessments 2019-20 school year

Computer Science

*To be determined based on the calendar and process set at the state level

COURSES

Registration Process

Course Offerings
The courses listed in this guide will be offered subject to enrollment minimums. Insufficient registration numbers may result in course cancellations and the need for students to make alternate course selections.

Registration Materials
The counselors will provide an explanation of the registration process, at which time registration materials will be distributed. Students will have a scheduled day on which to complete the registration process.

Transfer Student Registration
Students transferring from another school may enter their new school for credit in classes that we can match as long as the time since withdrawing from the previous school does not exceed 12 school days. Exceptions for extenuating circumstances may be granted by an administrator.

Schedule Adjustments

Class schedules are developed with information from student requests made during spring registration. Choose your courses wisely as you may not be able to make adjustments to your schedule. Changes will require a valid reason, parent signature
and counselor approval.

Administrative Adjustment

The principal may remove students from courses for disciplinary reasons. Students requesting changes that involve unusual or special consideration must have these changes approved by a principal.

High Schools

Kelly Walsh High School
3500 E. 12th
82609

Natrona County High School
930 S. Elm
82601

Midwest High School
256 Lewis,
Midwest 82643

Roosevelt High School
3000 Independence Ct. 82604

Programs

Pathways Innovation Center
3000 Independence Ct. 82604

FEES

The fees charged for some courses are suggested to help pay for consumable materials used in the course. However, students should not be deterred from registering for these courses if this fee is a hardship for their family. Please contact the school Principal for information on assistance with fees.

HA - 5.0 weighted scale for Hathaway
AD - 4.5 weighted scale for NCSD
HN - 5.0 weighted scale for NCSD

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Course Guide Key

SCED Numbers
The number is unique for each course
"G" indicates a "Regular" course
"E" indicates an "Advanced" course
"H" indicates an "Honors" course
"B" indicates a "Special Education" course

Locations
- Kelly Walsh High School
- Midwest High School
- Natrona County High School
- Roosevelt High School
- Kelly Walsh West (at Pathways location)
- Natrona County West (at Pathways location)

Opportunities
- Dual/Concurrent Enrollment course available through Casper College
- Course meets Hathaway Success Curriculum
- Certification can be achieved through course (only available through courses at PIC)
- National Collegiate Athletic Assocation

CAREER AND TECHNICAL EDUCATION

COURSE	SCED#	GRADE LEVEL	CREDIT	PREREQUISITE	COURSE DESCRIPTION	LOCATION	OPPORTUNITIES
BUSINESS							
Foundations of Business	12001G	9-12	1		Students will explore the wide variety of occupational pathways to assist them in making informed career decisions. The course will also focus on types of businesses and business organizations, computer literacy skills, and both writing and speaking skills. Students will have the opportunity to run the school store.	KW NC	HATHAWAY
Introductory Business (May not be offered every year)	12051G	9-12	1		Introductory Business surveys an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system and corporate organization. Introductory Business courses may also expose students to the varied opportunities in secretarial, accounting, management, and related fields.	RHS	HATHAWAY
Accounting A (This course is not offered every year)	12104E	11-12	1	Sophomore level math class	Accounting courses introduce and expand upon the fundamental accounting principles and procedures used in businesses. Course content includes the full accounting cycle which is useful background knowledge for a successful transition to college business courses.	KW	HATHAWAY **AD**
Marketing Comprehensive	12152G	9-12	1	NCHS - Foundations of Business	Marketing—Comprehensive courses focus on the wide range of factors that influence the flow of goods and services from the producer to the consumer. Topics may include (but are not limited to) market research, the purchasing process, distribution systems, warehouse and inventory control, salesmanship, sales promotions, shoplifting and theft control, business management, and entrepreneurship. Human relations, computers, and economics are often covered as well.	KW NC	HATHAWAY
Business Law This is a semester course, intensive	04164	11-12	1	Marketing and/or Hospitality and Tourism	Business Law is a survey of the American legal system designed to develop an understanding of the fundamentals of business law. Classes are conducted by using text and actual case studies for the purpose of observing the development and application of legal principles in a business activity. Topics covered include the	NC	HATHAWAY

					nature of law, courts and court procedures, crimes and torts, contracts, sales, and negotiable instruments. This course provides the student with a working knowledge of the legal framework within which formal business organizations must operate. Students will learn about morals and ethics and how they are applied to our legal system. Students will identify different kinds of laws and crimes. About the relationship between ethics and the law, and the structure of the court system in the United States. Ethics are the rules we use to distinguish right from wrong and guide our behavior.They will learn the basic elements found in an offer and acceptance. Given a case study the students will analyze the case to determine if an acceptance occurred and explain why the contract is legal or not. General agreements will be examined and how they apply to real life.		
Sports & Entertainment Marketing (This course is not offered every year)	12163G	10-12	1		Sports and Entertainment Marketing courses introduce students to and help them refine marketing and management functions and tasks that can be applied in amateur or professional sports or sporting events, entertainment or entertainment events, and the sales or rental of supplies and equipment.	KW	HATHAWAY
Introduction to Hospitality and Tourism	16151G	10-12	1	Foundations of Business	Students use knowledge and skills that meet industry standards to function effectively in various positions within this multifaceted industry. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations. Students are introduced to career opportunities and employability skills needed to succeed in specific hospitality fields. Students learn about key hospitality issues, the development and management of tourist locations, event planning, marketing, and environmental issues related to leisure and travel. The course also examines some current and future trends in the field.	NC	HATHAWAY

Work Experience	22998G	9-12	1		Students already employed or who expect to be employed during the semester can sign up for the Work Experience Program and earn elective credit. Credit is awarded based on hours worked. Students must work 60 hours to earn .5 credit and 120 hours to earn 1 full credit. Students are also required to be enrolled in the Seminar on Work class and maintain a passing grade. The Work Experience Program provides a realistic perspective of appropriate work habits and attitudes, helps determine suitability for occupations, and enables students to have a clearer and more specific idea about careers. This is a repeatable course.	NC KW MW RHS	
Career Exploration	22151G	9-12	1		Career Exploration courses help students identify and evaluate personal goals, priorities, aptitudes, and interests with the goal of helping them make informed decisions about their careers. These courses expose students to various sources of information on career and training options and may also assist them in developing job search and employability skills.	MW RHS KW	HATHAWAY

FAMILY AND CONSUMER SCIENCE							
Career Exploration in Public & Professional Services	15001G	9-12	1		Students will explore the wide variety of occupational pathways to assist them in making informed career decisions. The course will also focus on technology-based research tools, computer literacy skills, and both writing and speaking skills.	NC	HATHAWAY
Health & Life Management	08057G	9-12	0.5		Health and Life Management courses focus on consumer education topics, banking services, household budgeting, and apartment living and roommate selection. Personal health topics include nutrition, stress management, drug and alcohol abuse, and disease prevention. Course objectives include helping students develop decision-making, communication, interpersonal, and coping skills and strategies.	NC	HATHAWAY **Counts as a CVE Course**
Family Living	19259G	9-12	1 0.5 @NC		The introspective course is a study of how relationships between individuals and relationships in the family significantly affect one's quality of life. Learners are exposed to strategies that promote physical, emotional, intellectual, and social development. Units of study include self concept, the changing American family, family relationships, dating, avoiding	NC	HATHAWAY

					harmful relationships, conflict resolution, mate selection, and marriage.		
Child Development/ Parenting	19052G	9-12	1		This course is intended to provide students with detailed knowledge of how children grow and develop, how to care for them, and to give students practical experience in observing and working with preschool children, and planning activities for them. Course content includes pregnancy and birth processes; responsibilities and difficulties of parenthood; healthy family structure; fundamentals of children's physical, emotional and social development.		
Early Childhood Education I		9-12 @NC 10-12 @KW	1	Child Development	This course prepares students for occupations in child related careers and roles. Instruction is given in child growth and development; child care programs, management, and policies; health and safety concerns; developmentally appropriate learning activities; and writing, preparing, and teaching workable lesson plans in the high school's on-site child care training center.		
Early Childhood Education II					This course is designed to give students the opportunity to complete the required experience hours and portfolio for the CDA certification in Early Childhood Education. This course will partner with our certified preschools to get the highschool students their 480 hours experience and review their 10 core concept areas to pass their certification test at the end of the course for certification.		
Culinary Arts 1: Food and Nutrition	19252G	9-12	0.5 @ NC 1		Students in Food and Nutrition will demonstrate food's role in society, plan and prepare meals, and apply proper use of equipment and utensils using proper safety and sanitation techniques. Students will compare and contrast the nutritional needs and requirements for healthy living. Students will explore career opportunities in the food industry.		
Culinary Arts 2 Culinary Arts Specialty	16056G	10-12	1	Food and Nutrition	Culinary Art Specialty courses provide instruction in a particular type of cooking or culinary style. Examples of such specialty fields include baking, creating and decorating cakes, global cuisine, and so on. These courses emphasize skills specific to the type of culinary art being studied and will also explore principles of food science and the history and culture of food.		

Culinary Arts 2: Hospitality Management & Food Service	16053G	10-12	1	Food and Nutrition	Food Service courses provide foundational instruction and hands-on experience in the preparation and service of food to groups and for retail sale. Among the topics covered are large-scale meal preparation, preserving nutrients throughout the food preparation process, use and care of commercial cooking equipment, food storage, advances in food technology, sanitation, management, and the careers available in the foodservice industry. Students in this class will operate all aspects of a professional catering business.		
Culinary Arts 3	PTH16 052G.1 PTH16 052G.2	11-12	1	Food and Nutrition	Students will complete the National Restaurant Association ProStart I Program, the first year of a two-year industry-driven, school - to- career program that introduces high school students to careers in culinary arts, hospitality and management, and nutrition/dietetics. The course teaches entry level skills and knowledge needed for success in the industry. The comprehensive curriculum and food preparation experiences are the foundation of the program. Topics covered include customer relations, food preparation, accounting, cost control, sanitation and workplace safety. Students will build business and management skills that are transferable to other industries and may earn the ServSafe certification in food handling.		
Culinary Arts 4: Culinary Practicum	PTH16 052G.3 PTH16 052G.4	11-12	1	Culinary Arts 3	Students in this class will be completing the 2 nd year of the National Restaurant Association ProStart Program, a two year industry-driven, school- to- career program that introduces high school students to careers in culinary arts, hospitality and management, and nutrition/dietetics. The course teaches advanced level skills and knowledge needed for success in the industry. Students may earn ServSafe certification as Food Safety Manager and ProStart Certificates of Achievement.		
Clothing and Textiles	19201G	9-12	1		This course introduces students to various aspects of apparel and home furnishings construction, and the textile industry, conveys the application of design principles, production processes, and maintenance techniques. This course addresses the selection, characteristics, care, and repair of various textiles; operation and care of sewing machines; design, construction, and career opportunities in the garment or textile industry.		

Apparel Construction	19203G	10-12	1	Clothing & Textiles	This course provides students with the knowledge and skill to construct, alter, and repair clothing and textile products. Course topics include taking measurements, creating and preparing patterns, and various sewing techniques; topics may also include customer service, fashion design principles, costume design, and business management.	NC	HATHAWAY
Apparel & Textiles Services	19204G	10-12	1	Apparel Construction, or Home Furnishing I	This course expands upon various services that concern the care and maintenance of apparel, textiles, and home accessories. Course topics may include upholstery, dry cleaning, commercial sewing, production of fabrics and/or garments, theatrical costume design, and tailoring.	NC	HATHAWAY
Home Furnishings I	19205G	9-12	1		This course allows students to explore basic knowledge regarding furnishing and decorating home environments. While exploring design principles, personal needs and style, and the decision-making process, students will work with color, texture, furniture styles and arrangement, lighting, window treatments, floor and wall coverings, and home improvement/modification. This course also covers architectural style and design, and takes a larger look at housing problems and current housing financial issues.	KW NC	HATHAWAY

HEALTH OCCUPATIONS							
Nursing I	PTH14 051G.1 PTH14 051G.2	11-12	1	Students must have passed Biology and Algebra I	Nursing courses place a special emphasis on the particular knowledge and skills required of nurses and/or nursing assistants and aides while covering general health care topics.	KW WEST NC WEST RHS	HATHAWAY
Nursing II	PTH14 051G2	11-12	1	Nursing I, Biology and Algebra I	Nursing courses place a special emphasis on the particular knowledge and skills required of nurses and/or nursing assistants and aides while covering general health care topics.	KW WEST NC WEST	HATHAWAY CERT

Medical Terminology	PTH14 154	11-12	1	Biology or Biomedical Science @ NC	Medical Terminology emphasizes knowledge and skills health care providers need to speak and understand the language of medicine. Students acquire word-building skills by learning prefixes, suffixes, roots, and abbreviations. By relating terminology to body systems and anatomical and physiological processes, students identify proper use of words in a medical environment. This course is designed to support students in Nursing I and II courses as well as enhance a student's ability to secure employment or pursue advanced education in any health care career.	NC WEST RHS KW WEST	WYOMING HATHAWAY SCHOLARSHIP PROGRAM
Health Care Occupations	03063G	11-12 @KW/NC - PIC 10-12 @NCHS	1	Biology I Biology or Biomedical Science @ NC	Health Care Occupations prepares students with essential knowledge and entry level skills for health care occupations. Students explore the roles and responsibilities, education requirements, and employment opportunities of a variety of health care careers. Topics of study include confidentiality and regulations, medical ethics, infection control, first aid, medical terminology, medical math, and basic anatomy and physiology concepts.	NC NC WEST KW WEST	WYOMING HATHAWAY SCHOLARSHIP PROGRAM AD
Pharmacy I This is a semester intensive course	14152	11-12	1		Pharmacy I includes the study of medications, Federal and State requirements, patient safety and quality assurance, prescription order processing, inventory and administrative management, health and wellness, and billing and reimbursement. Areas of study include relevant medical terminology and medical math calculations. This course is designed to prepare students for careers in Pharmacy or to pursue advanced education in any medical field.	NC WEST	WYOMING HATHAWAY SCHOLARSHIP PROGRAM
Pharmacy II This is a semester intensive course	14152	11-12	1	Pharmacy I	Pharmacy II includes the study of medications, Federal and State requirements, patient safety and quality assurance, prescription order processing, inventory and administrative management, health and wellness, and billing and reimbursement. Areas of study include relevant medical terminology and medical math calculations. This course is designed to prepare students for careers in Pharmacy or to pursue advanced education in any medical field.	NC WEST	WYOMING HATHAWAY SCHOLARSHIP PROGRAM

AGRICULTURE							
Agriculture/ Comprehensive	18002G	9-12	1		Agriculture—Comprehensive courses cover a wide range of agricultural topics, including plant and animal science, production, and processing; agricultural mechanics, including tool and machine operation and repair; construction and repair of farm structures; business operations and management; and the careers available in the agricultural industry. They may also include topics such as chemical and soil science, ecology, agricultural marketing, and veterinary science.	KW NC	HATHAWAY
Ag & Natural Resources Comp	18003G	10-12 9-12 @KW	1	Ag Comprehensive	Agriculture and Natural Resources—Comprehensive courses cover a wide range of topics concerning agriculture and natural resources, including plant and animal science, production, and processing; environmental science and conservation; ecology; agricultural mechanics; agricultural construction; business operations and management; and the careers available in the agricultural/natural resources industry. They may also include topics such as chemical and soil science, forestry, agricultural marketing, and veterinary science.	KW NC	HATHAWAY
Animal Production/ Science	18101G	10-12 @KW 12 @NC	1	Ag & Natural Resources @KW Agribusiness Management @NC	Animal Production/Science courses impart information about the care and management of domestic and farm animals. These courses may cover animal nutrition, health, behavior, selection, reproduction, anatomy and physiology, facilities, product processing, and marketing. Students may study a particular species (swine, cattle, horses, fowl, sheep, and so on), or they may learn how to care for and maintain livestock as a more inclusive study.	KW WEST NC WEST	HATHAWAY
Livestock fitting and Showing		11-12	1		This course is designed to give students hands-on instruction and application to proper livestock grooming, management and showing. It is geared towards agriculture students that exhibit sheep, goats, swine and cattle. Students will receive instruction in selection, proper feeding and management, as well as clipper use, and fitting techniques. This class will help prepare students for their own livestock business or a job in this industry.	NC WEST	HATHAWAY

Agribusiness Management	18201G	11-12	1	Animal Production @KW Ag & Natural Resources @NC	Agribusiness Management courses provide students with the information and skills necessary for success in agribusiness and in operating entrepreneurial ventures in the agricultural industry. These courses may cover topics such as economic principles, budgeting, risk management, finance, business law, marketing and promotion strategies, insurance, and resource management. Other possible topics include developing a business plan, employee/employer relations, problem-solving and decision-making, commodities, and building leadership skills. These courses may also incorporate a survey of the careers within the agricultural industry.	KW NC	HATHAWAY
Veterinary Science I	PTH1810 5G1	11-12	1	1 ag class or instructor permission	Veterinary Science students will investigate the causes, diagnosis, and treatment of diseases and injuries of animals, typically emphasizing domestic companion and farm animals. Course topics include anatomy and physiology, nutrition, feeds and feeding, behavior and training, disease prevention, reproduction and genetics, ethics of animal care and animal husbandry, fitting and showing, maintaining equipment and facilities, and other areas of study as appropriate.	NC WEST KW WEST	HATHAWAY
Veterinary Science II	PTH1810 5G2	12	1	Veterinary Science I	Veterinary Science II students will build upon the introductory skills learned in Veterinary Science I. Students will investigate the care of animals through the process of case studies that focus on the causes, diagnosis, and treatment of diseases and injuries of animals. This process will take students from patient intake, through systems research and diagnosis, to the development of treatment plans and follow-up, and finally preparing patient billing and client communication. Course topics include anatomy and physiology, nutrition, disease prevention, reproduction and genetics, the ethics of animal care and animal husbandry, veterinary skills, veterinary careers and other areas of study as appropriate.	NC WEST KW WEST	HATHAWAY CERT
Veterinary Science III	18105	12	1	Vet Science II	Veterinary Science III students will build upon the introductory skills learned in Veterinary Science I & II. Students will investigate the care of animals through the process of case studies that focus on the causes, diagnosis, and treatment of diseases and injuries of animals. This process will take students from patient intake, through systems research & diagnosis, to the development of treatment plans & follow-up, and finally preparing patient billing & client communication. Course topics include anatomy and physiology, nutrition, disease prevention, reproduction and	NC WEST KW WEST	HATHAWAY

					genetics, the ethics of animal care and animal husbandry, quality assurance within the food supply, career readiness, and other areas of study as appropriate. In addition, students will become more familiar with veterinary skills (i.e. handling & restraint, assisting in giving medications, etc.) laboratory procedures and use of veterinary equipment.		
Veterinary Science IV	18105	12	1	Vet Science III	Veterinary Science IV students will further build upon the introductory skills learned in Veterinary Science I, II & III. Students will investigate the care of animals through the process of case studies that focus on the causes, diagnosis, and treatment of diseases and injuries of animals. This process will take students from patient intake, through systems research & diagnosis, to the development of treatment plans & follow-up, and finally preparing patient billing & client communication. Course topics include anatomy and physiology, nutrition, disease prevention, reproduction and genetics, the ethics of animal care and animal husbandry, quality assurance within the food supply, career readiness, and other areas of study as appropriate. In addition, students will become more familiar with veterinary skills (i.e. handling & restraint, assisting in giving medications, etc.) laboratory procedures and use of veterinary equipment. In addition, students will be creating a comprehensive health plan for an animal based entity and develop a career portfolio.	NC WEST KW WEST	WYOMING HATHAWAY
Horticulture (Greenhouse Management, Landscape & Floral Design)	PTH1805 2G.1 PTH1805 2G.2	11-12	1		This course challenges students to become experts in the art and science of growing plants, shrubs, trees, flowers, fruits, and vegetables. In doing so, they cover a wide variety of topics, including principles of plant science, greenhouse and nursery operations, soils and growing media mixtures, fruit and vegetable production, turf/golf course management, interior and exterior plantscaping, irrigation systems, weed and pest control, and floral design.	NC WEST KW WEST	WYOMING HATHAWAY CERT
AUDIO/VISUAL AND COMMUNICATIONS							
Graphic Technology I	11155G	9-12	1		Graphic Technology courses help students apply artistic and computer techniques to the interpretation of technical and commercial concepts. Topics covered may include computer assisted design, concept sketching, technical drawing, color theory, imaging, studio techniques, still life modeling, and commercial art business operations.	KW MW	WYOMING HATHAWAY

Film and Television I	11056G	9-12	1		With an emphasis on narrative form, the course covers basic technical and aesthetic foundation in filmmaking. Students learn to develop craft as well as personal voice through projects that involve writing treatments and screenplays; developing storyboards; producing; lighting; directing; working with actors and crew; sound design; and editing. For the final project, each group produces a short film for entry into the Annual Statewide Film Festival.	KW NC	HATHAWAY
Film and Television II	11056G	9-12 10-12 @NC	1	F/TV I	This practical hands on course aims to help students refine their aesthetic sensibilities and sense of personal vision as directors through projects that involve screenwriting, storyboards, shooting in a variety of visual styles, producing, directing action, working with actors, and editing. They expand a sense of aesthetic possibilities by the work they do in Film/TV #1 and extend their editing sense through the work they have done.	NC KW KW WEST	HATHAWAY
Film And Television III	11056G	11-12	1	F/TV II	This project oriented course introduces filmmakers to live television production and post production techniques. Students create short films and videos that are theme based, experiment with non narrative structure, and clearly communicate the filmmaker's intent to the target audience. Students express a chosen theme through several different genres and become conversant with the principles of portable digital video acquisition and nonlinear editing. These students are also responsible for producing the Annual Statewide Film Festival.	NC WEST KW WEST	HATHAWAY
Photo Imaging	11054G	9-12	1		Photo Imaging courses provide students with the opportunity to effectively communicate ideas and information via digital, film, still and video photography. Topics covered typically include composition, layout, lighting and supplies.	KW	HATHAWAY
ENGINEERING AND DESIGN							

Commercial Graphic Design This is a semester course, intensive	11154	10-12	1		This new course will be offered at NCHS and will utilize industry recognized printing techniques and technologies to produce promotional products and awards. This course is an introductory course in the design and production of many products that will implement graphics and promotional goods. Including but not limited to: tee shirts(2 weeks), sweatshirts, mugs/bottles(2 weeks), caps(2 weeks), awards (2 week), stickers (2 weeks) and other promotional products. Each student will produce 4 products that will guide them through the preparation, design, cost analysis and completion of the products on a variety of equipment. The students will then create 1 item that is meant to be for a customer. The student will be introduced to CorelDraw(Adobe?) and will use the program to design creative logos and products to be sold at the school store or for NCHS sports teams and extra curricular programs. Students will have the opportunity to create unique awards for clubs and organizations at NCHS.	NC	HATHAWAY
Engineering Graphics I	21106G	9-12	1		Beginning level class that introduces students to board drafting techniques and CAD techniques. Students gain an understanding of board drafting, AutoCAD and Solidworks and the role CAD programs play in industrial applications. Students will learn basic engineering design techniques and how this applies to real world applications. Students will gain an understanding of multi-view drawings, pictorial drawings, dimensioning, and how to read technical drawings. Students will focus on 2D drafting techniques.	KW NC MW RHS	HATHAWAY BOCES **HA,AD**
Engineering Graphics II	21106E	10-12	1	Engineering Graphics I	This course is a continuation of Engineering Graphics 1. Students will work in AutoCad and Solidworks and will use 3D modeling techniques to complete most coursework. Students will use the engineering design process to develop ideas into solutions. Students will use CAD software and CNC machines to create student projects.	KW NC MW RHS	HATHAWAY BOCES @KW/NC **HA, AD**

Architectural Graphics	21103G1	10-12		Engineering Graphics I	Architectural Graphics is an advanced drafting course with the primary focus being on residential design and building layouts. Students will further develop general drafting skills by placing a particular emphasis on interior and exterior residential (and light commercial) design, site orientation, floor plans, electrical plans, design sketches, and presentation drawings. In addition, students will prepare scale models.	NC RHS	BOCES @NC HATHAWAY **HA**
Exploration of Electricity	17101	9-12			Students will learn fundamental concepts through hands-on lab activities in the area of DC Electronics. Students will construct several projects, which will require schematic interpretation, circuit design, layout and soldering. One unit will include Basic Residual Wiring.	NC	HATHAWAY
Electricity - Comprehensive	17102	10-12	1	@NC - Exploration of Electricity	Basic to advanced knowledge in the field of Electronics and Electricity. Theory as well as hands on projects will provide students with basic knowledge in the electrical field.	KW WEST NC WEST	HATHAWAY
Introduction to Robotics Engineering	21009G	9-12	1		This is a course dedicated to the introduction of principles and concepts of robotic design and construction. Focus is placed upon an introduction to SolidWorks software, Simple Machines, Basic Sensor operation and usage, as well as some basic level fabrication. Construction will be centered around VEX robotic kits.	KW NC MW	HATHAWAY BOCES KW & NC
Robotics Engineering I	21009G	10-12	1	Introduction to Robotics Engineering or teacher permission OR @NC only Exploration of Electricity	This course focuses upon prior concepts and will revisit and integrate progressive build challenges centering around robotics kits. Advanced level fabrication and materials studies will be included.	KW NC MW	HATHAWAY BOCES KW & NC
Launching Into Aviation	20053	9-12	1		This course will provide the foundation for advanced exploration in the areas of flying, aerospace engineering, and unmanned aircraft systems. Students will learn about engineering practices, problem-solving, and the innovations and technological developments that have made today's aviation and aerospace industries possible. It is designed to give students a clear understanding of career opportunities in aviation and aerospace and the critical issues affecting the aviation system.	NC	HATHAWAY
Introduction to Flight	20053	10-12	1		This course will build upon advanced exploration in the areas of flying, aerospace engineering, and unmanned aircraft systems.	NC	HATHAWAY

					Students will understand how aircraft are categorized, be able to identify their parts, and learn about aircraft construction techniques and materials. They will gain an in-depth understanding of the forces of flight—lift, weight, thrust, and drag—including how to make key calculations. They will then touch on aircraft design, looking at stability, aircraft controls, and maneuvering flight. Students will then go on to explore other key aircraft systems, including electrical, pitot-static, and vacuum systems. Throughout, they will learn about the flight instruments associated with each system and how to identify and troubleshoot common problems. This also covers airplane flight manuals, the pilot's operating handbook, and required aircraft documents. Finally, students will learn about the factors that affect aircraft performance and how to determine critical operating data for aircraft.		
Aviation - UAS Operations (Drones)	20053	11-12	1	One of the following courses are recommended, but not required: Robotics, Photography, Film, and Aviation Students need to be at least 16 years old to take FAA Exam	This course will cover small unmanned aircraft performance, ethics, human factors, aeronautical decision-making and judgment, safety protocols, weight and balance, maintenance, aviation weather sources and effects of weather (micro-meteorology) on small unmanned aircraft performance, small unmanned aircraft loading and performance, emergency procedures, crew resource management, and preflight inspection procedures. Students will be provided the opportunity to participate in multiple practice examinations. Students will be prepared to complete the Federal Aviation Administration's Part 107 Knowledge test in order to receive their UAS Remote Pilot License.	NC WEST	WYOMING HATHAWAY
INDUSTRIAL TECHNOLOGY							
PINTEREST Woodcraft	13053G	9-12	0.5		Pinterest Woodcraft is intended for students to utilize Pinterest and similar online resources to develop project plans they are excited to build. This course is designed for students with, or without previous experience in woodworking. The objectives of the course will be achieved through students learning to use woodworking tools, power equipment, and adhesives while building personal projects. The purpose for this class is to empower kids to take ownership in the craft and enjoyment of woodworking.	NC	WYOMING HATHAWAY
Woodworking	17006G	9-12 10-12@NC	1		Woodworking courses introduce students to the various kinds of woods used in woodworking and offer experience in using selected	NC	WYOMING HATHAWAY

					woodworking tools. Students design and construct one or more projects and may prepare a bill of materials. Correct and safe use of tools and equipment is emphasized.	MW RHS KW KW WEST	BOCES CERT **HA, AD**
Cabinetmaking I	17007G	10-12	1	Woodworking	Cabinet Making courses provide students with experience in constructing cases, cabinets, counters, and other interior woodwork. Students learn to distinguish between various types of furniture construction and their appropriate applications, and how to use various woodworking machines and power tools for cutting and shaping wood.t	KW NC	HATHAWAY BOCES CERT **HA, AD**
Construction I	PTH1700 4G.1 PTH1700 4G.2	11-12	1	Any woodworking class or teacher permission	Construction courses provide students with much of the same knowledge as general carpentry courses (knowledge of various types and grades of woods, proper and safe use of hand and power tools, and site selection and preparation), but place a special emphasis on construction methods applicable to floor, wall, roof, and/or stair framing. Course content may also include insulation installation, siding, and painting. Students will receive the OSHA 10 Hour Training Course.	KW WEST NC WEST	HATHAWAY BOCES CERT **HA, AD**
Construction II	PTH1700 2G.1 PTH1700 2G.2	11-12	1	Construction I	Construction courses provide students with basic knowledge and skills required for construction of commercial and residential structures. These courses provide experiences and information (typically including career opportunities and training requirements) regarding construction-related occupations such as safety, concrete work, framing, roofing, flooring, drywall, concrete, carpentry and so on. Students engage in activities such as reading blueprints, scheduling, estimating, permitting, Students may qualify for the OSHA 30 Hour Training Course.	KW WEST NC WEST	HATHAWAY BOCES CERT **HA,AD**
Welding Technology I	13207G	9-12	1		Welding Tech I starts the course sequence for students interested in the welding and manufacturing pathway. Students will be introduced to the OAW, GMAW, and SMAW processes, along with a variety of cutting processes. Welded joints in the flat and position are performed in the above-mentioned processes as well as visual and guided bend tests that will evaluate students' welding ability. Additional units of study include metallurgy, welding symbols, blueprint reading, thermal cutting, and instruction in	KW NC MW RHS	HATHAWAY BOCES HA

					the use of metal fabricating equipment. This course prepares students for advanced-level welding courses and the opportunity to earn competencies in the NCCER (National Center for Construction Education and Research) Level I and Level II Welding Curriculum.		
Welding Technology II FCAW, GTAW	13207G	10-12	1	Welding Tech I	Students that have previously enrolled and successfully completed Welding Tech I and are enrolled in welding II will gain experience in a series of advanced welding techniques in both Flux Cored Arc Welding and Gas Tungsten Arc Welding Welded processes. Students will practice and complete weldments in the horizontal and vertical positions. Students will complete a guided bend test that will be visually inspected and bent according to industry standards to evaluate students' welding ability. Additional units of study include metallurgy, welding symbols, blueprint reading, thermal cutting, and instruction in the use of metal fabricating equipment such as the CNC Plasma torch. Classroom instruction will include the AWS SENSE curriculum to ensure a viable and consistent curriculum. Other resources will also be introduced to meet curriculum requirements and standards. Students may be eligible to receive a SENSE completion certificate at the end of the course. The SENSE program shall NOT be confused with the AWS Certified welder certification program. Students may also have the opportunity to earn a completion certification and meet competencies in the NCCER (National Center for Construction Education and Research) Level I and Level II Welding Curriculum.		

Welding Technology II SMAW, GMAW	13207G	10-12	1	Welding Tech I	Students that have previously enrolled and successfully completed Welding Tech I and are enrolled in weldingII will gain experience in a series of advanced welding techniques in both Shielded Metal Arc Welding and Gas Metal Arc Welding Welded processes. Students will practice and complete weldments in the horizontal and vertical positions. Students will complete a guided bend test that will be visually inspected and bent according to industry standards to evaluate students' welding ability. Additional areas of study include, oxyfuel welding and cutting, destructive and non-destructive testing, blueprint reading, fabrication methods, occupational exploration. Classroom instruction will include the AWS SENSE curriculum to ensure a viable and consistent curriculum. Other resources will also be introduced to meet curriculum requirements and standards. Students may be eligible to receive a SENSE completion certificate at the end of the course. The SENSE program shall NOT be confused with the AWS Certified welder certification program. Students may also have the opportunity to earn a completion certification and meet competencies in the NCCER (National Center for ConstructionEducation and Research) Level I and Level II Welding Curriculum	KW NC MW	HATHAWAY BOCES CERT HA
Welding and Manufacturing/ Fabrication III	PTH1320 7G.3 PTH1320 7G.4	11-12	1	Welding Tech II	Students will demonstrate proficiency in a variety of advanced level manufacturing and welding processes. Students will develop an educational plan with their instructor to identify specific areas of study. This could include but not limited to work-based learning, NCCER (National Center for Construction Education and Research) Level I and II certification, internships, On the Job Training (OJT), and other advanced skills, with local business and industry partners.	NC WEST KW WEST MW	HATHAWAY CERT
Welding and Manufacturing IV	PTH1320 7G.10 PTH1320 7G.9 PTH1320 7G1.4	11-12	1	Concurrent enrollment with Advanced Welding and Manufacturing III	Students will continue to demonstrate proficiency in a variety of advanced level manufacturing and welding processes. Students will develop an educational plan with their instructor to identify specific areas of study. This could include but not limited to work-based learning, NCCER (National Center for Construction Education and Research) Level I and II certification, internships, On the Job Training (OJT), and other advanced skills, with local business and industry partners.	NC WEST KW WEST MW	HATHAWAY CERT

Computer Integrated Manufacturing	PTH21010G.1 PTH21010G.2	11-12	1	Advanced Welding and Manufacturing III	Computer Integrated Manufacturing course involves the study of automation through manufacturing. Building on computer solid modeling skills, students will use computer numerical control (CNC) equipment to produce actual models of their three-dimensional designs. Course topics may also include fundamental concepts of robotics, automated manufacturing, and design analysis.	NC WEST	HA
Engine Fundamentals	20110G	9-12	1		Course will cover 2-stroke, 4-stroke, gas and diesel engine operation. Small engines will be used to introduce students to 4-stroke engine theory. The class will progress to a complete teardown and reassembly of an automotive engine. Students will have the option to install and run their engine on an engine dyno and learn about tuning and power.	KW NC MW	
Auto I	20106G	10-12 9-12@RHS	1		Auto I will focus on basic auto maintenance and servicing. Students will be introduced to all systems of the automobile and the maintenance required. Students will also learn about basic electrical system function and service. Students will learn about their cars through many different teaching styles. We will use classroom instruction for introducing material and use training aids for most topics. Students will also have the opportunity to work on their own cars in a modern shop fully equipped with diagnostic equipment and tools.	KW NC RHS	
Auto Brakes and Suspension	PTH20103G.1 PTH20103G.2	11-12	1	Auto I or teacher permission	This course will focus on the various types of brake. It will consist of rigorous instruction and student involvement in many various forms. Students will work with cutting edge training aides and will perform actual work in the lab. Students will be trained using texts and equipment that prepare them to take the ASE Entry Level certification tests. This course will culminate in the possibility for students to have an industry recognized certification.	KW WEST NC WEST	CERT
Auto Drivetrain and Axles	PTH20105G.1 PTH20105G.2	11-12	1	Auto I or teacher permission	Auto Drivetrain and Axles students will learn about vehicle drivetrains which include transmissions and transfer cases, axles, CV and U-joints, Drivelines and transaxles. Students will be involved in various learning activities ranging from state of the art teaching and lab aides to classroom instruction. Lab work will be rigorous and real. All activities will be ASE aligned. Students will be trained using texts and equipment that prepare them to take the ASE Entry Level certification tests. This course will culminate in the possibility for	KW WEST NC WEST	CERT

					students to have an industry recognized certification.		
Auto Electricity and Electronics/Engine Performance	PTH2010 4G.1 PTH2010 4G.2	11-12	1	Auto Brakes and Suspension or Auto Drivetrain and Axles	Auto Electricity and Electronics/ Engine Performance will be focused on the ASE areas of Electricity and Electronics and Engine Performance. Students will learn about reviewing basic electricity from Auto I and then move on to Advanced Electricity/ Electronics. Learning will happen on state of the art trainers and through lab instruction. Classroom instruction will be industry based and aligned with ASE tests and Standards. Engine performance will focus on driveability concerns with emphasis on OBD II computer systems and diagnosis. Students will be trained using texts and equipment that prepare them to take the ASE Entry Level certification tests. This course will culminate in the possibility for students to have an industry recognized certification.	KW WEST NC WEST	HATHAWAY BOCES CERT **HA,AD**
Diesel Mechanics Comprehensive	PTH2010 7G.1 PTH2010 7G.2	11-12	1	Auto Brakes and Suspension or Auto Drivetrain and Axles	This course prepares students to maintain and repair diesel engines and related systems. Specific course topics may include principles underlying diesel engines, analyzing electrical circuits and systems, troubleshooting and repairing cooling systems, testing and repairing air-conditioning, charging systems, reading and interpreting service manuals and identifying the principles and components of fuel injection systems. The Course also covers safety. Students will be trained using texts and equipment that prepare them to take the ASE Entry Level certification tests on Heating and Air conditioning (HVAC) that is used in industry. This course will culminate in the possibility for students to have an industry recognized certification. .	KW WEST NC WEST	HATHAWAY BOCES CERT **HA**
Industry Cert Training (Heavy Equipment Operators)	20052G	11-12	1	16 years or older Limit to 6 students per semester Drug screening required prior to enrollment	In a 120 hour class students meet at the center and work on the skills and experience needed to start your career in the Construction Industry. While in training, students have been exposed to practical working conditions likely to be experienced on the job. Students are learning and will be certified to operate a backhoe and front-end loader from the National Center for Construction Education and Research. As they work toward their certification, students are also earning an elective credit through the school district.	KW WEST NC WEST RHS MW	HATHAWAY CERT

COMPUTER SCIENCE

COURSE	SCED#	GRADE LEVEL	CREDIT	PREREQUISITE	COURSE DESCRIPTION	LOCATION	OPPORTUNITIES
Computer Applications I	10004G	9-12	1		In Computer Applications, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including word-processing, spreadsheet, graphics, and database programs.	RHS KW	Wyoming Hathaway Scholarship Program
Computer Applications II	10005G	10-12	1	Computer Applications	In Applications II, Students will build on the skills learned in Computer Applications I. New software packages and applications will also be introduced.	KW	Wyoming Hathaway Scholarship Program
Computer Science I	10012G	9-12	0.5	Algebra I Recommended to have completed or concurrently enrolled in Geometry	Computer Science I offers students a hands-on introduction to computer science with a variety of coding styles and types. Students will learn html and CSS via code.org's curriculum and will create their own personal website. The course also uses Snap!, a visual block-based programming language that is ideal for introducing students to coding for the first time. Students will produce projects including Pong, Mario Bros, Space Invaders and re-creating movie scenes. This introductory programming course helps prepare students for more advanced programming courses including Computer Science II and then AP Computer Science, App Development and Cyber Security. There are huge career opportunities after high school in these growing fields.	NC	Wyoming Hathaway Scholarship Program
Computer Science II	10012G	9-12	0.5	Computer Sci I	Computer Science II builds on the first semester course by transitioning to a text-based program using the beginner-friendly Python language. Projects in this course include Mad Libs, Guess Who, Oregon Trail and Pokemon among others. Students will also continue with the code.org curriculum and will learn the basics of App Development through designing, prototyping and presenting their App Projects. Upon completion of this course, students will be able to enroll in AP Computer Science, App Development and Cyber Security. There are huge career opportunities after high school in these ever growing fields.	NC	Wyoming Hathaway Scholarship Program
CyberSecurity	10303G	11-12	1	Computer Science I and II	Students will learn about the different elements of cyber security including, networks, databases, cryptography, cyber attacks and how a cybersecurity professional detects and counters these attacks. Students will be able to	NC WEST	Wyoming Hathaway Scholarship Program

					describe different types of security threats and will look at high profile security breaches from around the world, what happened, and how it may have been prevented.		
APP Development	10206G	10-12	1	Computer Science I and II	The App Development curriculum is designed to teach any student to become an app developer where they can bring their own ideas to life. They will get practical experience with the tools, techniques, and concepts needed to build a basic iOS app from scratch. They will also build a foundation in Swift, Xcode, UIKit and networking through hands-on labs and guided projects. By the end of the course, they'll be able to build a fully functioning app of their own design.	NC	HATHAWAY
App Development II	10206	11-12	1	App Development	students will continue to build on their progress in App Development I by completing the curriculum provided by Apple (xCode with Swift). In the second semester students will learn React Native which is a platform that can be incorporated into their existing projects or can be used to build an app from scratch. React Native will also allow apps to be built for not only iOS but Android too. Ultimately the goal of the course will be to allow students to design and create their own app with the possibility of putting it on the App Store. Finally, this course will run at the same time as App Development I which means it will not require more FTE and will also allow the students to give back and help the first year students in their projects. (After all, the best way to learn something is to teach it!)	NC	HATHAWAY
Web Page Design	10201G	9-12	1		Web Page Design courses teach students how to design web sites by introducing them to and refining their knowledge of site planning, page layout, graphic design, and the use of markup languages—such as Extensible Hypertext Markup, JavaScript, Dynamic HTML, and the Document Object Model—to develop and maintain a web page. These courses may also cover security and privacy issues, copyright infringement, trademarks, and other legal issues relating to the use of the Internet. Advanced topics may include the use of forms and scripts for database access, transfer methods, and networking fundamentals.	KW	BOCES HATHAWAY **HA, AD**

Web Page Design 2	10201G	9-12	1	Web Design 1	Web Page Design II course teaches students advanced design practices by refining their knowledge of site planning, page layout, graphic design, and the use of markup languages—HTML 5.0, CSS 3.0, JavaScript, and the Document Object Model—to develop and maintain a web page.	KW	HATHAWAY
CISCO I	10103G	9-12	1		CCNA R&S: Introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. The principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for the curriculum. By the end of the course, students will be able to build simple LANs, perform basic configurations for routers and switches, and implementing IP addressing schemes.	NC	HATHAWAY
CISCO II	10104G	10-12	1	CISCO I	This course describes the architecture, components, and operations of routers and switches in a small network. Students learn how to configure a router and a switch for basic functionality. By the end of this course, students will be able to configure and troubleshoot routers and switches and resolve common issues with RIPv1, RIPng, single area and multi-area OSPF, virtual LANs, and inter VLAN routing in both IPv4 and IPv6 networks.	NC	HATHAWAY
CISCO 1	10104G	9-12	1		Router Basics courses teach students about router components, start-up, and configuration using CISCO routers, switches, and the IOS (Internetwork Operation System). These courses also cover such topics as TCP/IP protocol, IP addressing, subnet masks, and network troubleshooting.	KW	HATHAWAY BOCES **HA,AD**
CISCO 2&3	10106G	9-12	1	CISCO I& II	Wide Area Telecommunications and Networking courses provide students with the knowledge and skills to enable them to design Wide Area Networks (WANs) using ISDN, Frame-Relay, and PPP. Students gain knowledge and skills in network management and maintenance and develop expertise in troubleshooting and assessing the adequacy of network configuration to meet changing conditions.	KW	HATHAWAY BOCES **HA, AD**
CISCO Cyber Security	10108G	9-12	1		Students will explore Cybersecurity Essentials and Operations as part of the Cisco Networking Academy Courses (in preparation for Cisco Security Certification). Mastery topics include: security concepts, techniques, protection, future issues, cybersecurity cube, threats	KW	HATHAWAY BOCES

					and vulnerabilities, secrets, integrity, 5 of 9 concepts, domains, and specialists.		
Computer Programming	10152G	NA	1		Computer programming provides an opportunity for students to gain expertise in computer science. As with more general computer programming courses, the emphasis is on how to structure and document computer programs and how to use problem-solving techniques. This course includes topics such as Boolean logic, selection, iteration, array use and procedures.	KW	
Computer Programming Honors	10152H		1	Algebra 1	Computer programming Honors provides an opportunity for students to gain expertise in computer science. As with more general computer programming courses, the emphasis is on how to structure and document computer programs and how to use problem-solving techniques. This course includes topics such as Boolean logic, selection, iteration, array use, procedures, file use and structures.	KW NC	**(4th Science or Math)** **HA, HN**
C++ Programming	10154G	NA	1	Computer Programming or Visual Basic Programming or AP Computer Science Principles	C++ Programming courses provide an opportunity for students to gain expertise in computer programs using the C++ language. As with more general computer programming courses, the emphasis is on how to write logically structured programs, include appropriate documentation, and use problem-solving techniques. More advanced topics may include multi-dimensional arrays, functions, and records.	KW	
C++ Programming Honors	10154H		1	Computer Programming or Visual Basic Programming or AP Computer Science Principles	C++ Programming courses provide an opportunity for students to gain expertise in computer programs using the C++ language. As with more general computer programming courses, the emphasis is on how to write logically structured programs, include appropriate documentation, and use problem-solving techniques. Topics may include multi-dimensional arrays, functions, files, vectors, points and classes	KW	**HA, HN**
Computer Programming Other	10156H	NA	1	C++ programming	Computer Programming—Other Language courses provide students with the opportunity to gain expertise in computer programs using languages other than those specified (such as Pascal, FORTRAN, or emerging languages). As with other computer programming courses, the emphasis is on how to structure and document computer programs, using problem-solving techniques. As students advance, they learn to capitalize on the	KW	**HN**

					features and strengths of the language being used.		
AP Computer Science Principles	10011H	NA	1	Algebra I @KW Computer Science I/II @NC	AP Computer Science Principles is an introductory course that introduces students to computer programming, the internet, cyber security concerns, and the impacts of computing technology. This course focuses on seven big ideas which are: creativity, abstraction, data and information, algorithms, programming, the Internet , and global impact. It is taught using six computational thinking practices; connecting computing, creating computational artifacts, abstraction, analyzing problems and artifacts, communicating, and collaborating.	KW NC	HATHAWAY **HA, HN**
AP Computer Science A	10157H	10-12	1	C++ programming @KW AP Computer Science Principles @NC	Following the College Board's suggested curriculum designed to mirror college-level computer science courses, AP Computer Science A courses provide students with the logical, mathematical, and problem-solving skills needed to design structured, well-documented computer programs that provide solutions to real-world problems. These courses cover such topics as programming methodology, features, and procedures; algorithms; data structures; computer systems; and programmer responsibilities.	KW NC	HATHAWAY NCAA **HA, HN**

FINANCIAL LITERACY/CIVIC RESPONSIBILITY

(Graduation Requirement)

COURSE	SCED#	GRADE LEVEL	CREDIT	PREREQUISITE	COURSE DESCRIPTION	LOCATION	OPPORTUNITIES
Financial Literacy	12149G	11-12	1		The Financial Literacy course provides students with an understanding of the concepts and principles involved in managing one's personal finances. Topics include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection.	KW KW WEST NC NC WEST MW RHS	HATHAWAY

FINE AND PERFORMING ARTS

COURSE	SCED#	GRADE LEVEL	CREDIT	PREREQUISITE	COURSE DESCRIPTION	LOCATION	OPPORTUNITIES
Theatre - Comprehensive I	05053G	9-12	1		An introduction to theatre and dramatic arts that provides a comprehensive overview of various aspects of theatre from performance to production. Students gain a general knowledge of acting, movement, playwriting, voice and diction, stage movement, technical theatre, and theatre history.	KW NC	HATHAWAY
Theatre - Comprehensive II	05053G	9-12 10-12@NC	1	Instructor permission	This course builds upon the foundation students gained in Drama I with a focus on acting theory, musical theatre history, musical theatre performance, and theatrical production. Students may take part in the Wyoming State Drama Competition.	KW NC	HATHAWAY
Theatre - Comprehensive III	05053G	10-12 11-12@NC	1	Instructor permission and requires an audition.	This course builds upon what was learned in Drama II with a focus on acting theory and technique, theatre history and performance from Ancient Greece through Elizabethan England, devised theatre, playwriting, and theatrical production. Students are required to take part in the Wyoming State Drama Competition and be involved in at least one extracurricular production.	KW NC	HATHAWAY
Theatre - Comprehensive IV	05053G	10-12 12@NC	1	Instructor permission and requires an audition.	This course is the capstone course in theatre performance and production with an emphasis on acting, auditioning, directing, stage management, playwriting, theatre history from the Restoration to the present. Students are required to take part in the Wyoming State Drama Competition and each of the extra-curricular productions.	KW NC	HATHAWAY
Drama - Stagecraft I	05056G	9-12	1		Students will gain a comprehensive view of the various areas of technical theatre production, design, and participation. Subjects include scenic design and construction, sound design, stage lighting, stage and special effects makeup, costuming, theatre business, and stage management.	KW NC	HATHAWAY
Drama - Stagecraft II	05056G	9-12 10-12@NC	1	instructor permission	Students will gain a more in-depth knowledge of various areas of technical theatre production, design, and participation. Subjects include scenic design and construction, sound design, stage lighting, stage and special effects makeup, costuming,	KW NC	HATHAWAY

					theatre business, and stage management. Students are required to participate as stage crew for extra-curricular performances and may be called on to help with other events in the auditorium.		
Drama - Stagecraft III	05056G	9-12 11-12@NC	1	instructor permission	Students will gain a more in-depth knowledge of various areas of technical theatre production, design, and participation. Subjects include scenic design and construction, sound design, stage lighting, stage and special effects makeup, costuming, theatre business, and stage management. Students are required to participate as stage crew for extra-curricular performances and may be called on to help with other events in the auditorium.	KW NC	HATHAWAY
Orchestra	05104G	9-12	1		A study and performance of string orchestra literature and music theory as it applies to the orchestral musician. Performances are required, graded performances.	KW NC	HATHAWAY
Chamber Orchestra	05106G	9-12	1	Requires an audition	This group performs challenging string orchestra literature and studies music theory as it applies to the orchestral musician. It will focus on small as well large ensemble playing. Performances are required, graded events.	KW NC	HATHAWAY
Concert Band	05102G	9-12	1		Course is designed for the student to gain experience in Symphonic Band and Marching Band. Extra-Curricular rehearsals and performances are required. Students will learn concepts of theory, musical relationships, and contemporary notation practices as they pertain to live performance.	KW NC MW	HATHAWAY
Jazz Band (45 min. everyday during 0 Hour @ KW) (during 0 hour @ NC - Tues, Wed, and Thur.)	05105G	9-12	1	Concurrent enrollment in another large ensemble or director's permission	Course is designed for students to develop skills in performing jazz styles as well as studying the history and theory of jazz. Opportunities will be provided for combo and large ensemble performance. Students must also be enrolled in another large ensemble or have directors permission to enroll.	KW NC	HATHAWAY
Commercial music	05122G	9-12	1	Choir, Orchestra, Guitar, or Band experience.	Commercial music is a performance ensemble class designed for building high-level performance in contemporary commercial/pop music. It will be based on the same curriculum and standards as the jazz ensemble but the content and knowledge will be applied to more commercial/pop music than jazz.	NC	HATHAWAY
Piano Lab	05107	9-12	1		Piano lab is a course designed to introduce students to piano playing. Students will receive whole group as well as individualized instruction.	NC	HATHAWAY

					Students will play pieces aligned with their abilities. Students will participate in piano recitals on a semester basis.	MW	
Wire Choi	05109	9-12	1		This course is designed for students with previous experience playing on an acoustic string instrument (violin/fiddle, viola, cello, bass, guitar, banjo, mandolin, ukulele). Students will learn fiddle tunes including bluegrass, country, Irish and Celtic,etc. along with jamming skills. Performances required.	NC	HATHAWAY
Guitar I	05108G	9-12	1	Does not require an audition.	Guitar I is designed for beginning guitarists and will introduce students to the fundamentals of music and guitar-playing techniques, such as strumming and chords. Students with previous experience on guitar should sign up for Guitar II.	KW NC MW RHS	HATHAWAY
Guitar II	05108G	9-12	1	Guitar I	This course is for Intermediate Guitarists who want to further their technique and musicianship. Students will learn more advanced chords, scales, techniques, improvisation, etc. The course will emphasize reading and playing multi-part literature. Some performances may be required.	KW NC MW RHS	HATHAWAY
Guitar III	05108G	10-12	1	Guitar II	This course is for Intermediate Guitarists who want to further their technique and musicianship. Students will learn more advanced chords, scales, techniques, improvisation, etc. The course will emphasize reading and playing multi-part literature. Some performances may be required.	KW NC	HATHAWAY
Guitar IV	05108G	10-12	1	Guitar III	This course is for Intermediate Guitarists who want to further their technique and musicianship. Students will learn more advanced chords, scales, techniques, improvisation, etc. The course will emphasize reading and playing multi-part literature. Some performances may be required.	KW NC	HATHAWAY
Percussion	05109G	9-12	1	Previous percussion experience	Course is designed for students to gain mastery at the appropriate individual developmental level in the areas of rudimentary drumming, accessory instrument performance, mallet keyboard performance, and trap set performance. The first quarter of the year will focus entirely on drum line performance. Extra-curricular performances	KW NC MW	HATHAWAY

					and rehearsals are required.		
Piano	05107G	9-12	1		Students will demonstrate their understanding of the elements of music through performance on piano and a variety of other musical instruments, evaluating theirs and others performances. Students will compose an original musical work for piano, employing two hands. Students will compare and contrast music throughout history and with other art forms. Students will explore careers in the Fine and Performing Arts industries, as well as non-professional opportunities to participate in music in one's community.	RHS	HATHAWAY
Chorus I	05110G	9-12	1		Chorus courses provide the opportunity to sing a variety of choral literature styles for men and/or women's voices and are designed to develop vocal techniques and the ability to read/sing parts.	KW NC MW RHS	HATHAWAY
Chorus II	05110G	9-12	1	Requires an audition at KW and NC.	Chorus II courses provide advanced students the opportunity to sing a variety of choral literature styles for men and/or women's voices and are designed to develop vocal techniques and the ability to read/sing parts.	KW NC RHS MW	HATHAWAY
Chorus III	05110G	10-12 @KW 9-12@NC	1	Requires an audition.	Chorus III courses provide advanced students the opportunity to sing a variety of choral literature styles for men and/or women's voices and are designed to develop vocal techniques and the ability to read/sing parts.	KW NC	HATHAWAY
Vocal Ensemble	05111G	10-12@KW 9-12 @NC	1	Requires an audition.	Vocal Ensemble courses are intended to develop vocal techniques and the ability to sing parts in small ensemble. Course goals may include the development of solo singing and improvisation and may emphasize one or several ensemble literature styles.	KW NC	HATHAWAY
Music Theory	05113G	9-12	1	Prior experience in music (ie: Orchestra, Band, Chorus)	Music Theory courses provide students with an understanding of the fundamentals of music and include one or more of the following topics: composition, arrangement, analysis, aural development, and sight reading.	KW	HATHAWAY
AP Music Theory H	05114H	9-12	1	Pre-Test and Teacher Permission	AP Music Theory courses are designed to be the equivalent of a first-year music theory college course as specified by the	KW	HATHAWAY **HA, HN**

					College Board. AP Music Theory develops students' understanding of musical structure and compositional procedures. Usually intended for students who already possess performance-level skills, AP Music Theory courses extend and build upon students' knowledge of intervals, scales, chords, metric/rhythmic patterns, and the ways they interact in a composition. Musical notation, analysis, composition, and aural skills are important components of the course.		
Music - Independent Study	05147G	9-10	1	Requires an audition	Music—Independent Study courses, often conducted with instructors, professional musicians, or voice coaches as mentors, enable students to explore music-related topics. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular form or style, to explore a topic in greater detail, or to develop more advanced skills.	NC	
Music - Independent Study H	05147H	11-12	1	Requires an audition	Music—Independent Study courses, often conducted with instructors, professional musicians, or voice coaches as mentors, enable students to explore music-related topics. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular form or style, to explore a topic in greater detail, or to develop more advanced skills.	KW NC	HATHAWAY **HN**
IB Music	05115H	11-12	1		Involving aspects of the composition, performance and critical analysis of music, the course exposes students to forms, styles and functions of music from a wide range of historical and socio-cultural contexts. Students create, participate in, and reflect upon music from their own background and those of others. They develop practical and communicative skills which provide them with the opportunity to engage in music for further study, as well as for lifetime enjoyment	NC	HATHAWAY **HN, HA**
Creative Art--Comprehensive	05154G	9-12	1		Students will develop skills in creative thinking and problem solving. The development of the understanding of the Elements and Principles of Design is emphasized throughout the course. An overview which offers exposure and experience in multiple-medium processes and techniques. These concepts will be learned and experienced as the students create original artwork.	KW MW RHS	HATHAWAY

Color Theory and Design	05999G	9-12	1		Students will investigate the fundamentals of Color and Design. They will become confident with creative problem solving processes and skills in observational design, color theory and design principles through the investigation of multimedia processes. Students will critically examine artists through their cultural and historical context and make informed connections to their art making process. These concepts will be mastered through the creation and production of original art. Students will explore a variety of media and mixed media processes. This is a Pre-IB class for NC students.	KW NC	HATHAWAY
Creative Art-- Draw/Paint I	05155G	9-12	1		A course in which the principles and properties of drawing and painting are explored through multiple-media with drawing and painting skills and techniques. May include: charcoal, graphite, pastels, oils, watercolors, acrylics, airbrush.	KW MW	HATHAWAY
Creative Art-- Draw/Paint II	05155G	9-12	1	Instructor permission	A further in-depth look at the principles and properties of drawing and painting through multiple medium processes and techniques, which may include: charcoal, graphite, pastels, oils, watercolors, acrylics, airbrush.	KW	HATHAWAY
Creative Art-- Drawing I	05156G	9-12	1		This course covers fundamental drawing skills, which can stand on their own or be used as a foundation for other visual disciplines. Students will become confident with the use of observational drawing skills and the techniques of the classic drawing mediums. The development of the understanding of the Elements and Principles of Design, creative thinking and problem solving is emphasized throughout the course. These concepts will be mastered through the creation and production of original art.	NC RHS	HATHAWAY
Creative Art-- Painting I	05157G	9-12	1		Throughout this class students will learn a variety of painting processes that may encompass printmaking processes. The development of the understanding of the elements and principles of design, color theory,creative thinking and problem solving is emphasized throughout the course. These concepts will be mastered through the creation and production of original art.	NC MW RHS	HATHAWAY

Creative Art-- Sculpture I	05158G	9-12	1		This course will explore the fundamental concepts, methods, and techniques used in the creation of sculpture and pottery. These concepts will be learned and experienced as the students create original 3-dimensional works of art using clay and/or other materials. Exploration of sculpture as an art form in past and present cultures will be researched. Students will critically examine artists through their cultural and historical context and make informed connections to their art making process. This is a pre-IB course for NC students.	NC KW KW WEST MW RHS	Wyoming Hathaway Scholarship Program
Creative Art-- Sculpture II	05158G	10-12	1	Sculpture I	This course will be a more in-depth examination of sculptural/ceramic art techniques and concepts. These concepts will be learned and experienced as the students create original three-dimensional works of art using clay and/or other materials. Exploration of sculpture as an art form in past and present cultures will be researched. Students will need a constructive work ethic and will be encouraged to be self-motivated and develop an individual style.	NC KW KW WEST	Wyoming Hathaway Scholarship Program
Photography I	05167G	11-12 KW 11-12 @ NC 9-12 @ MW and RHS	1		Throughout this class students will learn how to apply composition concepts to the genre of photography. The course will cover basic camera operations, industry standard photo editing software, printing process, and creative problem solving. These concepts will be mastered through the creation and production of original art.	NC KW KW WEST MW RHS	Wyoming Hathaway Scholarship Program
Photography II	05167G	10-12	1	Photography I	This class will expand on the skills learned in Photography I with more emphasis placed on SLR camera operations, creating a series of photographs developed within one theme; more in depth investigation with industry standard photo editing software; development of a photographic portfolio; more experience in print media; and increased use of social networking sites for sharing and collaborating on photos. Students will work towards producing a final marketable portfolio that demonstrates a mastery of technical skills, and ability to concisely communicate original concepts.	NC MW	Wyoming Hathaway Scholarship Program
Commercial Photo	11052G	9-12	0.5		Commercial Photography provides students with the opportunity to learn the processes	NC	Wyoming Hathaway Scholarship Program

					and techniques used by commercial photographers, as well as what job experiences and commissions are encountered by Commercial photographers. Students will engage in learning experiences that will lead them to understand what it takes to be a "professional." Students will learn various photography skills such as effective photo shooting techniques, building photo settings, using studio photography techniques like lighting and backdrops, and photoshop manipulations. These experiences will take place with students working independently, working in groups with other students as well as professionals in the community. This is a hands-on, project-oriented class where students learn to problem solve problems and multi-task projects.		
Computer Assisted Graphic Design	05169G	9-12	1		Computer-Assisted Art courses enable students to discover and explore how the computer can be used as a tool to communicate visually. Computer-Assisted Art courses provide the opportunity to become more adept in 2D, 3D, animation and motion graphics. Industry standard software will be implemented such as the Adobe Production Suite and Autodesk Entertainment Creation Suite. Students will work towards producing a final marketable portfolio that demonstrates a mastery of technical skills, and ability to concisely communicate original concepts.	NC	HATHAWAY
Computer Assisted Art-Animation/Motion Graphics		11-12	1	Computer - Assisted Art/Graphic Design	Computer-Assisted Art II Animation/Motion Graphics will enable students to continue to discover and explore how the computer can be used as a tool to communicate visually. Computer-Assisted Art courses provide the opportunity to become more adept in 2D, 3D, animation and motion graphics. Industry standard software will be implemented such as the Adobe Creative Cloud and Autodesk Entertainment Creation Suite. Students will work towards producing a final marketable portfolio that demonstrates a mastery of technical skills, and ability to concisely communicate original concepts.	NC WEST	
Visual Arts-- Independent Study	05197E	10-12	1	Lab Course for IB Art Students @NC Instructor permission @KW	This course is a concurrent enrollment course with IB Art/Design. It allows students time to prepare to take the IB Art/Design exam.	KW NC	HATHAWAY **AD**
IB Art/Design I, II H/SL	05173H	10-12	1		IB Art/Design courses prepare students to take the International Baccalaureate Art/Design exams	NC	HATHAWAY

					at Standard level. IB Art/Design courses help develop students' aesthetic and creative faculties, offer training in awareness and criticism of art, and enable students to create quality works of art of their own. Students perform both studio and research work; the research component is designed to investigate particular topics or concepts of interest in further detail.		**HA, HN**

FOREIGN LANGUAGE

COURSE	SCED#	GRADE LEVEL	CREDIT	PREREQUISITE	COURSE DESCRIPTION	LOCATION	OPPORTUNITIES
Spanish 1 *This course is offered at middle level	24052G	9-12	1		Designed to introduce students to beginning listening, speaking, reading and writing skills with an introduction to Spanish grammar. Students will learn about the cultures of the Spanish speaking world.	KW NC MW	Wyoming Hathaway NCAA
Spanish 2A *This course can be taken at the middle level	24053E	9-12	1	Full Year Spanish 1	Designed to strengthen students' listening, speaking, reading, and writing skills with a continuation of Spanish grammar. Students will learn about the cultures of the Spanish speaking world.	KW NC MW	Wyoming Hathaway BOCES **KW,NC** NCAA **HA, AD**
Spanish 3H	24054H	9-12	1	Spanish 2	This course is designed to develop the four skills of listening, speaking, reading, and writing with an emphasis on the mastery of grammar and vocabulary. Students will compare and contrast cultural similarities and differences.	KW	Wyoming Hathaway NCAA **HN**
IB Spanish 3H	24063H	9-12	1	Spanish 2 or placement test	This course offers a communicative approach using diverse formats to promote the active participation of students. It is designed to develop the four language skills with the emphasis on the mastery of grammar, vocabulary and the development of reading skills. Students will become aware of the cultural similarities and differences.	NC	Wyoming Hathaway NCAA **HA, HN**
Spanish 4H	24055H	10-12	1	Spanish 3	This course is a continued study of Spanish grammar and development of the four skills of listening, speaking, reading, and writing. Students will be able to	KW	Wyoming Hathaway

					maintain simple conversations with sufficient vocabulary and an acceptable accent. Students will continue to examine literature and advance listening skills via authentic video/podcasts.		HN
IB Spanish 4H	24063H	10-12	1	Spanish 3	This course emphasizes the ability to read, write, and participate in challenging conversations, debates, and presentations. Students are introduced to both modern and traditional literature with varied texts and techniques will be used throughout the year.	NC	HA, HN
Spanish 5H	24056H	11-12	1	Spanish 4	This course extends students' facility with language so they are able to understand, initiate and sustain conversations on topics beyond basic survival needs. Topics may be based on literature, science, history and psychology. Students will develop a vocabulary large enough to understand literacy texts, magazines, newspaper articles and video/podcasts. Preparatory for CLEP placement exam.	KW	HN
IB Spanish 5 H	24063H	11-12	1	IB Spanish 4	This course is conducted entirely in Spanish. Students will write formal papers and oral presentations. Oral presentation is a priority and will be a major part of the grade. IB students with proven abilities who complete this class may prepare to sit for the SL or HL IB exam.	NC	HA, HN
IB Lang B Spanish VI H	24063H	12	1	Spanish 5 H	IB Language B—Spanish courses prepare students to take the International Baccalaureate Language B exams at either the Standard or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Standard level exam will be proficient at communication in various situations. Students preparing for the Higher level exam communicate with greater proficiency. Spanish VI H uses the language as a medium for learning as well as a goal in itself. Topics in culture and the language itself are explored."	NC	HA, HN
Spanish for Heritage Speakers I	24057G	9-12	1	Instructor Permission	This course is designed for the Spanish heritage speakers with an emphasis on literacy using all four skills of reading, writing, speaking, and listening. It is taught in the Spanish language with an introduction to novels, plays, and poetry while being exposed to the cultures of the Spanish speaking world.	NC KW	KW Only

Spanish for Heritage Speakers II	06106G	9-12	1	Instructor Permission	Designed for the heritage Spanish speaker continuing their education of Spanish after Level 1. It is taught in the Spanish language with a continuation on reading and writing. Students will continue their practice and learning of novels, plays, and poetry. The students will have the opportunity to explore and celebrate their own cultural background as well as other cultures represented in the Spanish-speaking world. The students will learn how to de-code, show reading comprehension, and write in the target language at a higher level and practice higher levels of grammar and composition to strive for fluency in reading and writing. The students will receive instruction based on their current abilities in the language.	NC KW	
Spanish Literature H	24062H	11-12	1	Instructor Permission	This course is a survey of Spanish novels, plays, and poetry with an emphasis on reading, understanding, and reacting in writing to literature written in Spanish.	KW	NCAA HN
French I	24102G	9-12	1		Designed to introduce students to French language and culture, French I emphasizes basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. French culture is introduced through the art, literature, customs, and history of the French-speaking people.	NC KW	NCAA
French II A	24103E	9-12	1	French I	French II courses build upon skills developed in French I, extending students' ability to understand and express themselves in French and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of French-speaking people to deepen their understanding of the culture(s).	NC KW	BOCES NCAA HA, AD
French III H	24104H	10-12	1	French II or with instructor permission	French III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to	KW	NCAA

					the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.		**HA, HN**
French IV H	24105H	10-12	1	French III or with instructor permission	French IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the French language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary. This will be given through the medium of French History and period Literature and poetry.	KW	**HN**
French V H	24106H	11-12	1	French IV or with instructor permission	French V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future). Designed to parallel third-year college-level courses in French Composition and Conversation, builds upon prior knowledge and develop students' ability to understand others and express themselves (in French) accurately, coherently, and fluently. Students will develop a vocabulary large enough to understand literary texts, magazine/newspaper articles, films and television productions, and so on. Preparatory for CLEP placement exam.	KW	**HN**
French VI Literature H	24110H	11-12	1	French V or with instructor permission	French Literature courses place an emphasis on reading, speaking, understanding, writing and reacting to literature written in French. Preparatory for CLEP placement exam.	KW	**HN**
IB Language B-French III H	24113H	10-12	1		IB Language B—French courses prepare students to take the International Baccalaureate Language B exams at either the Standard or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to	NC	

					take the Standard level exam will be proficient in social verbal interaction; students preparing for the Higher level exam communicate with greater proficiency. The French III course is the last detailed learning of French structure.		**HA, HN**
IB Language B-French IV H	24113H	11-12	1	IB French III	IB Language B—French courses prepare students to take the International Baccalaureate Language B exams at either the Standard or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Standard level exam will be proficient in social verbal interaction; students preparing for the Higher level exam communicate with greater proficiency. French IV begins to use the language as a medium for learning as well as a goal in itself. Topics in culture and the language itself are explored.	NC	**HA, HN**
IB Language B-French V H	24113H	11-12	1	IB French IV	IB Language B—French courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Standard level exam will be proficient at communication in various situations. Students preparing for the Higher level exam communicate with greater proficiency. French IV begins to use the language as a medium for learning as well as a goal in itself. Topics in culture and the language itself are explored.	NC	**HA, HN**
Japanese I A	24421E	9-12	1		This course develops communication skills through practicing speaking, listening, writing, and reading in various "realistic" situations where Japanese "culture" is interwoven. Japanese I courses aim at fostering students who can "function" in Japan at a basic level within predictable areas of need, using customary courtesies and conventions. Some appropriate technologies are introduced so that students have opportunities to communicate with Japanese natives.	KW	**AD**
Japanese II A	24422E	9-12	1	Japanese I	This course strengthens communication skills developed in Japanese I through the program situated in "Trip to Japan." In addition to the two writing systems introduced in Japanese I, students build "Kanji" literacy so that they can use and read authentic materials and deepen the understanding of	KW	**AD**

					Japanese society and culture. They will continue to use various technologies and online resources for communication opportunities.		
Japanese III H	24423H	10-12	1	Japanese II	This course strengthens communication skills developed in Japanese II by exploring various elements of Japanese society, such as annual events, food, healthy lifestyles, nature, recycling, arts, and folk tales. They will have more opportunities to build up “Kanji” literacy and to use their communication skills with the natives.	KW	HATHAWAY NCAA HN
Japanese IV H	24424H	10-12	1	Japanese III	This course strengthens communication skills developed in Japanese III by exploring various elements of Japanese society, such as work and career, environment, community, education, technology, climate, and media. The students are offered more opportunities to build up “Kanji” literacy and to use their communication skills with the natives.	KW	HATHAWAY NCAA HN
Japanese V H	24425H	11-12	1	Japanese IV	This course strengthens communication skills developed in Japanese IV by exploring various elements of Japanese society, such as work and career, environment, community, education, technology, climate, and media. The students are offered more opportunities to build up “Kanji” literacy and to use their communication skills with the natives.	KW	HATHAWAY NCAA HN
Russian I A	24652E	9-12	1		Designed to introduce students to Russian language and culture, Russian I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Russian culture is introduced through the art, literature, customs, and history of the Russian-speaking people.	NC	HATHAWAY NCAA AD
IB Language B-Russian II H	24663H	9-12	1	Russian I	IB Language B—Russian courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students’ accuracy and fluency in oral and written communication (usually in the students’ “second” language). Students preparing to take the Subsidiary level exam will be able to understand native speakers.	NC	HATHAWAY NCAA HA, HN

IB Language B-Russian III H	24663H	10-12	1	Russian II	Prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers.	NC	HA, HN
American Sign Language 1 This course is offered at the middle level	24852G	9-12	1		Course will provide beginning level knowledge of American Sign Language, fingerspelling, deafness, and deaf culture. Emphasis will be on developing receptive and expressive language skills within the parameters of sign language using American Council on the Teaching of Foreign Language 5 C's to include: Communication, Culture, Connections, Comparisons and Community.	KW NC	HA
American Sign Language 2H This course is offered at the middle level	24853H	9-12	1	Successful completion of ASL 1	This course will provide intermediate level instruction in ASL vocabulary, grammar, fingerspelling, deaf history, and deaf culture. Emphasis will be on developing receptive, expressive language skills, and storytelling within the parameters of sign language. Discussions will focus on deafness, current events and related topics within this language.	KW NC	HA, AD
World Language Teaching Practicum	24995E	11-12	1	World Language teacher recommendation	Students in this class will help teach enrichment World Language classes in local grade schools and middle schools in conjunction with local teachers. They will teach about the language and culture of the country where the language is spoken. At KW, students who are learning ASL, French, Japanese, and Spanish are eligible to take this course. If the student is considering the teaching profession, this class may be an opportunity to develop the future skills.	KW	AD

LANGUAGE ARTS

COURSE	SCED#	GRADE LEVEL	CREDIT	PREREQUISITE	COURSE DESCRIPTION	LOCATION	OPPORTUNITIES
English/Language Arts I	01001G	9	1		English/Language Arts I courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the conventions of writing and include	KW	

					the five aspects of language arts: reading, writing, language, speaking, and listening. These courses introduce and define various genres of literature and informational texts, with writing exercises often linked to reading selections. This course is aligned to the common core state standards.	NC MW RHS	NCAA
English/Language Arts I Advanced	01001E	9	1	8th grade instructor permission	NC--successful completion in advanced classes may enable future enrollment in Pre-International Baccalaureate classes. KW - Pre-AP	KW NC	HATHAWAY NCAA **AD**
English/Language Arts II	01002G	10	1		English/Language Arts II courses build on knowledge from Language Arts I in the areas of grammar, vocabulary, word usage, and the conventions of writing. These courses offer a balanced focus on reading, writing, language, speaking, and listening. Through the study of various genres of world literature and informative texts - including seminal United States documents - students will read and comprehend independently and proficiently. This course is aligned to the common core state standards.	KW NC MW RHS	HATHAWAY NCAA
English/Language Arts II Honors	01002H	10	1	Instructor permission	NC--successful completion in advanced classes may enable future enrollment in International Baccalaureate classes. KW - Pre-AP	KW NC	HATHAWAY NCAA **HN**
English/Language Arts III	01003G	11	1		English/Language Arts III courses build on knowledge from Language Arts II in the areas of grammar, vocabulary, word usage, and the conventions of writing. These courses offer a balanced focus on reading, writing, language, speaking, and listening. Through the study of various genres of American literature and informative texts - including foundational United States documents - students will read and comprehend proficiently. This course is aligned to the common core state standards and is preparatory for the ACT.	KW KW WEST NC NC WEST MW RHS	HATHAWAY NCAA

English/Language Arts III Honors	01003H	11	1	Instructor Permission	English/Language Arts III courses build on knowledge from Language Arts II in the areas of grammar, vocabulary, word usage, and the conventions of writing. These courses offer a balanced focus on reading, writing, language, speaking and listening. Through the study of various genres of American Literature and informative texts - including foundational United States documents- students will read and comprehend proficiently. This course is aligned to the common core state standards and is preparatory for the ACT. Collaborative research and cross-curricular connections are required.		**HN**
English/Lang Arts IV	01004G	12	1		English/Language Arts IV courses build on knowledge from Language Arts III in the areas of grammar, vocabulary, word usage, and the conventions of writing. These courses offer a balanced focus on reading, writing, language, speaking, and listening. Through the study of various genres of literature (including one Shakespearean play) and informative texts, students will read and comprehend independently and proficiently. This course is aligned to the common core state standards.		
English/ Composition	01102G	12	0.5		English/Composition (seniors) courses are designed for seniors and build upon previous writing skills. Reinforcing the logic and critical-thinking skills that accompany good writing, these courses—which emphasize word choice, usage, and writing mechanics—provide continued and advanced instruction in writing for a variety of purposes and audiences. English/Composition courses may emphasize college or business preparation; literature study may be offered as an additional component in which students analyze examples of several genres.		
English/Literature	01052G	12	0.5		English/Literature courses are designed for seniors and emphasize comprehension, discernment, and critical-thinking skills in the reading of texts and literature. These courses introduce and explore more advanced literary techniques (irony, satire, humor, connotation, tone, rhythm, symbolism, etc) through two or more literary genres, with the aim of creating sophisticated readers. Writing		

					assignments are required as an additional method to develop and improve critical-thinking and analytical skills.		
English/Language Arts IV Advanced	01004E	12	1	Must be a senior.	A study of the fundamentals of purposeful communication in English. The course focuses on reading and writing expository essays, on using effective language for exposition of ideas, and on thinking clearly. Students are to practice synthesizing information, organizing it coherently, and writing clearly. (Description from Casper College course catalog.)	NC	HN, HA
AP English Language & Comp H	01005H	12	1		Following the College Board's suggested curriculum designed to parallel college-level English courses, AP English Language and Composition courses expose students to prose written in a variety of periods, disciplines, and rhetorical contexts. These courses emphasize the interaction of authorial purpose, intended audience, and the subject at hand, and through them, students learn to develop stylistic flexibility as they write compositions covering subjects that are intended for various purposes.	KW	HA, HN
AP English Literature & Composition	01006H	11-12	1	Teacher recommend (can fulfill LA III requirement or as an elective)	An AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism and tone.	KW	HA, HN
IB Language A III H	01007H	11	1	Eng/Lang Arts IIH	IB Language A (English) prepares students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors and written analyses of this literature in addition to other oral and written assignments. All course content is designed to improve students' accuracy and fluency in the English language.	NC	HA, HN
IB Language A IV H	01007H	12	1		IB Language A (English) courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors and written analyses of this literature in addition to other oral and written assignments. All	NC	HA, HN

					course content is designed to improve students' accuracy and fluency in the English language.		
Forensic Speech-Debate	01153G		1 (elective only)		Forensic Speech—Debate courses offer students the opportunity to learn how to use oral skills in formal and informal situations. In these courses, students are able to develop such skills as logic and reasoning, research and analysis, organization of thought and supporting materials, argumentative style and skill, and effective presentation of one's voice and body. Often linked to an extracurricular program, these courses introduce students to the methods, aims, and styles used in various kinds of debates (formal debate or Lincoln-Douglas). Participation in competition is encouraged, but not always required.	KW	NCAA
Creative Writing	01104G		1 (elective only) 0.5 @NC (elective only)		Creative Writing courses offer students the opportunity to develop and improve their technique and individual style in poetry, short story, drama, essays, and/or other forms of prose. The emphasis of the course is on writing; however, students will analyze their own writing, and the writing of others, both professional and student, to obtain a fuller appreciation of the form and craft. Students will be instructed in writing strategies and techniques; be provided time to write creatively; and be trained to respond constructively to their own writing and the works of their peers.	KW NC RHS	HATHAWAY NCAA **KW only**
Creative Writing II	01104	10-12	1 (elective only)	Creative Writing	Creative Writing 2 is a semester-long class designed to provide creative writing opportunities and challenges unlike those of a traditional composition or literature class. Building on the foundation of Creative Writing 1, Creative Writing 2 seeks to reinforce the techniques and skills acquired in the previous course by providing students the ability to pursue extended individual writing projects, participate in more frequent collaborative sessions, and to explore hybrid genres. Students will produce a capstone portfolio of their best works and will contribute to the Kelly Walsh Literary Magazine for publication.	KW	HATHAWAY NCAA
Journalism I	11101G	9-12	1 (elective only)		Journalism courses (typically associated with the production of a school newspaper, yearbook, or literary magazine) emphasize	KW	NCAA

					writing style and technique as well as production values and organization. Journalism courses introduce students to the concepts of newsworthiness and press responsibility; develop students' skills in writing and editing stories,headlines, and captions; and teach students the principles of production design, layout, and printing. Photography and photojournalism skills may be included. Media literacy is also covered to make students more responsible consumers of information.	NC	
Journalism I H	11101H	9-12	1		Students interested in going for honors credit in this class will be asked to write more in-depth articles for the Kelly Kall Online and will be required to read and respond to more articles than the regular class. They will also be expected to independently study the elements of publication design.	KW	NCAA **HN**
Publication Production	11104G	10-12 9-12 @MW	1 (elective only)	Journalism 10th grade with instructor permission	Publication Production courses provide students with the knowledge and skills necessary to produce the school newspaper and yearbook. Students may gain experience in several components (writing, editing, layout, production, and so on) or may focus on a single aspect while producing the publication. Students will also be expected to sell ads for both the newspaper and the yearbook. The selling of ads teaches students real-world skills of face to face interaction in a business setting and is needed to produce student publications.	KW NC MW RHS	
Publication Production H	11104H	10-12	1 (elective only)	Journalism 10th grade with instructor permission	Students going for honors credit in this class will be expected to put in an extra 5 hours a week outside of class to produce the student publications. This could be done by taking pictures at events, working on layout for the yearbook, doing interviews for stories, etc.	KW	**HN**
Literature - Myths and Legends	01053G	9-12	0.5 (elective only)		Literature courses offer the opportunity for students to study and reflect upon the themes presented in the body of literature being presented. Students improve their critical-thinking skills as they determine the underlying assumptions and values within the reading selection and as they understand how the work reflects society's problems and culture. Oral discussion is an integral part of literature courses, and written compositions are often required. Literature courses may survey representative works, reflect a particular genre or a specific theme, or survey works of a particular time or people.	NC	

Literature Period - Holocaust	01062G	9-12	0.5 (elective only)		These courses have the same aim as general literature courses (to improve students' language arts and critical-thinking skills), focusing on the literature written during or reflecting a particular time period (such as the French Revolution, the 1960s, or the 20th century). Students determine the underlying assumptions and values within the selected works, reflect upon the influence of societal events and social attitudes, and compare the points of view of various authors. Oral discussion is an integral part of literature courses, and written compositions are often required.	NC	NCAA
Strategic Reading	01066G	9-12	1	Based on WY-TOPP reading scores OR Student choice No ELA credit	Strategic Reading courses are intended to improve a student's vocabulary, critical-thinking and analysis skills, or reading rate and comprehension level. Although these courses typically emphasize works of fiction, they may also include works of nonfiction (including textbooks). Strategic Reading courses often have a time-management focus, offering strategies for note-taking or for understanding and evaluating the important points of a text. While this course grants Carnegie credit needed for graduation for the requirement of a general elective in regards to a high school diploma, it does NOT meet the proficiency requirements for ELA for a high school diploma.	KW NC	

MATHEMATICS

COURSE	SCED#	GRADE LEVEL	CREDIT	PREREQUISITE	COURSE DESCRIPTION	LOCATION	OPPORTUNITIES
Foundation Math	02049G	9-10	1	Elective credit (no math credit)	This course is designed to provide the conceptual understanding and skills necessary to be successful in further math classes.	RHS	
Pre Algebra	02051G	9	1	Teacher recommendation @KWHS Teacher recommendation and WY-TOPP Score	Pre-Algebra will focus on three critical areas: (1) formulating and reasoning about expressions and equations, including modeling (2) grasping the concept of a function and using functions to describe quantitative relationships; (3) analyzing two- and three-dimensional space and figures.	KW RHS MW	WYOMING HATHAWAY SCHOLARSHIP PROGRAM

Algebra I This may be taken at the middle level	02052G	9-10 @KWHS 9-12	1		Algebra 1 will focus on these critical areas: expressions, equations, and functions, linear equations and functions, linear inequalities, systems of linear equalities, exponential equations and functions, quadratic expressions and equations, radical functions and geometry, and statistics and probability.	KW NC RHS MW	
Geometry H	02072H	9	1	Teacher recommendation	Geometry emphasizes an abstract, formal approach to the study of geometry, typically include topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as a system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.	KW NC	HN
Geometry	02072G	10-12@ NC and KW 9-12 @MW and RHS	1		Geometry emphasizes an abstract, formal approach to the study of geometry, typically include topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as a system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.	KW NC MW RHS	
Algebra II	02056G	9-12	1		Algebra II will focus on these critical areas: equations and inequalities, linear relations and functions, systems of equations and inequalities, quadratic functions and relations, polynomials and polynomial functions, inverses and radical functions and relations, exponential and logarithmic functions and relations.	KW KW WEST NC MW RHS	
Algebra II H	02056H	9-10	1	Teacher recommendation	Algebra II H will focus on these critical areas: equations and inequalities, linear relations and functions, systems of equations and inequalities, quadratic functions and relations, polynomials and polynomial functions, inverses and radical functions and relations, exponential and logarithmic functions and relations. This course also includes statistics and probability, trigonometric functions and relations.	KW NC	HN

ALGEBRA III	02057G1	12	2 (1 math 1 elective)	Teacher recommendation Successful completion of Algebra 2 OR be concurrently enrolled	Algebra III includes algebra topics, and are usually intended for students who have attained Algebra and Geometry objectives. Topics typically include The Real Number System; Linear Equations and Inequalities in one and two variables; Exponents and Polynomials; Factoring; Rational Expressions; Graphs of Linear Equations and Functions; Systems of Linear Equations; Inequalities and Absolute Values; Roots, Radicals, and Root Functions; Quadratic Equations, Inequalities, and Functions; and Inverse, Exponential, and Logarithmic Functions. At NCHS, This course meets the requirements of Casper College MATH 920 and MATH 930 using digital resources.	KW NC	HATHAWAY
Principles of Algebra & Geometry	02074G	11-12	1	Teacher recommendation	Principles of Algebra and Geometry courses combine the study of some pre-algebra and algebra topics with introductory geometry topics. These courses include the study of formulas, algebraic expressions, first degree equations and inequalities, the rectangular coordinate system, area, perimeter, and volume of geometric figures, and properties of triangles and circles.	KW NC	HATHAWAY
Trigonometry/ Algebra III Advanced Whole year or intensive	02106E		1	Algebra II	Covering topics of both trigonometry and advanced algebra this course prepares students for eventual work in Math Analysis/IB Math Studies. Topics typically include the study of right trigonometric and circular functions, inverses, and graphs; trigonometric identities and equations;solutions of right and oblique triangles; complex numbers; numerical tables; polynomial, logarithmic exponential, and rational functions and their graphs.	NC KW	HATHAWAY NCAA **AD**
Precalculus/Algebra and Trigonometry Honors	02106H		1	Trigonometry/ Math Analysis Honors @ KW PreCalculus Honors @ MW Students must enroll in Trigonometry /Algebra III Advanced Intensive Fall Semester @ NC	Elementary functions and graphing for mathematics, science, business, and engineering majors preparing for the regular calculus sequence. Includes exponential and logarithmic functions.The study of the Unit Circle and right triangle approaches, including identities, trigonometric equations, applications of trigonometric functions, and conics. Designed for mathematics, science and engineering majors preparing for the regular calculus sequence. Also includes elementary algebraic and trigonometric functions and graphing for mathematics, science, and engineering majors preparing for the regular calculus sequence.	NC KW	BOCES HATHAWAY **HA, HN**

Trigonometry/ Math Analysis Honors *This course is the equivalent to PreCalculus IB Honors at NC	02105H	NA	1	Algebra II. Teacher recommendation	Covering topics of both Trigonometry and Math Analysis, this course prepares students for eventual work in pre-calculus. Topics typically include the study of right trigonometric and circular functions, inverses, and graphs; trigonometric identities and equations; solutions of right and oblique triangles; complex numbers; numerical tables; polynomial, logarithmic, exponential, and rational functions and their graphs, and vectors.	KW	HN
PreCalculus Honors *This course is the equivalent to Trigonometry/ Math Analysis Honors at KW	02110H	NA	1	Geometry; Algebra II H;	Pre-Calculus is a course that includes the necessary advanced algebraic and trigonometric skills to be successful in Calculus AP or IB Math. Topics typically include the study of complex numbers; polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, and their relations, inverses and graphs; trigonometric identities and equations; solutions of right and oblique triangles; the polar coordinate system; vectors; sequences and series.	RHS MW	HN
PreCalculus IB Honors	02110H		1	Geometry A; Algebra II H;	Pre-Calculus is a course that includes the necessary advanced algebraic and trigonometric skills to be successful in Calculus AP or IB Math. Topics typically include the study of complex numbers; polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, and their relations, inverses and graphs; trigonometric identities and equations; solutions of right and oblique triangles; the polar coordinate system; vectors; sequences and series.	NC	HA, HN
IB Mathematics: Applications and Interpretation Honors	02131H	11-12	1	Precalculus IB Honors	IB Mathematical Studies courses emphasize applications of mathematics and are designed for students with varied mathematical backgrounds and abilities. Intended to provide students with the skills to cope with the mathematical demands of a technological society, course topics include Number & Algebra ; Descriptive Statistics Logic, Sets, & Probability ; Statistical Applications ; Geometry & Trigonometry ; Mathematical Models and Introduction to Differential Calculus Furthermore, students start with ACT prep, complete a project, and prepare for the IB Math Studies exam. This course is embedded in the Math Analysis A course.	NC	HA, HN
IB Mathematics: Analysis and Approaches Honors	02132H	11-12	1	Pre Calculus IB Honors Or Trigonometry/ Algebra III	IB Mathematics courses prepare students to take the International Baccalaureate Mathematics exams at the Subsidiary or Higher level. Topics include operations	NC	

				Advanced	and properties of number sets; trigonometric functions, equations, and graphs; algebra and coordinate geometry; simultaneous linear equations; polynomial and quadratic functions and equations; calculus, including bi-linear, exponential and logarithmic functions; two dimensional vectors; and probability.		HA, HN
AP Calculus AB	02124H	NA	1	Pre-Calculus H	Following the College Board's suggested curriculum designed to parallel college-level calculus courses, AP Calculus AB provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications. These courses introduce calculus and include the following topics: elementary functions; properties of functions and their graphs; limits and continuity; differential calculus; and integral calculus.	KW NC	HA, HN
AP Calculus BC	02125H	NA	1	AP Calculus AB	Following the College Board's suggested curriculum designed to parallel college-level calculus courses, AP Calculus BC courses provide students with an intuitive understanding of the concepts of calculus and experience with its methods and applications, and also require additional knowledge of the theoretical tools of calculus. These courses assume a thorough knowledge of elementary functions, and cover all of the calculus topics in AP Calculus AB as well as the following topics: vector functions, parametric equations, and polar coordinates; rigorous definitions of finite and nonexistent limits; derivatives of vector functions and parametrically defined functions; advanced techniques of integration and advanced applications of the definite integral; and sequences and series.	KW	HA, HN
AP Statistics H	02203H	NA	1	Algebra II or higher; ACT 23 for CC credit	Following the College Board's suggested curriculum designed to parallel college-level statistics courses, AP Statistics courses introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference.	KW	HA, HN

PHYSICAL EDUCATION

COURSE	SCED#	GRADE	CREDIT	PREREQUISITE	COURSE DESCRIPTION	LOCATION	OPPORTUNITIES

		LEVEL					
Freshman Physical Education	08001G	9-12 @ KW 9 @NC	1		Freshman Physical Education courses emphasize acquiring knowledge and skills regarding lifetime physical fitness; content may include related topics such as nutrition, stress management, and consumer issues. Students may also develop and implement a personal fitness plan. This course also provides students with knowledge, experience, and an opportunity to develop skills in more than one of the following sports or activities: aquatics, team sports, individual/ dual sports, and fitness/conditioning activities. It meets the NCSD #1 Physical Education and Health Standards.	KW NC MW RHS	
Individual/Dual Sports	08003G	9-12	0.5		Individual/Dual Sports courses provide students with knowledge, experience, and an opportunity to develop skills in individual, dual, and team sports. This course also includes aerobic conditioning and weight training. This course meets the NCSD #1 Physical Education Standards.	NC	
Recreation Sports	08004G	9-12	1 0.5 @NC		Students will be engaged in an interdisciplinary approach to the local environments. Students may participate in various outdoor related activities such as: fitness walking, mountain biking, fishing, orienteering, archery, rock-climbing as well as camping, backpacking and survival skills, shooting and firearm safety. This course meets the NCSD #1 Physical Education Standards.	NC MW KW WEST	
Weight Training and Conditioning	08005G	9-12 $5 for T-shirt @RHS	1	Physical Education	Fitness/Conditioning Activities courses emphasize conditioning activities that help develop muscular strength, flexibility, and cardiovascular fitness. This course meets the NCSD #1 Physical Education Standard.	KW MW RHS	
Weight Training and Conditioning (Girls)	08005G	9-12	0.5		Fitness/Conditioning Activities courses emphasize conditioning activities that help develop muscular strength, flexibility, and cardiovascular fitness. This course meets the NCSD #1 Physical Education Standard.	NC	
Weight Training and Conditioning (BOYS)	08009G	9-12	0.5		Weight Training courses emphasize conditioning activities that help develop muscular strength, flexibility, and cardiovascular fitness. This course meets the NCSD #1 Physical Education Standards.	NC	
Aquatics/Water Sports I	08010G	9-12	1 0.5 @NC	Freshman Physical Education at NC	Aquatic/Water Sports courses help students develop skills useful or necessary in an aquatic environment. They may focus on swimming and competitive	KW NC	

				Intermediate swim skills required	strokes, such as freestyle, breaststroke, butterfly, and so on or may involve team-oriented water sports such as water polo and relay swimming. These courses may also include (or concentrate exclusively on) diving and/or lifesaving skills. This course meets the NCSD #1 Physical Education Standards. This class may be repeated for credit.		
Aquatics/Water Sports II (ADVANCED @ KW)	08010G	9-12	1	Must have teacher permission to enroll	Aquatic/Water Sports II continues to build on the content and skills addressed in Aquatics/Water Sports I.	KW	
Aquatics/Water Sports III (ADVANCED @ KW)	08010G	10-12	1	Must have teacher permission to enroll	Aquatic/Water Sports III continues to build on content & skills addressed in Aquatics/Water Sports II.	KW	
Specific Sports Activities `	08013G	10-12	1 @ KW 0.5 @ NC	Physical Education; fee varies @ KW; $100 fee @ NC	This class is designed to familiarize the student with various lifetime sports such as tennis, golf, racquetball, wallyball, skating, bowling and outdoor ed. Meets the NCSD #1 Physical Education Standards. May be repeated for elective credit.	KW NC	
Yoga		10-12		1	The students are introduced to foundational postures, breathing techniques and relaxation methods of yoga. Students will develop mind/body awareness, self-regulation and physical fitness. Other aspects include the benefits of increased mobility and breathing freely as they relieve built up stress, learn to relax and ultimately get more out of day-to-day life. The aim of this course is to provide students with lifelong skills through physical and social emotional learning.	KW WEST	
Medical Terminology	08099G	10-12	1	Biology - can be taken concurrently	This is a course for students interested in medical careers to investigate the core topics associated in all health care professions. These topics include but are not limited to ethics, medical careers, medical terminology, introduction to anatomy and physiology, infectious diseases, safety, medical math and human development.	RHS	

R.O.T.C

COURSE	SCED#	GRADE LEVEL	CREDIT	PREREQUISITE	COURSE DESCRIPTION	LOCATION	OPPORTUNITIES

Military JR ROTC	09002G	9-12	1		The Army Junior Reserve Officer Training Corps (JROTC) is a program offered to high schools that teaches students (Cadets) character education, student achievement, wellness, leadership, and diversity. Collectively, these lessons motivate students (Cadets) to be better citizens. In addition to promoting citizenship, JROTC also prepares students (Cadets) for college. Junior ROTC is available to all students.	NC	For CVE
ROTC Drill	09003G	9-12	1	Concurrent enrollment in Military JR ROTC	Reserve Officer Training Corps (ROTC) Drill courses provide students with an additional opportunity to improve their skills in military precision. These courses emphasize marching style and formations, firearm manipulation, body coordination and mechanics, and performing as a member of an orchestrated team. Introduction to Drill and Ceremonies, their history and purpose. The precision and timing of drill to promote skill, teamwork, and discipline. Students will be introduced to roles of leaders and their followers in drill and they will examine how leaders use their leadership skills to prepare themselves for taking charge during drill. Students will implement leadership skills in developing and performing exhibition and regulation drill during competitions and demonstrations for JROTC and civic functions.	NC	For CVE
MARINE JR ROTC (LE-I)	09201G	9-12	1		The Marine Junior ROTC program is a program that teaches high school students (cadets) character education, student achievement, wellness, leadership, and diversity. Collectively, these lessons motivate students (cadets) to be better citizens. In addition to promoting citizenship, MCJROTC also prepares students for college.	KW	For CVE
MARINE CORPS JROTC LEADERSHIP EDUCATION II	09202	10-12	1	Marine Corps JROTC LE I	The second year continues the leadership and citizenship classes of LE-I. During LE-II the students receive instruction in General Military Subjects with more structure and tradition than in LE-I, as well as the introduction of civilian marksmanship training and land navigation training with the map and compass. This year also provides additional learning experiences in personal growth and responsibility, as well as citizenship.	KW	For CVE
LEADERSHIP EDUCATION III	09203	11-12	1	Marine Corps JROTC LE II	In LE-III, cadets will begin to use their leadership training as they assume positions of increased authority and responsibility within the program. In this year also, detailed instruction on personal	KW	For CVE

					finances is presented, as well as other preparation for life beyond high school.		
LEADERSHIP EDUCATION IV	09204G	12	1	Marine Corps JROTC LE III	LE-4 is a year when cadets really bring together all their previous learning experiences in the MCJROTC program. Senior cadets will conduct formations and inspections, as well as supervise certain training events with younger cadets. LE-4 cadets continued to be challenged academically with requirements for research projects and independent studies and progress reports.	KW	For CVE
MARINE CORPS JROTC RIFLE	09999G	9-12	1	Concurrent enrollment in Marine Corps JROTC LE1- IV	The purpose of this unit is to introduce firearms safe handling procedures while teaching the fundamentals of marksmanship using the 10-meter 3-position marksmanship program for skill development. Cadets will first be taught the safe handling procedures for firearms that are universal for safe handling of all firearms both in school and in everyday handling of firearms. Cadets will learn the five fundamentals of marksmanship to develop proficiency in air rifle firing. Cadets will learn how to properly adjust their sights and how to use firing data to develop consistency throughout the course of fire. As the cadets progress through the unit they will learn the intricacies of all three firing positions and through skill development and practice, will qualify on the air rifle per Marine Corps standards. Cadets will also compete in postal computations against school teams from all over the United States.	KW	For CVE
MARINE CORPS JROTC DRILL	09003G	9-12	1	Concurrent enrollment in Marine Corps JROTC LE1- IV	Reserve Officer Training Corps (ROTC) Drill courses provide students with an additional opportunity to improve their skills in military precision. These courses emphasize marching style and formations, firearm manipulation, body coordination and mechanics, and performing as a member of an orchestrated team. Introduction to Drill and Ceremonies, their history and purpose. The precision and timing of drill to promote skill, teamwork, and discipline. Students will be introduced to the roles of leaders and their followers in drill and they will examine how leaders use their leadership skills to prepare themselves for taking charge during drill. Students will implement leadership skills in developing and performing exhibition and regulation drill during competitions and demonstrations for JROTC and civic functions. This also includes Color Guards for community relations.	KW	For CVE

SCIENCE

COURSE	SCED#	GRADE LEVEL	CREDIT	PREREQUISITE	COURSE DESCRIPTION	LOCATION	OPPORTUNITIES
Physical Science A	03159E	9	1	Algebra I Or Pre-Algebra with B or Higher	Students will apply science and engineering practices to explain in-depth phenomena central to the physical sciences, such as, motion of large objects, momentum, energy, the Big Bang Theory, atomic structure and interactions of non-contact forces.	NC KW	Hathaway NCAA AD
Physical Science	03159G	9	1		Students will apply science and engineering practices to explain in-depth phenomena central to the physical sciences, such as, motion of large objects, momentum, energy, the Big Bang Theory, atomic structure and interactions of non-contact forces.	NC KW MW RHS	Hathaway NCAA
Scientific Research & Design I	03212G	10-12	1	Physical Science	Scientific Research and Design courses, students conceive of, design, and complete at least one project using scientific inquiry and experimentation methodologies. Content emphasis is on biology and chemistry.	MW	Hathaway
Scientific Research & Design I A	03212E	10-11 @ NC	1	Physical Science A or teacher recommendation	Scientific Research and Design Advanced students conceive of, design, and complete multiple projects using scientific inquiry and experimentation methodologies. The content emphasizes Biology and Chemistry and is a Pre-IB course @ NC.	NC	Hathaway NCAA AD
Biology	03051G	10-12	1		Biology courses are designed to provide information regarding the fundamental concepts of life and life processes. These courses include biochemistry, ecology, evolution, genetics, cell structure and function.	NC KW MW RHS	Hathaway NCAA
Biology A	03051E	10-11	1	Instructor Permission	Biology A courses are designed to provide information regarding the fundamental concepts of life and life processes. These courses include biochemistry, ecology, evolution, genetics, cell structure and function. Students must exhibit excellent reading, writing, and study skills.	NC KW	Hathaway NCAA AD

Biomedical Science	14255G	10-11	1		Biomedical science focuses on the study of living organisms with an emphasis on human biology. Students study how to maintain and promote health in living organisms as well as investigate treatment of injuries and disease. This course is designed to lay the scientific foundation for subsequent medical courses such as Nursing, Medical Terminology, Health Occupations, and Pharmacy.	NC	HATHAWAY NCAA
Biotechnology I Advanced (Biology)	14252E	10-11	1		Biotechnology Advanced courses are designed to provide students concepts regarding the fundamental concepts of life and life processes and how technology can change the world. Students will be expected to work in small groups to solve real problems.	KW	HATHAWAY NCAA **AD**
Chemistry	03101G	10-12	1	Algebra II or concurrent enrollment,	Chemistry courses involve studying the composition, properties, and reactions of substances, chemical formulas, equations and nuclear reactions are also studied.	NC KW KW WEST MW	HATHAWAY NCAA
Chemistry Advanced	03101E	10-12	1	Algebra II	Chemistry A courses involve studying the composition, properties, and reactions of substances, chemical formulas, equations and nuclear reactions are also studied. Students are expected to conduct independent research on some of the topics.	KW	HATHAWAY NCAA **AD, HN**
Chemistry- Advanced Studies A (Chem II)	03102E	11-12	1	Chemistry I	Usually taken after a comprehensive initial study of chemistry, Chemistry—Advanced Studies courses cover chemical properties and interactions in more detail.	KW	HATHAWAY NCAA **AD**
Forensic Science	03202G	10-12	1	Physical Science and Biology	Forensics science courses introduce students to crime scene investigations and the techniques used to solve crimes. The courses uses all fields of science as they apply to certain situations.	KW MW RHS	HATHAWAY NCAA

Environmental Science	03003G	11-12	1	Two science courses	An introductory Environmental Course offering how humans interact with their environment. Concepts will include ecological interactions, biomes, human population and its effect on the environment, energy resources and analyzing specific ecological problems.	KW WEST KW MW RHS NC	HATHAWAY NCAA
IB Environmental Systems and Society	03208H	11-12	1		IB Environmental Systems courses prepare students to take the International Baccalaureate Environmental Systems exam by providing them with the knowledge, methods, and techniques to understand the nature and functioning of natural systems, the relationships that affect environmental equilibrium, and human impact on the biosphere. Topics also include ecosystem integrity and sustainability, students' own relationships to the environment, and the nature of internationalism in resolving major environmental issues. This is considered an interdisciplinary course.	NC	HATHAWAY BOCES HA, HN
Astronomy A	03004E	11-12	1	Algebra I and Biology or Chemistry	Astronomy courses offer students the opportunity to study the solar system, stars, galaxies, and interstellar bodies. These courses usually introduce and use astronomical instruments and typically explore theories regarding the origin and evolution of the universe, space, and time.	NC WEST KW WEST	HATHAWAY BOCES **HA, AD**
Anatomy & Physiology	03053G	11-12	1	Biology @KWHS Biology 1A and Chemistry 1A	Anatomy and Physiology is offered to students to understand the structure of the human body and its functions. Students learn anatomical terminology, cells, tissues, organs and functional systems.	KW MW RHS NC WEST	HATHAWAY NCAA
Anatomy & Physiology Advanced	03053E	11-12	1	Biology, Chemistry or Topics in Biology	Anatomy and Physiology Advanced is offered to students who want a greater understanding of the structure and function of the human body. Students will be expected to learn and demonstrate laboratory skills including dissections of organs and small mammals.	NC	HATHAWAY NCAA

Anatomy & Physiology H	03053H	11-12	1	Biology 1A and Chemistry 1A	Anatomy and Physiology Honors is offered to students who want a greater understanding of the structure and function of the human body. Students will be expected to learn and demonstrate laboratory skills including dissections of organs and small mammals. Students will be expected to demonstrate student directed college-level laboratory experiments.	KW	HN
AP Biology H	03056H	11-12	1	Biology 1 A or concurrent enrollment in Chemistry 1A	This course is designed to parallel college- level introductory biology courses. AP Biology courses stress relationships among major biological concepts and themes. AP Biology courses include student directed college-level laboratory experiments.	KW	HA, HN
IB Biology I H	03057H	11	1	Scientific Research and Design, B or better in Biology I A or teacher recommendation	IB Biology courses prepare students to take the International Baccalaureate Biology exams. Students will focus on critical thinking, analysis, evaluation, and generation of scientific information and hypotheses. Laboratory experimentation is an essential component of these courses.	NC	HA, HN
IB Biology II H	03057H	12		IB Biology I or IB Chemistry I or teacher recommendation	Second year of IB Biology. Students will continue their focus on critical thinking, analysis, evaluation, and generation of scientific information and hypotheses. Laboratory experimentation continues to be an essential component of these courses.	NC	HA, HN
AP Chemistry H	03106H	11-12	1	Chemistry I Advanced or Chemistry 2 Advanced	AP Chemistry courses follow high school chemistry. Topics covered may include; chemical bonding; nuclear chemistry; states of matter; and reactions. This class will be required to meet at Casper College once a week with a Chemistry professor during regularly scheduled class time.	KW	HA, HN
Chemistry - Independent Study Advanced	03147E	11-12	1	Chemistry 1 A, Chemistry 2 A or AP Chemistry.	This course will build upon a foundation of Chemistry knowledge to prepare students to work in a chemical laboratory. The class will focus instruction on laboratory safety, and lab preparatory work. Students will complete a Flinn safety course and will prepare labs and solutions for instructors when needed.	KW	AD

IB Chemistry I H	03107H	11-12	1	Scientific Research and Design, B or better in Biology I A or teacher recommendation	IB Chemistry courses prepare students to take the International Baccalaureate Chemistry exams. Students will focus on critical thinking, analysis, evaluation, and generation of scientific information and hypotheses. Laboratory experimentation is an essential component of these courses.	NC	HA, HN
IB Chemistry II H	03107H	12	1	IB Chemistry I H	Second year of IB Chemistry. Students will continue their focus on critical thinking, analysis, evaluation, and generation of scientific information and hypotheses. Laboratory experimentation continues to be an essential component of these courses.	NC	HA, HN
Physics	03151G	11-12	1	Algebra I	This introductory physics course involves the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. This course is concept based with minimal emphasis on mathematical skills.	KW MW	
Physics- Advanced Studies I A	03152E	11-12	1	Algebra II	Usually taken after a comprehensive initial study of physics, Physics—Advanced Studies courses provide instruction in laws of conservation, thermodynamics, and kinetics; wave and particle phenomena; electromagnetic fields; and fluid dynamics.	KW NC	AD
Physics- Advanced Studies II A	03152E	11-12	1	Physics I A	This course is a continuation of Physics I. Students will apply topics learned in Physics I through the research, design and development, implementation and evaluation of devices.	KW	AD
AP Physics C H	03156H	11-12	1	Calculus or concurrent enrollment	AP Physics is a college-level, calculus-based course. Content includes motion, forces, energy, momentum, circular motion, gravitation, and periodic motion. This is a lab-based class.	KW	HA, HN
Conceptual Physics	03161G	11-12	1	Algebra I	Conceptual Physics courses introduce students to energy and motion, electricity, magnetism, heat, the structure of matter, and how matter reacts to materials and forces.	NC	

SOCIAL STUDIES

COURSE	SCED#	GRADE LEVEL	CREDIT	PREREQUISITE	COURSE DESCRIPTION	LOCATION	OPPORTUNITIES
U.S. History--Comprehensive	04101G	9	1		9th Grade U.S. History Comprehensive — this course provides students with the history of the United States, examining time periods from Reconstruction through World War II. These courses typically include a historical overview of government, political, military, scientific, and social developments. It also includes the study of Wyoming history, the Wyoming State Constitution and geography.	KW NC MW RHS	HATHAWAY NCAA
U.S. History--Comprehensive Advanced	04101E	9	1	Recommendation from current Social Studies teacher	This course provides students with the history of the United States, examining time periods from Reconstruction through World War II. These courses typically include a historical overview of government, political, military, scientific, and social developments. It also includes the study of Wyoming history, the Wyoming State Constitution and geography. Major research projects are required each semester.	KW NC	HATHAWAY NCAA AD
Modern U.S. History	04103G	10	1		An exploration and acquisition of a working knowledge of the government, history and economics of the United States in the 20th century.	KW NC MW RHS	HATHAWAY NCAA
Modern U.S. History Advanced	04103E	10	1	Recommendation from current Social Studies teacher	A challenging research oriented study of the government , history, and economics of the United States in the 20th Century. Through the study of both primary and secondary sources, the student will analyze information for its value and quality, which will be then covered in discussions, essays, and tests. Major research projects are required each semester.	KW	HATHAWAY NCAA AD
Modern U.S. History Honors	04103H	10	1		A challenging research oriented study of the government , history, and economics of the United States in the 20th Century. Through the study of both primary and secondary sources, the student will analyze information for its value and quality, which will be then covered in discussions, essays, and tests. Major research projects are required each semester.	NC	HATHAWAY NCAA HN

World History Overview	04051G	11-12	1		Overview courses provide students with an overview of the history of human society from early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. The objective of this course is to learn how the past affects the present and to teach students how to access and interpret information as it relates to today's world through in-depth analysis and critical thinking.	KW NC NC WEST MW RHS	HATHAWAY NCAA
World History Overview Advanced	04051E	11-12	1	Recommendation from current Social Studies teacher	This course provides students with an overview of the history of human society from the early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. The objective of this course is to learn how the past affects the present and to teach students how to access and interpret information as it relates to today's world through in-depth analysis and critical thinking. Collaborative research and cross-curricular connections are required.	KW NC	HATHAWAY NCAA **KW ONLY** **AD**
IB History H	04054H	11	1		The first year of the 2-year IB course leading to the HL exam. This is a BOE course. Students will be expected to use primary sources, to work independently to complete a variety of research projects, and to demonstrate an in-depth understanding of all material. A major research project is required each quarter.	NC	HATHAWAY NCAA **HA, HN**
IB History II H	04054H	12	1	IB History H	The second year of the 2-year IB course leading to the HL exam. Students will explore 20th Century events in depth using a variety of resources both primary and secondary. A major research project is required each quarter. Additional independent study will prepare students to take the AP European History exam.	NC	HATHAWAY NCAA **HA, HN**
AP European History H	04056H	11-12	1	Teacher recommendation	The study of European history from 1450 (High Renaissance) to the present introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. The goals of the AP program in European History are to develop 1) an understanding of some of the principal themes in modern European History, 2) an ability to analyze historical evidence and historical interpretation, and 3) an ability to express historical understanding in writing. The opportunity to take the AP Exam will be available at the end of the course. Light summer reading required.	KW	HATHAWAY NCAA **HA, HN**

AP U.S. Government and Politics H	04157H	11-12	1	Teacher recommendation	Following the College Board's suggested curriculum designed to parallel college-level U.S. Government and Politics courses. These courses provide students with an analytical perspective on government and politics in the United States, involving both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. The courses generally cover the constitutional underpinnings of the U.S. government, political beliefs and behaviors, political parties and interest groups, the institutions and policy processes of national government, and civil rights and liberties. Light summer reading required.	KW	HA, HN
AP U.S. History H	04104H	10-12	1	Teacher recommendation	This advanced placement course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in U.S. history. The program prepares students for intermediate and advanced college courses. Students should learn to assess historical materials - their relevance to a given interpretive problem, their reliability, and their importance - and to weigh the evidence and interpretations presented in historical scholarship. This course is a comprehensive study of American History from the arrival of European Explorers in the 15th century to the present. The opportunity to take the AP Exam will be available at the end of the course. Light summer reading required.	KW	HA, HN
Contemporary World Issues	04064G	11-12	1 (elective credit only)		Contemporary World Issues courses enable students to study political, economic, and social issues facing the world. These courses may focus on current issues, examine selected issues throughout the 20th century, and look at historical causes or possible solutions.	RHS	
World Area Studies/Africa	04061G	9-12	0.5 (elective credit only)		This course offers a survey of the history of Africa from ancient civilizations to modern times. This course includes the study of human beginnings, ancient kingdoms, Islamic influences and the Ottoman Empire, colonization and nationalism, and the ever-changing political climate of the continent.	NC	
World Area Studies/Asia	04061G	9-12	0.5 (elective credit only)		This course offers a survey of the history of Asia from ancient civilizations to modern times. This course focuses on the study of India, China, Japan, and may include other areas of interest. Literacy skills will be a focus through the use of historical analysis.	NC	

Part Topics--U.S. Government	04152G	10-12@NC 9-12@RHS	1	Credit recovery for U.S. History and/or students new to the district	This elective course can be taken to replace credit lost at the 9th grade level or for students who wish to focus on the political science and economic aspects of our society. Students in this course will study federal, state and local government.	NC RHS	
Contemporary U.S. Issues - Holocaust	04106G	10-12	1 (elective credit only)		This is a survey class of the literature and history of the Holocaust and related topics. Students will study the history of the Jews, Nazi Germany, the literature that developed during that period of time, present day racism, denial of the Holocaust and political problems of Israel. Requirements will include a research paper and final oral project. Students who are self-motivated and possess self-discipline will succeed.	KW RHS	
Psychology	04254G	11-12 10-12@NC	1 (elective credit only)		This course provides students with a basic understanding and introduction to the field of psychology – a science within the Social Sciences that investigates the numerous influences on human behavior and mental processes. Students will participate in a wide variety of classroom activities that allow them to study topics such as: History of Psychology, Scientific Method & Research Methods, Neuroscience, Nature/Nurture Debate, Sensation & Perception, States of Consciousness, Learning, Memory, Cognition, Intelligence & Language, Psychological Disorders & Treatments, and Social Psychology.	KW NC MW	
AP Psychology H	04256H	11-12	1 (elective credit only)		This is an accelerated course to prepare students for college level work, critical thinking skills, and a deeper understanding of the numerous influences on human and animal behavior and mental processes. All students will be prepared to successfully pass the AP Psychology Exam in May 2017. Using a wide variety of classroom activities, the following topics will be studied: History of Psychology, Scientific Method & Research Methods, Neuroscience, Nature/Nurture Debate, Sensation & Perception, States of Consciousness, Learning, Memory, Cognition, Intelligence & Language, Psychological Disorders & Treatments, and Social Psychology.	KW	**HA, HN**
IB Psychology H	04257H	11-12	1 (elective credit only)		This course is a detailed overview of the scientific study of behavior and mental processes of humans and animals. Students will study behavior and thought through various perspectives and levels of analysis. Topics include but are	NC	

					not limited to: development of the discipline, research methods, neuroscience, sensation, perception, cognition, sociocultural psychology, development, motivation,emotion, personality, mental disorders, and treatment.		NCAA **HA, HN**
IB Psychology II H	04257H	12	1 (elective credit only)	IB Psychology	IB psychology takes a holistic approach that fosters intercultural understanding and respect. In the core of the IB psychology course, the biological level of analysis demonstrates what all humans share, whereas the cognitive and sociocultural levels of analysis reveal the immense diversity of influences that produce human behavior and mental processes. Cultural diversity is explored and students are encouraged to develop empathy for the feelings, needs and lives of others within and outside their own culture. This empathy contributes to an international understanding.	NC	HATHAWAY NCAA **HA, HN**
Sociology	04258G	11-12 10-12 @NC	1 (elective credit only)		This course provides the student an opportunity to learn and investigate how the social situation and social world significantly influences human behavior. Students will gain a basic level of understanding about social groups and group behaviors - An introduction to the ways in which sociologists research, describe, explain, and predict social behaviors and events. Students will be engaged through a wide variety of classroom activities, which allow for thoughtful study and discussion of social behaviors in the past, present, & future.	KW RHS NC MW	HATHAWAY NCAA
Sociology Advanced	04258E	11-12	1 (elective credit only)	Teacher recommendation	This is an accelerated course to prepare students for college level work, critical thinking skills, and a deeper understanding of social behavior. This course is designed for students who want to know more about social groups and group behavior. It is an introduction to the ways in which sociologists describe and explain our society. Course activities included interactive labs, guest speakers, observations, surveys, interviews, reading and discussion. Advanced social skills, commitment, and desire to better understand the complexities of social behavior and communication are required. Students will also attempt to replicate a simple Sociological Investigation/Experiment and develop a formal report to share with the class.	KW	HATHAWAY NCAA **AD**

Philosophy	04306G	10-12	1 (elective credit only)		Philosophy courses introduce students to the discipline of philosophy as a way to analyze the principles underlying conduct, thought, knowledge, and the nature of the universe. Course content typically includes examination of the major philosophers and their writings.	KW	HATHAWAY NCAA
IB World Religions H	07002H	11-12	1 (elective credit only)		This course examines the nature and language of religions as they impact culture and history. Students will objectively study a variety of religious perspectives and theories.	NC	HATHAWAY NCAA HA, HN
US and Wyoming Government	04105H	12	1 (3 CC credits)		This course explores the organization and nature of the American national government and Wyoming state government and their constitutional development. This course is concurrent with POLS 1000 and satisfies the statutory requirement for instruction in the constitutions of the United States and Wyoming.	NC	HATHAWAY BOCES NCAA HA, HN
American & Wyoming Government: The Citizen and the Constitution	04161G	11-12	1		Fundamental introductory course which meets the requirements of the Wyoming statutes providing instruction in the provisions and principles of the constitutions of the United States and Wyoming. It offers high school students a course of instruction on the history and principles of our constitutional, representative democracy, critical thinking exercises, problem-solving activities, and cooperative-learning opportunities help develop students' intellectual and participatory skills and fosters attitudes needed to participate as effective, responsible citizens. Students will engage in lecture, discussion, debate and a group learning opportunity that will culminate in competing at the We the People Congressional District Qualifier. The top 6 teams will compete in Cheyenne and the state winner will compete at the national competition in Washington D.C. 3 hours lecture	NC	HATHAWAY

MISCELLANEOUS

COURSE	SCED#	GRADE LEVEL	CREDIT	PREREQUISITE	COURSE DESCRIPTION	LOCATION	OPPORTUNITIES
Care of Athletes 1	14062G	10-12	1		Care of Athletes courses provide students with the knowledge and skills to understand and perform	KW	

					therapeutic tasks that would be designated by an athletic or fitness trainer. Topics covered may include taping and bandaging, proper use of protective padding, treatment modalities, anatomy and physiology, and medical terminology.	NC	
Drivers Education	08152G	9-12	0.5	Must have a learner's permit before class starts; $175 course fee	Drivers' Education—Classroom and Laboratory courses provide students with the knowledge and experience to become safe drivers on America's roadways. Topics in these courses cover legal obligations and responsibility, rules of the road and traffic procedures, safe driving strategies and practices, and the physical and mental factors affecting the driver's capability (including alcohol and other drugs). Experience in driving a vehicle is an essential component of these courses.	KW WEST NC	
Student Aide	22995	9-12	0.25 (up to 0.5)		This course allows students the opportunity to help in the school office, library or for teachers. Duties are nonconfidential simple tasks such as running passes, alphabetizing, sorting mail, organizing classrooms, reshelving books, etc. (Up to half the credit of a regular class can be earned.)	KW MW	
Health	08051	9-12	0.5		This course is a valuable, skills-based health education course designed for general education in grades 9 through 12. Health helps students develop knowledge, attitudes, and essential skills in a variety of health-related subjects, including mental and emotional health, social health, nutrition, physical fitness, substance Use and abuse, disease prevention and treatment, and injury prevention and safety.	NC	
Study Lab	22999	9-12	No Credit		This course provides students with the opportunity and time to complete classroom assignments or school projects. Students typically work on their own, but they are supervised and usually remain in the classroom.	KW	

Critical Thinking Honors	04307H	11-12	1	Instructor Permission	Critical Thinking aims to stimulate critical self-reflection of students' knowledge and experiences, and will examine philosophical questions regarding the nature of knowledge. Course content generates questions regarding the basis of knowledge and their verification in academic disciplines with an awareness of moral, political, and aesthetic judgments and biases. Students learn to appreciate the strengths and limitations of various types of knowledge; to relate studied subjects to one another; general knowledge and living experiences; to formulate rational arguments; and to evaluate the role of language in knowledge and as a way to convey knowledge.	KW	**HN**
Intro to Communication (Film/TV)	11001G	10-12	1 (elective only)	English II OR Teacher Permission This will be co-taught by a language arts and history teacher. *If a student signs up for this course they MUST sign up for Film/TV I, II, or III at KW-West as a companion course.	Introduction to Communication courses enable students to understand and critically evaluate the role of media in society. Film and Television is an introductory survey course. As an English elective, this course is designed to present students with a dynamic background of cinema and modern television, which may be developed further in an advanced film class or at the postsecondary level. This course also has an emphasis in history and cultural geography, and as such will analyze and interpret the historical, geographical, social, and cultural importance of film and television, as well as individual films and series, from their inception up to the present day. Up to 18 genres comprise the content of this class; however, other genres may develop/unfold through discussions and research.	KW WEST	
IB Theory of Knowledge--Juniors	04304H	11	1		IB Theory of Knowledge aims to stimulate critical self-reflection of students' knowledge and experiences. Course content generates questions regarding the basis of knowledge and their verification in academic disciplines with an awareness of moral, political, and aesthetic judgments and biases. Students learn to appreciate the strengths and limitations of various kinds of knowledge; to relate studied subjects to one another, general knowledge, and living experiences; to formulate rational arguments; and to evaluate the role of language in knowledge and as a way to convey knowledge. Students will also work on their extended essay during this course. This class is required of all IB diploma candidates.	NC	HATHAWAY **HA, HN**

IB Theory of Knowledge--Seniors	04304H	12	1		A continuation of the Junior TOK Course. This course is required of all IB Diploma Candidates. The Senior Course also focuses on an essay and a presentation, which are the required assessments for TOK.	NC	HA, HN
Tutoring Practicum I	22054G		1	Teacher Recommendation	Tutoring Practicum courses provide students with the opportunity to offer tutorial assistance to their peers or to younger students. After an initial training period during which students learn how to work with other students and how to make use of the available resources (e.g., staff, written material, audiovisual aids, and so on), students engage in tutoring and assisting others who need or request help.	KW NC	
Leadership	22101G	11-12 9-12 @KW	1 @KW 0.5 @NC		Leadership courses are designed to strengthen students' personal and group leadership skills.These courses may cover such topics as public speaking, effective communication, human relations, parliamentary law and procedures, organization and management, and group dynamics within the personal, local community and international realms. This course can be taken multiple times for credit.	KW NC	
Ethics for Professional and Public Service	04307G	9-10	0.5		This course will analyze and evaluate values and characteristics of leadership in professional and public settings. Students will use class discussions, group assignments and self-reflection to work through values, case studies, and short biographies in regard to leadership. The case studies will allow students to tackle ethical dilemmas faced by either professional or public officials in the performance of their duties. The value of service will also be modeled in a variety of school and community service projects.	NC	
Internship (Early Childhood Independent Study)	22152G	9-12	1.0	Must have a child in the Roosevelt Care Center	The Independent Study in Early Childhood Education is intended to provide students with authentic work experience in a variety of early childhood settings. This experience allows them to have firsthand knowledge of what it means to care for young children and provide RHS students with exposure to all types of programs for children from infancy through Pre-K.	RHS	
Literacy and Thinking Strategies	22003	9-12	1.0 Pass/ Fail		This course is geared toward, but not limited to, students who may demonstrate a gap in reading comprehension or literacy strategies and will help improve learning across all content areas.The focus of the course is over thinking	KW	

					strategies, reading a variety of texts, and critical thinking skills in order to build student success through high school and beyond.		
ELL Tutorial	22005G	9-12	1		This is a class that helps ELL students apply English speaking skills across all content areas	KW	

SPECIAL EDUCATION

COURSE	SCED#	GRADE LEVEL	CREDIT	PREREQUISITE	COURSE DESCRIPTION	LOCATION	OPPORTUNITIES
English/Lang. Arts I B	01001B	9	1		This modified curriculum course concentrates on building basic reading and writing skills needed for independent living. Students will work through a research-based program, while increasing their reading, writing, and comprehension. While this course grants Carnegie credit needed for graduation for the requirement of a general elective in regards to a high school diploma, it does NOT meet the proficiency requirements for ELA for a high school diploma. It may fulfill a requirement for a high school certificate of completion..		
English/Lang. Arts II B	01002B	10	1		This modified curriculum course concentrates on building basic reading and writing skills needed for independent living. Students will work through a research-based program, while increasing their reading, writing, and comprehension. While this course grants Carnegie credit needed for graduation for the requirement of a general elective in regards to a high school diploma, it does NOT meet the proficiency requirements for ELA for a high school diploma. It may fulfill a requirement for a high school certificate of completion..		
English/Lang. Arts III B	01003B	11	1		This modified curriculum course concentrates on building basic reading and writing skills needed for independent living. Students will work through a research-based program, while increasing their reading, writing,		

					and comprehension. While this course grants Carnegie credit needed for graduation for the requirement of a general elective in regards to a high school diploma, it does NOT meet the proficiency requirements for ELA for a high school diploma. It may fulfill a requirement for a high school certificate of completion.. .		
English/Lang. Arts IV B	01004B	12	1		This modified curriculum course concentrates on building basic reading and writing skills needed for independent living. Students will work through a research-based program, while increasing their reading, writing, and comprehension. While this course grants Carnegie credit needed for graduation for the requirement of a general elective in regards to a high school diploma, it does NOT meet the proficiency requirements for ELA for a high school diploma. It may fulfill a requirement for a high school certificate of completion..		
Language Arts Lab I B	01009B	9-12	1		This pull-out class provides group and individual instruction in academic areas of reading and language, through functional, independent living skills and a modified curriculum. Students working in this class are working toward individualized IEP goals and are working on alternate assessments.		
Corrective Reading I B	01068B	9-12	1		Remedial class designed to improve reading skills. Students' reading ability will be assessed to find their areas of difficulty. Based on the assessment results, students will be placed in a specially designed program to meet their reading needs. Students will be required to read material of their choice outside the class.		
Pt Topics in Found Math I B	02003B	9	1		This modified curriculum course concentrates on basic math skills as well as the math calculation skills needed for independent living and employment. Students work to increase skills listed in the state standards. While this course grants Carnegie credit needed for graduation for the requirement of a general elective in regards to a high school diploma, it does NOT meet the proficiency requirements for Math for a high school diploma. It may fulfill a requirement for a high school certificate of completion.		
Pt Topics in Found Math II B	02003B	10	1		This modified curriculum course concentrates on basic math skills as well as the math calculation skills needed for independent living and employment. Students work to increase skills listed in the state standards. While this course grants Carnegie credit needed for		

					graduation for the requirement of a general elective in regards to a high school diploma, it does NOT meet the proficiency requirements for Math for a high school diploma. It may fulfill a requirement for a high school certificate of completion..		
Pt Topics in Found Math III B	02003B	11	1		This modified curriculum course concentrates on basic math skills as well as the math calculation skills needed for independent living and employment. Students work to increase skills listed in the state standards. While this course grants Carnegie credit needed for graduation for the requirement of a general elective in regards to a high school diploma, it does NOT meet the proficiency requirements for Math for a high school diploma. It may fulfill a requirement for a high school certificate of completion..While this course grants Carnegie credit needed for graduation, it does NOT meet proficiency requirements.		
Pt Topics in Found Math IV B	02003B	12	1		This modified curriculum course concentrates on basic math skills as well as the math calculation skills needed for independent living and employment. Students work to increase skills listed in the state standards. While this course grants Carnegie credit needed for graduation for the requirement of a general elective in regards to a high school diploma, it does NOT meet the proficiency requirements for Math for a high school diploma. It may fulfill a requirement for a high school certificate of completion..		
Foundation Math-Other IB	02049B	9-12	1		This pull-out class provides group and individual instruction in academic areas of math, through functional, independent living skills and a modified curriculum. Students working in this class are working toward individualized IEP goals and are working on alternate assessments.		
Adapted Physical Education B	08001B	9-12	1		This pull-out class provides small group and individual instruction in physical education skills and modified curriculum. Students working in this class are working toward individualized IEP goals and are working on alternate assessments.		

Study Skills I B, II B, III B, IV B	22003B	9-12	1	SPED	In this strategies-based course, students will learn and apply strategies that will enhance comprehension of core content, to include but not be limited to, the use of universal design, use of technology, use of graphic organizers, research-based comprehension and problem solving strategies. Minimal support and time will be available for homework completion.		
Tutorial B	22005B	9-12	1	SPED	In this strategies-based course, students will learn and apply strategies that will enhance comprehension of core content, to include but not be limited to, the use of universal design, use of technology, use of graphic organizers, research-based comprehension and problem solving strategies. Minimal support and time will be available for homework completion.		
Employability Skills/Gateways B	22152B	9-11	1	SPED	This pull-out class introduces students to career exploration activities and daily living. Students will participate in self-assessment, practice, and classroom simulations as well as some community exploration activities to help them identify future career and personal goals. Students in this course will work under the Career and Technical Education Standards but will not meet proficiency criteria for the CTE content area.		
Community Living B	22251B	9-12	1	SPED	This pull-out class utilizes community and school resources and focuses on the basic functional living skills needed for making the transition from school to daily living.		
Social Develop Instruction B	22253B	9-12	1	SPED	Social Development Instruction courses teach students the social skills needed for independent functioning within the community.		
Misc Independent Study I B	22997B	12+	1	SPED	The ABLE Program is located off campus and provides community based instruction in life skills. It focused on training and community connections in all transition areas; post secondary education, daily living skills/independent living, employment, community participation, and recreation/leisure activities. Students in this program are working under Expanded or Vocational Standards.		
Misc Workplace Exp B	22998B	9-12+	1	SPED	This pull-out class is a community based work experience course providing students the opportunity to develop those skills needed to obtain and maintain employment. Students will attend a job daily to practice employment skills and develop occupational skills that may lead to employment. Job		

					coaching and transportation support are provided as needed. Students will work under the CTE standards but will not meet proficiency criteria for the CTE content area.		

Dual Enrollment Courses

The following courses have been approved as Dual Enrollment courses. These courses are taken on a college campus. The allowance of 'functional equivalent' courses to count toward graduation coursework and credit are approved at the head principal level of the high school. These courses are eligible to qualify as functional equivalents. See Administrative Regulation 6400.

Course Name	**Course ID**	**Approved for Hathaway Success Curriculum**
Agribusiness Management	AGEC*2020	NC
Agribusiness Management	18201G1.0011	
Agriculture Economics I	AGEC*1010	KW
Agriculture Economics I	AGEC*1010	NC
American Sign Language I	ASL*1200	KW, NC, RHS
Anger,Trauma & Addiction	ADDN*1520	
Animal Biology	BIOL*2020	NC
Apparatus and Procedures	FIRE*2560	KW
Art History III	ART*2035	KW
Artificial Insemination	ANSC*1100	NC
ASL III	ASL*2200	KW
Aural Theory I	MUSC*1035	NC
Ballet I	THEA*1410	RHS
Ballet II	DANC*2420	KW
Basic AC/DC Electronics	ELTR*1515	KW, NC
Basic Cabinet Making	CNTK*1630	KW
Basic Chemistry I	CHEM*1005	KW, RHS
Basic Diesel Engines	DESL*1605	KW, NC
Basic Emergency Care	FIRE*1670	KW, NC

Basic Hydraulics	DESL*1850	KW
Basic Self-Defense	PEAC*1041	
Basic Video Productions	CO/M*2190	KW
Beginning Tae Kwon Do	PEAC*1044	
Beginning Tennis	PEAC*1050	
Business Calculus I	MATH*2350	KW, MW, NC
Business Communications	BADM*1020	KW, NC
Business Law I	BADM*2010	KW
Calculus I	MATH*2200	KW, NC
Calculus II	MATH*2205	NC
Calculus III	MATH*2210	KW, NC
Care/Prev Athletic Injuries	PEPR*1052	
Causes and Investigation	FIRE*1550	KW, NC
Ceramics I	ART*2410	KW, NC
Ceramics II	ART*2420	KW
Chamber Orchestra	MUSC*1440	KW, NC
Chemistry I	CHEM*1025	KW
Chemistry II	CHEM*1035	KW
Civil Procedure	LEGL*2500	KW, NC
Class Guitar I	MUSC*1292	NC
Class Piano I	MUSC*1300	NC
CNC Machining Center	MCHT*2780	NC
College Band	MUSC*1378	KW
College Physics I	PHYS*1310	KW, NC
College Success	HMDV*1000	
Collision Damage Repair I	AUBR*1810	NC
Collision Damage Repair II	AUBR*1820	KW
Computer Forensics	CSEC*1530	NC
Computer Information Systems	COSC*1200	KW, NC
Concepts of Physics	PHYS*1050	KW, NC
Cooperative Work Experience	AUTO*2980	RHS
Criminal Investigation	CRMJ*2130	KW
Dance Aerobics	PEAC*1030	

Developmental Psychology	PSYC*2300	KW, NC
Digital Design I	ART*2122	KW
Digital Photo for Art Majors	ART*2245	RHS
Discrete Structures	MATH*2300	KW
Drafting I	ENTK*1510	KW
Drawing	ART*1005	KW, NC
Drawing I	ART*1006	RHS
Drawing I	ART*1050	MW
Drawing I	ART*1006	KW, NC
Drugs and Behavior	PSYC*2210	KW, NC
Earth Science for Elem Educ	GEOL*1070	NC
Earth Science in Elem School	EDCI*1450	NC
Education and the Good Life	SOC*1101	KW, MW, NC
Electrical Power	ELTR*1535	MW
Elementary Linear Algebra	MATH*2250	KW, NC
Emergency Medical Technician	EMT*1500	KW. RHS
Engine System Fundamentals	AUTO*1510	KW, RHS
English I: Composition	ENGL*1010	KW, MW, NC, RHS
English II: Composition	ENGL*1020	KW, MW, NC
Entrepreneurship	BADM*2195	KW, NC
Equine Management	ANSC*1030	NC
Express Fitness	PEAC*2007	
Farm/Ranch Business Records	AGEC*2010	KW, NC
Firefighter Fitness	PEAC*1680	
First Year French I	FREN*1010	KW
First Year French II	FREN*1020	KW
First Year German I	GERM*1010	KW, MW, NC
First Year German II	GERM*1020	KW, NC
First Year Japanese I	JAPN*1010	KW, NC
First Year Russian I	RUSS*1010	KW, NC
First Year Russian II	RUSS*1020	KW, NC
First Year Spanish I	SPAN*1010	KW, NC, RHS
First Year Spanish II	SPAN*1020	NC

Fitness Training	PEAC*1020	
Food and Beverage Services	MGT*2330	KW
Foundation: Color Theory	ART*1130	NC
Foundation: Three-Dimensional	ART*1120	NC
Foundation: Two-Dimensional	ART*1110	KW, NC
Foundations of Education	EDFD*2020	KW
Foundations of Social Work	SOWK*2000	RHS
Fundamentals of Statistics	STAT*2050	KW, NC
Gas Metal Arc Welding (GMAW)	WELD*1770	KW, NC
General Art: Studio	ART*1000	KW
General Biology I	BIOL*1010	KW, MW
General Physics I	PHYS*1110	KW, NC
General Psychology	PSYC*1000	KW, MW, NC , RHS
General Welding	WELD*1700	KW, NC
GMAW & GTAW Welding	WELD*1820	KW, NC
Guitar Ensemble	MUSC*1480	KW, NC
Heavy Duty Electrical System	DESL*1540	KW
History of Graphic Design	ART*1015	NC
History of Wyoming	HIST*1251	NC
Holocaust	HIST*2080	KW, NC
Hotel/Motel Front Office	HOSP*1540	KW, NC, RHS
Human Anatomy	ZOO*2040	KW, MW, NC
Human Anatomy Lab	ZOO*2041	KW, MW, NC
Human Physiology	ZOO*2110	KW, NC
Human Sexuality	PSYC*2200	NC
Independent Elect Apprentice I	ELAP*1515	KW, NC
Infant & Toddler Care Lab	EDEC*1035	KW
Infant and Toddler Care	EDEC*1030	KW
Instrument Pilot Ground School	AVTN*2600	KW, NC
Inter Sign Language	ASL*1220	NC, RHS
Intermediate Bowling	PEAC*2053	
International Business	BUSN*2000	KW
Interpersonal Communication	CO/M*1030	KW, NC, RHS

Intro Cultural Anthropology	ANTH*1200	KW, NC
Intro Engineer Orientation	ES*1000	KW, NC
Intro Health Care & Services	HLTK*1500	KW, NC
Intro Hotel-Motel Mgt Indus	HOSP*1520	KW, NC, RHS
Intro Occupational Therapy	OCTH*2000	NC
Intro Pharmacy Profession	PHTK*1500	NC
Intro to Athletic Training	KIN*1052	NC
Intro to Computer Science	COSC*1010	NC
Intro to Criminal Justice	CRMJ*2120	KW, MW, NC, RHS
Intro to Early Childhood Edu	EDEC*1020	NC
Intro to Early Childhood Edu	EDEC*1020	KW
Intro to Fire Prevention	FIRE*1700	KW
Intro to Human Communication	CO/M*1040	NC
Intro to Management	IMGT*2400	KW
Intro to Meteorology	ATSC*2000	KW, NC
Intro to Paralegal Studies	LEGL*1610	KW, NC
Intro to Physical Education	PEPR*1005	
Intro to Religion	RELI*1000	KW
Intro to Teaching	EDCI*1500	NC
Intro to the Theatre	THEA*1000	KW, NC
Intro to Women's Studies	WMST*1080	KW, NC
Intro Wildland FireFighting	FIRE*1810	KW, NC, RHS
Introduction to Accounting	ACCT*1000	KW, NC
Introduction to Art	ART*1010	KW, NC
Introduction to Aviation	AVTN*1500	NC
Introduction to Biology I	BIOL*1000	KW, MW, RHS
Introduction to Business	BADM*1000	KW, NC
Introduction to Computers	CMAP*1505	NC
Introduction to Construction	CNTK*1700	NC
Introduction to Fire Science	FIRE*1500	KW, NC, RHS
Introduction to Mass Media	CO/M*1000	KW
Introduction to Music	MUSC*1000	RHS
Introduction to Music	MUSC*1000	KW, NC

Introduction to Philosophy	PHIL*1000	KW, NC
Introduction to Sociology	SOC*1000	KW, MW, NC, RHS
Issues Foreign Relations I	POLS*1020	KW, NC
Issues Foreign Relations II	POLS*1030	KW
Jazz Combo	MUSC*1388	KW
Jazz Ensemble I	MUSC*1390	KW, NC
Kickboxing	PEAC*1045	
Law of Evidence	CRMJ*2230	KW
Legal Analysis	LEGL*1700	KW, NC
Legal Research and Writing I	LEGL*1710	NC
Legal Research and Writing II	LEGL*1720	KW, NC
Life Science	LIFE*1020	KW, NC
Life Science in Elem School	EDCI*1430	NC
Lifespan: Adulthood & Aging	PSYC*2360	
Literature for Children	EDEL*2280	NC
Livestock Fitting and Showing	ANSC*1200	NC
Livestock Production I	ANSC*1010	KW
Livestock Production I	ANSC*1010	NC
Machine Tool Technology I	MCHT*1610	KW, NC
Machine Tool Technology II	MCHT*1620	KW, NC
Manual Powertrain Fund	AUTO*1690	KW
Map Use and Analysis	GEOG*2150	NC
Medical Terminology	HLTK*1200	KW, MW, NC, RHS
Men's Choir	MUSC*1408	KW
Mentoring in Education	EDEL*2010	NC
Modern Dance I	THEA*1430	KW
Modern Dance I	PEAC*1430	
Network Security Fundamentals	CSEC*1500	KW
Number/ Oper Elem Teachers	MATH*1100	KW
Nursing Assistant	NRST*1500	KW, NC
Nursing Boot Camp	HLTK*1300	KW
On Course	HMDV*1300	
Outdoor Rec. Guide Outfitting	AGTK*1580	NC

Oxyacetylene Welding/Cutting	WELD*1710	KW
Painting I	ART*2210	KW
Personal Finance	BADM*1030	KW, NC
Phlebotomy Practicum	MLTK*1970	KW
Photography I	ART*1150	KW, NC
Phys Fitness & Wellness	PEAC*2001	
Physical Geology	GEOL*1100	KW, NC
Physical Geology	GEOL*1100	NC
Physical Sci in Elem School	EDCI*1440	NC
Physics III	PHYS*2310	KW
Physics IV	PHYS*2320	KW
Plant and Fungal Biology	BIOL*2023	KW
Politics of Europe	POLS*2200	NC
Practical Accounting I	ACCT*1905	KW, NC
Pre-Calc Algebra & Trig	MATH*1450	KW
Pre-Calculus Algebra	MATH*1400	KW, MW, NC, RHS
Pre-Calculus Trigonometry	MATH*1405	KW, NC
Principles of Accounting I	ACCT*2010	KW, NC
Principles of Management	MGT*2100	KW, NC
Principles of Marketing	MKT*2100	KW, NC
Principles of Nutrition	FCSC*1141	KW
Principles of Phlebotomy	MLTK*1800	KW
Print Reading	WELD*1650	KW
Private Pilot Flight School	AVTN*2520	KW, NC
Private Pilot Ground School	AVTN*2510	KW
Problem Solving	MATH*1000	KW, MW, NC
Programming in Java	COSC*2406	KW
Public Speaking	CO/M*1010	KW, RHS
Public Speaking	CO/M*2010	KW, NC
Public Speaking	CO/M*2020	KW, NC
Quest for American Identity	HUMN*2320	NC
Reporting and News Writing I	CO/M*2100	KW, NC
Robot Construction	ROBO*2161	KW

Robot Welding	ROBO*2690	MW
Robotics Lab View	ROBO*2580	KW
Rock Climbing	PEAC*1287	
Scuba Certification	PEAC*2013	
Sculpture I	ART*2310	KW
Second Year French I	FREN*2030	
Second Year German I	GERM*2030	NC
Second Year Japanese I	JAPN*2030	KW
Second Year Spanish I	SPAN*2030	KW, NC
Shielded Metal Arc Welding	WELD*1755	KW, NC
Social Psychology	PSYC*2380	KW
Sound Reinforcement I	MUSC*2410	KW
Special Topics in Music	MUSC*2490	KW
Stage Make-up	THEA*2160	NC
Stagecraft	THEA*2220	KW
Statics	ES*2110	KW
Statistics Social Sciences	STAT*2070	KW, NC
Strategy and Tactics I	FIRE*1510	KW
Studio Double Bass I	MUSC*1120	KW
Studio Flute I	MUSC*1130	KW
Studio Violin II	MUSC*2250	KW, NC
Studio: Baritone Horn I	MUSC*1080	KW
Studio: Cello I	MUSC*1100	NC
Studio: Clarinet I	MUSC*1110-2	KW, NC
Studio: Clarinet I	MUSC*1110-1	KW, NC
Studio: Clarinet II	MUSC*2110-2	KW
Studio: Double Bass II	MUSC*2120	KW
Studio: Harp	MUSC*1160	NC
Studio: Organ I	MUSC*1180	KW
Studio: Percussion	MUSC*1190	KW, NC
Studio: Piano	MUSC*1073	KW
Studio: Piano I	MUSC*1200-1	KW, NC
Studio: Piano I	MUSC*1200-2	KW, NC

Studio: Saxophone I	MUSC*1210-1	KW, NC
Studio: Saxophone I	MUSC*1210-2	KW
Studio: Trombone I	MUSC*1220	KW, NC
Studio: Trumpet I	MUSC*1230	KW, NC
Studio: Violia I	MUSC*1260	KW, NC
Studio: Violin I	MUSC*1250	KW, NC
Studio: Voice I	MUSC*1270-1	KW, NC
Studio: Voice II	MUSC*1270-2	KW, NC
Sudio: Guitar I	MUSC*1150	KW, NC
Survey of Astronomy	ASTR*1050	KW, MW, NC, RHS
Suspension and Steering	AUTO*2555	KW
Taping & Wrapping Orth Inj	KIN*1020	KW
The Art of Mixing	MUSC*1024	KW, NC
Topic: Invertebrate Paleo	GEOL*2490	KW
Topics: Creativity and Madness	PSYC*2490	KW
Tourism Management	HOSP*2530	NC
United States to 1865	HIST*1211	KW, NC
US and Wyoming Government	POLS*1000	KW, MW, NC, RHS
Water Dirt Earth's Environment	ENR*1500	KW, NC
Web Page Design	INET*1590	NC
Western Civilization I	HIST*1110	KW, MW, NC
Western Civilization II	HIST*1120	NC
Windows I	CMAP*1610	MW
Woodwind Ensemble	MUSC*1470	KW
Woodworking Fundamentals	CNTK*1860	KW
Word Processing	CMAP*1715	NC
World Regional Geography	GEOG*1000	KW, RHS
World Religion Geography	GEOG*1000	NC
Written Theory I	MUSC*1030	NC
Yoga	PEAC*1294	

Nondiscrimination Policy

The Natrona County School District No. 1 does not discriminate on the basis of religion, race, color, national origin, sex, age or disability in employment, treatment, admission or access to educational programs and activities. Questions, complaints, or requests for additional information regarding these laws may be forwarded to the designated compliance coordinator(s).

The following person(s) have been designated to handle inquiries regarding the Non-Discrimination Policies of Natrona County School District.

504 Coordinator - Ted Hanson, 970 N. Glenn Rd., Casper, WY 82601, or (307) 253-5445, theodore_hanson@natronaschools.org

Title IX Coordinator - Verba Echols, 970 N. Glenn Rd., Casper, WY 82601, or (307) 253-5445,
verba_echols@natronaschools.org

Grievance Procedure

Students, parents of students and employees have the right to file a formal complaint alleging noncompliance with regulations outlined in Title VI of the 1964 Civil Rights Act, Title IX of the Education Amendments of 1972, and Section 504 of the Rehabilitation Act of 1973.

Level One—Principal or Immediate Supervisor (Informal and Optional—may be bypassed by the grievant)—Employees with a grievance of discrimination on the basis of sex, race, national origin or disability concerning student activities may first discuss it with their Principal or Immediate Supervisor, with the objective of resolving the matter informally. A student or parent with a complaint of discrimination on the basis of sex, race, national origin or disability concerning student activities may discuss it with the teacher, counselor or building administrator involved.

Level Two—If the grievance is not resolved at level one and the grievant wishes to pursue the grievance, they may formalize it by filing a complaint with the Associate Superintendent for Human Resources or designee. The complaint shall state the nature of the grievance and the remedy requested. The filing of the formal complaint at level two must be within twenty (20) working days from the date of the

event giving rise to the grievance or from the date grievant could reasonably become aware of such occurrence. The grievant may request that a meeting concerning the complaint be held with the Associate Superintendent for Human Resources or designee who shall investigate the complaint and attempt to resolve it. A written report regarding action taken will be sent within fifteen (15) working days after receipt of the complaint.

Level Three—Superintendent—If the complaint is not resolved at level two, the grievant may proceed to level three by presenting a written appeal to the Superintendent within ten (10) working days after the grievant received the report from the Associate Superintendent for Human Resources or designee. The grievant may request a meeting with the Superintendent of his/her designee. The Superintendent or his/her designee has the option of meeting with the grievant to discuss the appeal. The Superintendent or his/her designee will render a decision within ten (10) working days after receiving the written appeal.

Level Four—Board of Trustees—If the complaint is not resolved at level three, the grievant may proceed to level four by presenting a written appeal to the Chairman of the Board of Trustees with ten (10) working days after the grievant received the report from the Superintendent. The grievant may request a meeting with the Board of Trustees to discuss the appeal. A decision will be rendered by the Board of Trustees at the next regularly scheduled meeting. The grievant will be notified in writing of the decision within ten (10) working days after the Board of Trustees action.

This procedure in no way denies the right of the grievant to file formal complaints with the Office for Civil Rights, or other agencies available for mediation or rectification of grievances, or to seek private counsel for complaints alleging discrimination. For all other harassment or discriminatory complaints, follow board policies.

Disclosure to Parents/Guardians of 18 Year Old Students

It is our obligation to inform you about a federal law concerning the Family Educational Rights and Privacy Act (FERPA) that directly affects you and your child when they reach the age of 18. It is a federal regulation that no parent or guardian, whether custodial or noncustodial, be contacted by schools regarding educational information without the written consent of the student who has reached the age of 18. A release form is available in both the Main Office and Counseling Office. After students turn 18, without this form we may not share information on grades, attendance, behavior, or any other pertinent educational information.