

Capital High School



2023-2024

Freshman Registration Guide

Table of Contents

Purpose of Registration Guide	3
Graduation Requirements	3
Course Request Information	4-5
Honors & Advanced Placement Courses	6
Dual Credit Opportunities	7-8
Pre-Apprentice Program	9
B.E.A.R. Award	10
HEF Distinguished Scholars Award	11
National Honor Society	11
English (1000)	12
Social Studies (2000)	13
Mathematics (3000)	14-15
Science (4000)	16-17
World Languages (5000)	18-19
Fine Arts (6000)	20-22
Art, Photography, Video, Music, and Drama	
Career and Technical Education (7000)	23-26
Industrial Technology, Business Education, Marketing Education, Family & Consumer Sciences, Biomedical Sciences, and Health Careers	
Specialized Courses	27
Human Performance and Health Enhancement (9000)	28
<u>STUDENT RESOURCES</u>	
Counseling Department	29
College and Career Center	29
Planning Your Graduation Worksheet	30

Purpose of Registration Guide

To Our Capital High School Students, Parents and Guardians:

This booklet is designed to help our students and their parents select proper courses for the coming year. Please read it carefully. Students should talk over concerns with their parents/guardians, counselors, and teachers. It is important students select courses in the fields of their aptitudes, interests, and capabilities. The courses that are selected now will, in large measure, determine what students will do later. Students who plan on going to college should take courses to meet the general requirements for specific colleges or universities of their choice.

The enrollment of Capital High School for the year **2023-2024** will be over 1450 students in grades 9, 10, 11, and 12. It is necessary that all students intending to attend next school year complete their registration on time to secure the necessary teachers, order supplies, create a master schedule, equalize class sections, and utilize time and building space to the maximum degree of efficiency.

This booklet explains Capital's graduation requirements, required courses and course content. After the course outline is carefully studied, the student, with his or her parents/guardians, should fill out the registration form. Students will be scheduled for the year according to their completed registration.

Please make selections very carefully. Changes in registration will be permitted only in response to a need by failure to receive a passing grade in a course or because of very unusual circumstances that may develop. Students should select full-year courses with care and should realize that full-year courses may not always be dropped at semester time.

Graduation Requirements

Students who complete the course requirements listed below **and** earn a minimum total of 23 credits will meet the requirements for graduation.

Course Type		Credits Required
ENG	English	4.0
SST	World Cultures	1.0
USH	US History	1.0
AMG	American Government	1.0
SCI	Science	2.0
MTH	Mathematics	3.0
HP	Human Performance	1.5
HE	Health Enhancement	0.5
FA	Fine Arts	1.0
VOC	Career and Technical Education	1.0
ELE	Electives*	7.0
Total Credits Required		23.0

**Elective credits may be earned in classes from all content areas, including SCI, MTH, FA, VOC, etc.*

Course Request Information

NORMAL CLASS LOAD

- **Freshmen & sophomores** need to be enrolled in **seven (7) periods per day**, with at least six (6) credit-bearing classes. One period may be a study hall. Students who choose to take seven credit-bearing classes need to consider the time required to work on those classes after school hours. Freshmen & sophomores may request to start zero period (7:25 a.m.) or 1st period (8:20 a.m.).
- **Juniors & seniors** must register for at least **six (6) credit-bearing classes** and may elect to take a study hall for a seventh class. Juniors and seniors may request to start classes zero period (7:25 a.m.), 1st period (8:20 a.m.) or 2nd period (9:15 a.m.).
- All bus students start 1st period.
- Any student who completes the day before 3:15 p.m. must leave the building or enroll in a study hall.

COURSE CREDITS & PREREQUISITES

- Full-year subjects such as English, American History, PE, etc. will receive one (1.0) credit per year.
- Semester subjects such as Psychology, Special Topics, etc. will receive a half (.5) credit.
- Credits are noted next to each course title as 1.0 or .5.
- **Course prerequisites/instructor verifications are noted at the end of each course description.**
- While a student may have fulfilled prerequisites/verifications, the availability of staff will determine the number of students finally enrolled in a class.

MAKING UP REQUIRED COURSES

- Students must register for required courses before they request elective courses.
- When a student fails the 1st semester of a required course, the student must register for the class for next year during the spring registration for the next year. **-OR-**
- A student can register for the Credit Recovery class with his/her counselor's permission.
- A student who receives a **D** in any **math course** is advised to repeat the course.
- Students who successfully complete a summer school make-up course for the failed semester can request a schedule change after summer school is completed and a passing grade is earned.

SETTING THE CHS COURSE SCHEDULE & CHANGING STUDENT SCHEDULES

- Scheduling at CHS is based on student course requests.
- All students request courses for the next year, but some courses may not be available for next year due to scheduling conflicts, lack of requests for the course, or staffing issues.
- Changes in registration will be permitted when necessary to fulfill graduation requirements, correct an enrollment error, or if another very unusual circumstances develop.
- Students should select full-year courses with care and should realize that full-year courses may not always be dropped at semester time.
- Students have **the first two weeks at the beginning of each semester to drop/add classes** with the appropriate signatures (parent/guardian and/or teachers) without receiving a Withdraw Fail (**WF**).
- A student who is withdrawn or dropped from a class two weeks or more after the beginning of a semester will have a **WF** recorded on the student's permanent record. Extreme circumstances may be appealed to the administration.
- Administration, parent, and teacher approval is required to **WF** any class.

Course Request Information

Signature on Registration Form Required <i>Signature indicates the student had a discussion with that teacher.</i>	Courses with Fees	Fee Amount
1101 English 1 Honors (commitment form)	3356 Technical Math	\$20/Year
1201 English 2 Honors (commitment form)	4300 Biology 2	\$30/Year
All Math Courses	4306 Biology AP	\$30/Year
All Science Courses grades 9-10 only	4421 Science Seminar	\$175/Year
8150 JMG (Jobs for Montana Graduates)	6110 Art 1	\$20/Year
9300 Unified PE	6120 Art 2	\$25/Year
9402 Lifetime Sports S1	6130 Art 3	\$30/Year
9403 Lifetime Sports S2	6140 Art 4	\$30/Year
	6150 Visual Arts Design 1	\$20/Year
Application Required	6160 Visual Arts Design 2	\$20/Year
4101 Earth and Space Science Honors (grade 9 only)	6170 Visual Arts Design 3	\$20/Year
4201 Biology 1 Honors (grade 9 only)	6210 Ceramics 1	\$30/Year
4400 Physics (grade 9 only)	6220 Ceramics 2	\$30/Year
4421 Science Seminar	6250 Photo 1	\$20/Year
7402 Yearbook	6260 Photo 2	\$20/Year
7404 Yearbook 2	7100 Industrial Tech	\$40/Year
8140 Library Media Tech	7170 Carpentry 1	\$40/Year
8260 Peer Mentoring	7190 Carpentry 2	\$40/Year
9351 Health Careers Exploration	7173 Carpentry 3	\$40/Year
	7210 Auto 1	\$80/Year
Audition and Signature Required	7220 Auto 2	\$80/Year
6371 Jazz Ensemble	7203 Auto 3	\$80/Year
6410 Intermediate String Orchestra	7230 Welding 1	\$40/Year
6420 Advanced String Orchestra	7240 Welding/Machining 2	Own Materials
6560 Jubiletttes	7250 Welding 3	Own Materials
6570 Saturday's Children	7255 Machining 3	Own Materials
6571 Jazz Choir	7535 Culinary Arts 1-2	\$45/Year
6710 Theater 2	7540 Culinary Arts 3	\$45/Year
6720 Theater 3	9402 Lifetime Sports	\$100/Sem
Financial Assistance for Course Fees:		
Financial assistance for some fees is available to families with documentation of financial need, as determined by eligibility for free/reduced meals. If assistance is needed, please visit with the CHS bookkeeper, in the Main Office.		

Honors & Advanced Placement Courses

GPA STATUS FOR GRADUATION WITH HONORS

Honors Recognition	Grade Point Average Required
Summa Cum Laude	3.900-4.000
Magna Cum Laude	3.750-3.899
Cum Laude	3.500-3.749

HONORS & ADVANCED PLACEMENT (AP)

Capital High School offers a variety of dual credit, honors, and Advanced Placement (AP) classes in several subject areas. The honors courses are offered for the student who has a strong aptitude in that subject area and is willing to accept and work on a rigorous course curriculum. In addition to the course work during the school year, students who will be taking honors and AP classes will receive a summer assignment that must be completed prior to the first day of school. All dual credit courses count as both high school and college credit. The courses are taught on the campus of Capital High School. Students are responsible for college registration, cost of tuition and fees. Students must be at least 16 years old to qualify for college credit.

It is recommended that students take honors courses beginning their freshman year in order to be eligible for upper-level honors and AP courses. However, students may elect to try an honors or AP course in the sophomore year or beyond, even if they have not taken a course prior to that year.

AP courses are taught on a prescribed curriculum meant to simulate a college course, with all the rigor and expectations of a college course. Near the end of the course, a student may elect to take a national AP exam for a fee that could earn college credit for the student. Students may take an AP exam in any subject, even if they have not taken the AP course for that exam.

It is always recommended that the student and the family work with the student's counselor to work out a schedule that meets the academic needs of the student and sets the student up for success in his/her academic endeavor. It is not recommended by Capital High School that a student take more than three honors or AP classes each year. If a student wishes to take more than three honors or AP classes in a year, it is strongly recommended the student and the family meet with the counselor for a discussion.

HONORS COURSES: Please turn to the specific department for course descriptions.

Biology 1 Honors	English 2 Honors	Math 2 Honors
Earth Science Honors	Math 1 Honors	Pre-Calculus Honors
English 1 Honors		

AP COURSES:

These rigorous courses are offered on the Capital High campus. Students pay approximately \$95 to take the AP test in the spring. The test is scaled from 0-5. The university determines the level of achievement for credit and type of credit (required or elective) awarded. The following courses are the AP options:

American Government AP	Chemistry AP	Human Geography AP
American History AP	Computer Science AP	Physics 1 AP
Art History AP (HHS)	English 3 AP (Lang & Comp)	Physics 2 AP
Art Studio AP (HHS)	English 4 AP (Lit & Comp)	Spanish 5 AP
Biology AP	Environmental Science AP	Statistics AP
Calculus AP	European History AP	

Dual Credit Opportunities

The following courses are taught at Capital High School and are offered for dual credit through our partner institutions. Students are required to fill out a separate application and course registration for the college credit portion of the class. Counselors will present registration information at the start of each semester, and it is the student's responsibility to meet all of the college's deadlines and test score requirements, as well as to pay fees if required.

CHS/Helena College Dual Credit Offerings**				
Helena College Course		Credits	CRN	CHS Course
WRIT 101	College Writing	3	1457	WRIT 101 College Writing
LIT 110	Intro to Literature	3	1458	English LIT 110
WRIT 121T	Technical Writing	3	1459	Intro to Technical Writing
M 105	Contemporary Math	3	3302	Contemporary Math
M 111T	Technical Math	3	3356	Technical Math
M 121	College Algebra	3	3440	College Algebra
M 151	Pre-Calculus	4	3301	Pre-Calculus Honors
M 171	Calculus I	4	3402	AP Calculus AB
M 172	Calculus 2	4	3405	AP Calculus BC
STAT 216	Intro to Statistics	3	3441	Statistics
CAPP 154	MS Word	3	7360	MS Word/Access
CAPP 156	MS Excel	3	7361	MS Excel/PowerPoint
MCH 234	CNC Milling Operations 1	4	7250	Machining 3
AUTO 104	Automotive Mechanics	3	7203	Auto 3

**** Dual credit course offerings are dependent on staff with dual certifications. Classes offered for dual credit could change if staffing changes occur and no dual certified teachers are available.**



“One-Two-Free” offers two free dual enrollment courses, up to six credits, through the Montana University System (MUS) to all eligible high school students. Dual enrollment allows high school students to take 100 and 200 level college courses on campus, online, or in their high school. Students can explore a wide range of content including academic core and workforce courses. For more information, [click here](#).



- The program offers eligible high school students their first two classes free, up to six credits.
- After that students pay the discounted dual enrollment tuition rate of 50% the two-year institution's tuition (on average \$51/credit).
- Students that demonstrate need can apply for a hardship scholarship to cover tuition beyond their first two courses/six credits.
- One-two-free applies to any lower division dual enrollment course from a participating institution, whether it is online, on campus, or in the high school.

Dual Credit Opportunities

All dual credit courses count as both high school and college credit. The courses are taught on the campus of Capital High School. Students are responsible for college registration, cost of tuition and fees. **Students must be at least 16 years of age or enrolled in grade 11** and meet course qualifications. **All Math** courses require an additional placement form. Students are recommended to have a B or better in the pre-requisite math course when taking for college credit. ACT Math scores can also be used to prove proficiency for placement in a dual credit math course.

When you request a dual credit course, an application must be completed for the college credit portion of the class. *Students who drop a dual credit course once the semester has started are required to drop at both CHS and the corresponding college. Failure to drop at the college will cause the student to be responsible for paying the course fees, and the failure will be reflected on the Helena College transcript.*

Dual Credit Math Pathways			
Pairing Your College Plans of Study with the Appropriate Math Class			
CHS Dual Credit Classes			
M151 Pre-Calculus/M171 Calculus	M121 College Algebra/STAT 216 Statistics	M111 Technical Math	M105 Contemporary Math
College Fields of Study			
STEM Fields	Social Sciences	Trade Programs	Fine Arts
Hard Sciences	Business	Certificates	Liberal Arts
Bench Sciences	Nursing/Allied Health		
Medical Fields			
Engineering			
Math			

MONTANA DIGITAL ACADEMY: DUAL CREDIT OFFERINGS

The Montana Digital Academy offers dual credit courses through various Montana University System Institutions. Students are responsible for the technology component to ensure success in the online learning environment. They are also responsible for college registration, cost of tuition and fees. Students should visit with their counselor for more information or visit <http://montanadigitalacademy.org/montana-university-system-dual-credit-information/>.



PROJECT LEAD THE WAY (PLTW) UNIVERSITY OF MONTANA

The University of Montana recognizes and awards credits for Project Lead The Way (PLTW) courses. General Education and course credit for the Biomedical Sciences courses is granted based upon successful completion of the course with assessment scores as described below. Enrollment Services-Admissions will provide students with an evaluation of their credits upon receipt of official scores. The University of Montana awards college credit to undergraduate degree students on the basis of official score reports from PLTW. <https://www.umt.edu/admissions/apply/advanced-credits/project-lead-the-way.php>

PLTW Biomedical Sci. Course	Score	UM Course	UM Credits
Y2 Human Body Systems	350+	BIOH 112, Human Form and Function I	3
Y3 Medical Interventions	390+	BIOH 113, Human Form and Function II	3



Pre-Apprenticeships

<http://apprenticeship.mt.gov/>

Capital High School's CTE Department has created a partnership with the Montana Department of Labor. Together they have developed a pre-apprenticeship program in the construction technology pathway. Students working within the pre-apprenticeship program will develop practical and skilled work experiences based on industry and occupational standards. Students will begin tracking hours that may be used in an approved apprenticeship program upon graduation.

Capital High School Approved Pre-Apprenticeship Courses/Hours					
CHS Courses			CHS Activities/Certifications		
Course #	Course Name	Max Hours	Additional Hours That Can Be Earned at CHS		
7100	Industrial Tech	150		OSHA 10	10
7102	Carpentry 1	300		SkillsUSA	30
7190	Carpentry 2	300		NAHB	30
7173	Carpentry 3	300	Total Hours Earned at CHS		2170
7410	Drafting 1	150			
7163	Drafting 3-Arch	150			
7230	Welding 1	150	Supplemental Dual Credit Courses		
7240	Welding 2	300	1459	Technical Writing	150
7250	Welding 3	300	3356	Technical Math	150
Total Classroom Hours		2100	Max Potential Hours at CHS		2470

This course of study for the pre-apprenticeship program has developed by CHS in partnership with the Registered Apprenticeship Program through the Montana Department of Labor and Industry. The intent of this course of study is to provide the pre-apprentice with industry approved technical instruction, allowing for a seamless transition into a registered apprenticeship program and/or employment in occupations related to the construction industry with possible advancement.

Apprenticeship programs require members to complete career specific training as well as on the job training hours. Hourly wage's is dependent on where apprentices are within the apprenticeship program.

The CHS pre-apprentice program can lead to apprenticeships in construction, electrical, or plumbing fields. Additional construction related fields may be able to count hours depending on apprentice sponsor approval.

For example:

Typical Electrician Apprentice Pay Scale			
1 st Band	0-1000 Hours	\$18/Hour	or 40% of Journey Worker Wage
2 nd Band	1001-2000 Hours	\$22.5/Hour	or 50% of Journey Worker Wage
3 rd Band	2001-3500 Hours	\$27/Hour	or 60% of Journey Worker Wage
4 th Band	3501-5000 Hours	\$31.50/Hour	or 70% of Journey Worker Wage
5 th Band	5001-6500 Hours	\$36/Hour	or 80% of Journey Worker Wage
6 th Band	6501-8000 Hours	\$40.5/Hour	or 90% of Journey Worker Wage
Journeyman	8000 hours completed	\$45/Hour	

CHS students who complete the pre-apprenticeship program at CHS could be 86% of the way to completing the 2nd band of the apprenticeship program. Potentially, with some work hours, they will be earning \$27/hour while their peers head off to college. Within 4 years of graduation, it is very possible to be finished with the apprenticeship program and at journeyman status, earning potentially over \$90,000 per year.

Apprentices who complete their program earn an average of over \$63,000 annually, \$20,000 higher than the statewide average wage. Students who begin their apprenticeship after graduation begin earning a salary right way with benefits and without taking on student loan debt. 90% of apprenticeship graduates are employed in Montana after completing their program. Apprenticeships are good for students as well as for Montana. (Source: MDLI)

Special Recognitions

CHS B.E.A.R. AWARD

Capital High School honors those students who go beyond the required course load for graduation by taking honors, Advanced Placement and accelerated college preparation classes while maintaining a 3.5 grade point average. The Bruin Educational Achievement Recognition (B.E.A.R.) is awarded to graduating seniors who have achieved the following:

1. Taken 10 or more honors, Advanced Placement, and/or accelerated credits receiving a minimum of a B letter grade (after 8th semester).
2. Earned at least 7 of the 10 credits in following core departments: English, Math, Social Studies, Science, or Foreign Language.
3. Taken all required classes necessary for graduation.
4. Graduate with a minimum of 26 credits.
5. At the time of graduation have a minimum cumulative G.P.A. of 3.5.
6. No outstanding past or current disciplinary problems determined at the discretion of the Helena School Board through the day of graduation.
7. Involved in at least 2 school related activities.
8. Complete application for the B.E.A.R. award fall of senior year.

The following courses qualify for the B.E.A.R. and may only be counted once:

English	Sciences	Fine Arts-Continued
English 1 Honors	Earth Science Honors	Advanced String Orchestra (Chamber)
English 2 Honors	Biology 1 Honors	Jubilettes
English 3 AP Language & Composition	Biology AP	Saturday's Children
English 4 AP Literature & Composition	Chemistry AP	Jazz Choir
English 4 College Writing & Literature	Physics	Music Theory Careers Prep
	AP Physics 1	Theater 3
Social Studies, History, & Gov't	AP Physics 2	Career & Technical Education
World Cultures Honors	Science Seminar	Carpentry 2
American History AP	Environmental Science AP	Carpentry 3
American Government AP	World Languages	Auto Technology 2
European History AP	French 3 Honors	Advanced Auto Skills & Tech 3
Economics AP	French 4	Welding 3
Human Geography AP	Spanish 4	Machining 3
Mathematics	Spanish 5 AP	Accounting 2
Math 1 Honors	German 4	Accounting 3
Math 2 Honors	Fine Arts	MS Office Word/Excel
Pre-Calculus Honors	Art 4	MS Office Access/PowerPoint
AP Calculus AB	Visual Arts Design 3	Marketing Management
AP Calculus BC	Art History AP	Health Careers Exploration
Statistics AP	Symphonic Band	
Computer Science AP	Jazz Ensemble	Accredited College Course (S1 & S2)

Special Recognitions

HEF DISTINGUISHED SCHOLARS AWARD



Distinguished Scholars are selected on the basis of criteria developed by students, teachers and administrators, including GPA, number of high-level courses, total credit hours, and activities. For up to date information and eligibility rules, visit www.hefmt.org/celebration-of-excellence/.

Qualifications for Distinguished Scholars

Students must have a minimum of 13 (14 beginning with the Class of 2023) credit hours of honors, AP, accelerated or college-level classes (eligible dual credit courses as listed) and a 3.7 GPA at the end of the 7th semester in order to qualify as a Distinguished Scholar, and a minimum 24 total credit hours by the end of the 7th semester. Credits for non-core classes are limited to 2 credits of advanced study per area, such as music, art, language, etc.

NATIONAL HONOR SOCIETY



National Honor Society is a prestigious national organization only for the best and brightest students. The eligibility process begins with a minimum 3.5 cumulative GPA at the end of a student's fifth semester of high school. Members are selected based on the four criteria of scholarship, service, leadership, and character. NHS is a valuable addition to a student's high school transcript.

The following are the criteria for membership in National Honor Society:

Scholarship – Members have completed 5 semesters of high school and have a minimum cumulative GPA of 3.5 to be considered for membership in NHS.

Character – Members must be of good character. They must not have had any serious infractions of school policy during their time at CHS.

Service – NHS is a service organization. This means that we volunteer to help with various school and community events that are worthwhile and beneficial to the community.

Leadership – NHS members are student leaders by virtue of the fact that they give freely of themselves, stand up for what is right, and present as role models by adhering to the four tenets of National Honor Society.

Membership requires community service participation as well as attendance at bi-monthly lunchtime meetings held in CHS room 12.

As NHS is a prestigious national organization, membership in this group is an advantage when applying to the college or university of your choice.

English

A minimum of 4.0 ENG credits are required.

Students are not required to stay in a specific stream for English. They are free to move from a regular English class to an honors/AP class or from an honors/AP class to a regular English class. Students are encouraged to make decisions based on their ability.

	Grade 9	Grade 10	Grade 11	Grade 12
Required Courses <i>Choose one</i>	English 1 English 1-Honors (Pre-AP)	English 2 English 2-Honors (Pre-AP)	English 3 English 3-AP Lang & Comp	English 4A-Multicultural Literature English 4B-Modern Literature English 4C-Sci Fi/Fantasy Literature English 4-Technical Writing (DC) English 4-AP Literature & Composition College Writing & College Lit. (DC)
Elective Courses		Creative Writing	Creative Writing Peer Mentoring Class	Creative Writing Peer Mentoring Class
ENGLISH INTERVENTIONS: <i>Placement in the following intervention courses is based on academic need, as determined by screening and/or teacher recommendation.</i>				
	Reading Lab English 1-Applied	Reading Lab English 2-Applied	Reading Lab English 3-Applied	Reading Lab English 4-Applied

1100 English 1 **Grade: 9** **1.0 Credit**

English at the freshman level explores the genres of mythology (including *The Odyssey*), non-fiction, novel, drama (i.e. *Romeo and Juliet*) and short story. The emphasis in composition is on argumentative analysis and process writing. Grammar, spelling, vocabulary development, library orientation, speaking, listening, study skills and research are also included.

1101 English 1-Honors (Pre-AP) **Grade: 9** **1.0 Credit**

**Special Note: Registering for an AP or Honors course is meant to be a YEAR-LONG COMMITMENT. If you wish to drop an AP or Honors course, you will have to wait until one week after the semester begins.*

Honors English I is an accelerated course designed for the student who performs well in English, has a passion for reading and responding to a variety of literature, and enjoys writing. Students in this course must be self-motivated, be able to analyze and think critically about what they read and be active class participants. The course uses SpringBoard curricular resources to begin preparing students for Advanced Placement English courses at the junior and senior levels. **Prerequisite(s): Signed commitment form attached to registration materials -AND- completion of summer reading and related assignments. An A or B in the previous year's English class is recommended.**

Social Studies, History, & Government

A minimum of 1.0 SST, 1.0 USH, and 1.0 AMG credits are required.

	Grade 9	Grade 10	Grade 11	Grade 12
Required Courses	World Cultures Human Geography AP	None Required	American History American History AP	American Government American Government AP
Elective Courses		European History AP Western Civilization Philosophy Psychology Sociology	European History AP Western Civilization Philosophy Sociology Psychology Advanced Psychology Special Topics	European History AP Western Civilization Philosophy Sociology Psychology Advanced Psychology Special Topics

FRESHMAN YEAR - WORLD CULTURES OPTIONS

2100 World Cultures (Required) Grade: 9 1.0 Credit

In this course, students will survey the geography, history, social structure, economy, art, religion and national policies of selected world regions including: Russia, China, The Middle East and North Africa, Africa (Sub Sahara), Latin America, Southeast Asia, India, Japan, Oceania, and Western Europe.

2103 Human Geography AP Grade: 9 1.0 Credit

**Special Note: Registering for an AP or Honors course is meant to be a YEAR-LONG COMMITMENT. If you wish to drop an AP or Honors course, you will have to wait until one week after the semester begins.*

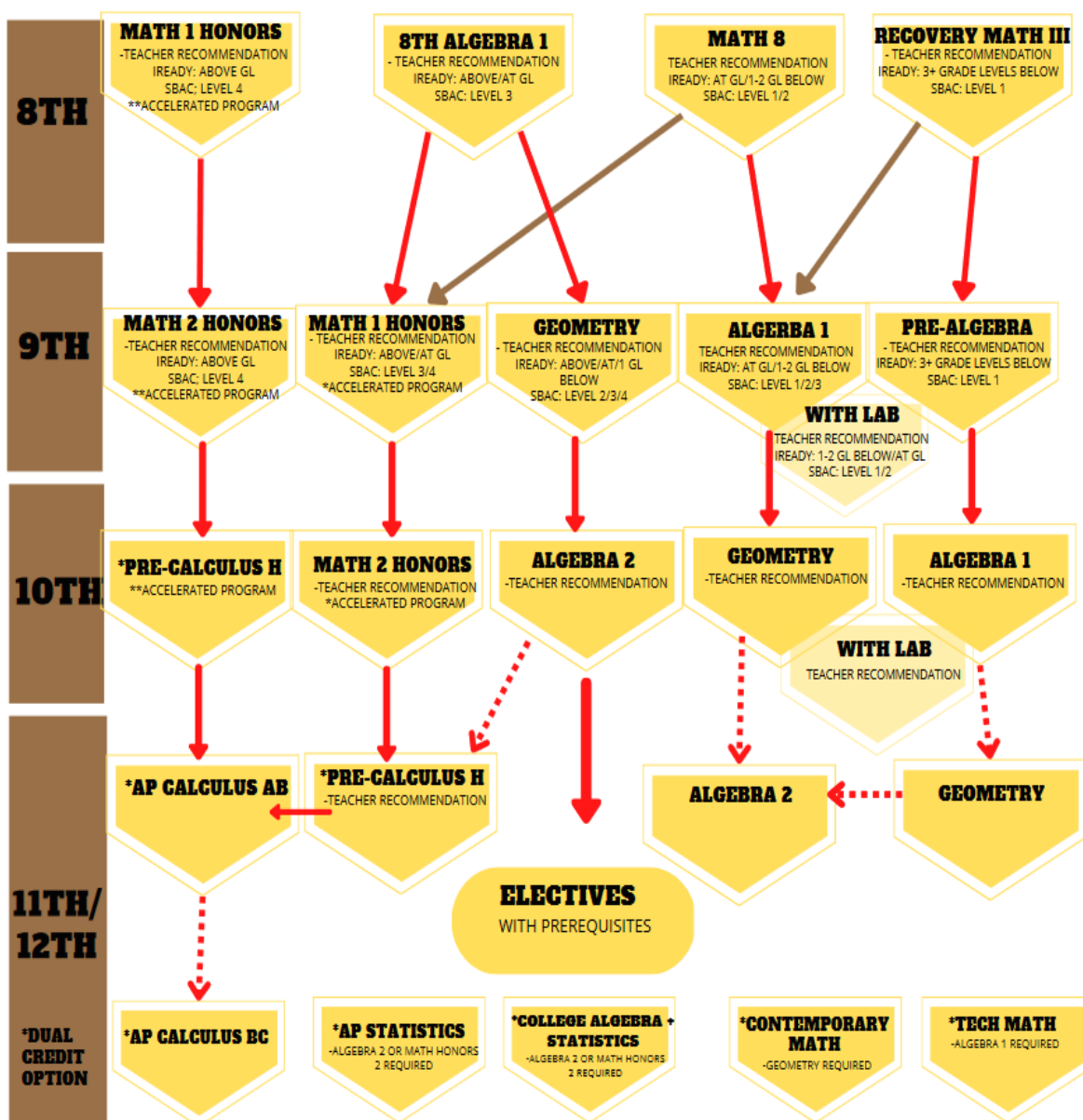
Learn about the world and get college credit! The AP Human Geography course is equivalent to an introductory college-level course in human geography. Content is presented thematically through the subfields of: economic geography, cultural geography, political geography and urban geography. Case studies are drawn from all world regions, with an emphasis on understanding the world in which we live today. Students enrolling for this course will be assigned college-level texts to read, along with writing assignments and projects meant to develop critical thinking skills. Students successfully completing this course will take the Advanced Placement test (Exam Fee: Approx. \$95) for college credit and will fulfill the district's World Cultures curriculum requirement. The exam is accepted in most colleges and universities for college credits, depending on student's AP exam score.

Mathematics

A minimum of 3.0 MTH Credits are required.

CHS MATHEMATICS COURSE FLOW CHART

CRA to CHS MATH COURSE PATHWAY



Mathematics

A minimum of 3.0 MTH Credits are required.

3103 Pre- Algebra

Grades: 9-12

1.0 Credit

This is a remedial course for students who have not experienced success with middle school mathematics. The course prepares students for Algebra 1 and refines arithmetic skills. This course does not meet post high school state standards. Students will be required to take Algebra 1 the following year. **Prerequisite(s): Signature of current Math teacher is required on registration form**

3100 Algebra I

Grades: 9-12

1.0 Credit

If a student feels they would benefit in seeing the Algebra 1 material again or was not successful in Algebra 8 they should take Algebra 1 at CHS. Registering for Algebra 1 as a freshman puts them on a grade level high school pathway of Algebra 1 in 9th grade, Geometry, in 10th grade, Algebra 2 or a Math Elective their junior and senior year. This pathway prepares all students to be college and career ready upon graduation. **Prerequisite(s): Signature of current Math teacher is required on registration form.**

3101 Mathematics 1-Honors

Grade: 9

1.0 Credit

**Special Note: Registering for an AP or Honors course is meant to be a YEAR-LONG COMMITMENT. If you wish to drop an AP or Honors course, you will have to wait until one week after the semester begins.*

If a student was successful in Algebra 8 and wants to continue at a rigorous accelerated pace, Honors Math 1 is the recommendation. This pathway is for students who know they would like to continue to study a high level of mathematics through all four years of high school and potentially pursue a STEM (Science, Technology, Engineering and Mathematics) field in college. This is an accelerated pathway that allows students to deeply engage with major concepts and explore real-world applications while covering both algebraic and geometric topics. After successfully completing Honors Math 1, students may enroll in Honors Math 2 their sophomore year, followed by Honors Pre-Calculus, junior year and AP Calculus their senior year. Honors Math 1 and Honors Math 2 pathway covers three years of concepts in two years. This pathway prepares all students for college study in a multitude of career paths. **Prerequisite(s): Signature of current Math teacher is required on registration form.**

3200 Geometry

Grades: 9-12

1.0 Credit

If a student was successful in Algebra 8 and would like courses that move at a traditional pace, then registering for geometry as a freshman is recommended. This course provides students with a full year course on geometric thinking, probability, and embedded practice of algebraic skills. After successfully completing Geometry, students may enroll in Algebra 2 as a sophomore followed by enrolling in math electives their junior and senior years. Our math electives include Honors Pre-Calculus, College Algebra, Statistics, Contemporary Math, AP Statistics, Tech Math, and AP Calculus. This pathway prepares all students for college study in a multitude of career paths. **Prerequisite(s): Signature of current math teacher or passing grade in Algebra 1.**

3201 Mathematics 2-Honors

Grades: 9-10

1.0 Credit

**Special Note: Registering for an AP or Honors course is meant to be a YEAR-LONG COMMITMENT. If you wish to drop an AP or Honors course, you will have to wait until one week after the semester begins.*

This is the second of the four-year sequence and emphasizes a strong development of the ideas of Geometry and higher Algebra skills. The course prepares students for geometric thinking and refines geometric, statistical and problem-solving skills. Students who successfully complete this course will go on to take Honors Pre-Calculus. **Prerequisite(s): Signature of current Math teacher is required on registration form -AND- Honors Algebra 1 (B or better recommended).**

3800 Math Lab

Grades: 9-12

1.0 Elective Credit

This is an additional support class for students to alongside their Algebra I or Geometry course. Lab courses develop necessary skills needed to be successful in their current math course.

Prerequisite(s): Signature of current Math teacher is required on registration form.

Sciences

A minimum of 2.0 SCI Credits are required.

SCIENCE PATHWAYS

Minimum Science Graduation Requirements 2 Years Science Required (1 Physical Science + 1 Life Science) 3 Years Science Recommended for Most Colleges/Universities		→	1 Physical Science Earth and Space Science Chemistry Physics or AP Physics	&	1 Life Science Biology Honors Biology
General Science	Environmental Sciences	Physical Science Engineering	Health/Medical		
9th Grade Earth and Space Science OR Honors Earth and Space Science	9th Grade Earth and Space Science OR Honors Earth and Space Science OPT: Honors Biology 1 Core.	9th Grade Physics (Honors Math 2 Req.) AND/OR Earth and Space Science or Honors Earth & Space Science	9th Grade Honors Biology 1 Biomed Recommended		
10th Grade Biology 1 OR Honors Biology	10th Grade Biology 1 or Honors Biology AND Chemistry Opt: AP Environmental Science	10th Grade Chemistry AND Biology 1, Honors OR AP Biology, Honors Earth and Space Science, AP Physics 1 or 2	10th Grade Chemistry Biology II OR AP Biology Biomed Recommended		
11th Grade Chemistry OR Physics OR Biology II OR AP Biology OR AP Environmental Science	11th Grade Biology II OR AP Biology AP Environmental Science OPT: Physics	11th Grade Chemistry, AP Chemistry AND/OR Physics or AP Physics Robotics (if offered)	11th Grade Biology II OR AP Biology Biomed Recommended OPT: Physics, AP Physics OR AP Chemistry		
12th Grade Physics, AP Chemistry, Science Seminar, AP Physics 1 or 2, AND/OR AP Environmental	12th Grade Science Seminar AP Biology REC: AP Chem/Physics	12th Grade Science Seminar AP Physics 1 and/or 2 AP Chemistry If not Taken	12th Grade AP Chemistry & Science Seminar Biomed Recommended OPT: AP Env OR AP Physics		
Understand that you are not locked into one of these pathways. They are designed to help guide you to take classes that will prepare you for future careers in each field. We encourage you to take any science electives that you are interested in as long as you meet the prerequisites for that course. Below are the elective options at each grade level.					
ELECTIVE COURSE SUGGESTIONS	10th Grade	11th Grade	12th Grade		
	AP Biology, Biology II, AP Environmental, AP Physics 1 or 2, Physics, Chemistry	AP Biology, AP Chemistry, AP Environmental, AP Physics 1 or 2, Biology II, Chemistry, Physics	AP Biology, AP Chemistry, AP Environmental, AP Physics 1 or 2, Biology II, Chemistry, Physics, Science Seminar		

SCIENCE INTERVENTIONS

Placement in a Science Intervention course is based on academic need, as determined by screening and/or teacher recommendation.

Sciences

A minimum of 2.0 SCI Credits are required.

4100 Earth and Space Science

Grade: 9

1.0 Credit

Earth and Space Science is a class designed for the majority of incoming freshmen. This course is a survey of Geology, Meteorology, Astronomy and Hydrology. Lab work, reading, data analysis and writing is used in this class. Students are expected to make observations, take measurements, and draw conclusions.

4101 Earth and Space Science-Honors

Grades: 9-10

1.0 Credit

**Special Note: Registering for an AP or Honors course is meant to be a YEAR-LONG COMMITMENT. If you wish to drop an AP or Honors course, you will have to wait until one week after the semester begins.*

Honors Earth and Space Science is designed for students who are talented in mathematics and science, and who enjoy and have an interest in pursuing a scientific course of study. This course involves in-depth reading of scientific works, measurement, data analysis, inquiry labs, and the writing of science based papers. Students are expected to be able to make predictions from their observations, test these predictions, collect data using measurement from tests and draw conclusions from their work. This class has a science literacy and field component. **Prerequisite(s): Signature of current Science teacher is required on registration form. "B" or better in Math, Science, and English is recommended.**

***Grade 9 ONLY: completion of Algebra 1 (or higher) AND- application/selection is required.**

4201 Biology 1-Honors

Grades: 9-10

1.0 Credit

**Special Note: Registering for an AP or Honors course is meant to be a YEAR-LONG COMMITMENT. If you wish to drop an AP or Honors course, you will have to wait until one week after the semester begins.*

Honors Biology 1 is a survey course in the Life Sciences designed to challenge the advanced sophomore-level student. This rigorous course requires a high level of commitment and effort from the honors student. It is more in-depth and faster paced than the regular biology course, with a greater emphasis on critical thinking and independent learning. Successful completion of this class will better prepare students for other advanced level courses. **Prerequisite(s): Signature of current Science teacher is required on registration form. "B" or better in Math, Science, and English is recommended.**

***Grade 9 ONLY: Completion of Algebra 1 (or higher) AND application/selection is required.**

4400 Physics

Grades: 9-12

1.0 Credit

"Inquiry Physics" Physics provides an opportunity for students to continue their survey of the fundamental science disciplines offered at the high school level. Physics is a college preparatory introductory level survey course recommended for those students with an interest in science that have demonstrated a high ability in mathematics and previous science classes. Through inquiry activities, laboratory experiences, discussion, movies and lecture students will explore the relationships of waves, sound, light, color, matter, kinematics of motion and energy with an emphasis on increasing student understanding of graphing, diagraming and fundamental problem-solving skills. Topics of study will include waves, sound, light, lenses, mirrors, motion, kinematics, forces, momentum, friction, energy, modern physics theory of the universe, and planetary motion. **Prerequisite(s): Algebra II (or higher)/Concurrent Enrollment. *Grade 9 ONLY: Concurrent enrollment in Mathematics 2-Honors is required AND- application is required.**

World Languages

¿Habla Ud. Español? Parlez-vous français? Sprechen Sie Deutsch? Nonne intelligitis Latinam linguam?

Spanish, French, Latin, and German are the languages you can study at Capital High. Spanish is offered in a five-year sequence (grades 8-12). Currently, first year Spanish is offered in 8th grade. French and German are a four-year sequence. Latin is offered in a three-year sequence. You can begin any of the four languages at any grade in high school. The general recommendation is to take as many years as possible of the same language and even add another language if possible!

Students often ask why studying another language is important

- In most countries learning another language is expected and required as part of the general education of all students.
- Some colleges and universities require 2, 3, or even 4 years of a world language for entrance. Still others require a world language for graduation. Check with individual schools for the requirements.
- After a period of time, you will be able to communicate with people in their own language.
- You can use the thinking, memorizing, and organizing skills you have acquired to help you in other classes.
- You will learn more about your own language-grammar and vocabulary.
- Research shows that students who have studied a world language do better on standardized tests (like the SAT) than students who have no language training.

Language	The prerequisite for taking the next level of a language is a passing grade in the previous level				
Latin	Latin 1	Latin 2	Latin 3		
French	French 1	French 2	French 3	French 4	
Spanish	Spanish 1	Spanish 2	Spanish 3	Spanish 4	Spanish 5 AP
German	German 1	German 2	German 3	German 4	

World Languages

5110 Latin 1

Grades: 9-12

1.0 Credit

Latin 1 is the first year of a two-year curriculum in which the students learn Latin as they follow a typical Roman family living in 80 A.D. As they study family life in the vast Empire of Rome, students will learn how to translate Latin and also about Roman culture and mythology. This class includes instruction in basic grammar, idiomatic expressions, proper intonation and accentuation, and how Latin is the foundation for other languages including English.

5210 French 1

Grades: 9-12

1.0 Credit

French 1 is the beginning course of a four year program. Students begin to develop the four basic language skills (listening, speaking, reading, and writing) and to learn specific techniques to facilitate acquisition of a second language. Emphasis is on acquiring such basic learning skills as following directions, listening actively, participating in drills, memorizing and retaining vocabulary. Spending out-of-class time each day orally studying French is highly encouraged. French 1 also introduces students to the culture, geography, and history of France. Students assume responsibility for their own learning through independent study and self-tests.

5310 Spanish 1

Grades: 9-12

1.0 Credit

Spanish 1 is the beginning course of a five year program. Students build a foundational vocabulary base that enables them to begin communicating in Spanish. Vocabulary and fundamental language skills are practiced through activities such as worksheets, presentations, conversations, interviews, discussions, stories, and films. Spanish 1 also introduces the students to elements of Hispanic culture, geography, and history. Students are expected to actively participate in the classroom as well as invest study time outside of class. Upon successful completion of Spanish 1, students should plan to continue with higher-level Spanish courses to gain fluency in the language.

5320 Spanish 2

Grades: 9-12

1.0 Credit

In Spanish 2, the students continue to build communication skills in listening, speaking, reading and writing. They increase their understanding of Hispanic culture, geography and history. They will learn additional grammar and vocabulary by reading novels, short stories, and articles written by Hispanic authors that have been adapted for students at this level. Other class activities include viewing authentic Hispanic films, making presentations and participating in class discussions. A solid background in Spanish 1 is required, and students need to be able to follow directions and organize material. Those who finish the course successfully qualify for Spanish 3. ***Prerequisite(s): Spanish 1. Students who take Spanish 1 in 8th grade are required to get their teacher's signature to register for Spanish 2.***

5410 German 1

Grades: 9-12

1.0 Credit

German 1 coursework lays the foundation of German language learning including the alphabet, numbers, the case system, and gender of nouns. Topics include introductions, schools and universities, sports and free time activities, family, food and eating out. During the first year students will become familiar with the present and future tenses. At all times there will be an emphasis on the 5 Cs of language instruction: communication, culture, connections, comparisons and communities. Reading, listening, writing and speaking activities provide a comprehensive learning experience. Cultural projects, German films and audio communications complement instruction.

Fine Arts

A minimum of 1.0 FA credit is required.

	Grade 9	Grade 10	Grade 11	Grade 12
Studio Arts	Art 1 Visual Arts Design 1 Unified Art	Art 1,2 Visual Arts Design 1,2 Unified Art	Art 1,2, 3 Visual Arts Design 1,2, 3 Unified Art Ceramics 1	Art 1,2, 3, 4 Visual Arts Design 1,2, 3 Unified Art Ceramics 1, 2
Photography			Photography 1 Film Photography	Photography 1, 2 Film Photography
Band	Freshman Band Jazz Band	Concert Band Jazz Band Jazz Ensemble	Concert Band Jazz Band Jazz Ensemble Symphonic Winds	Concert Band Jazz Band Jazz Ensemble Symphonic Winds
Orchestra	Beginning Orchestra Intermediate Orchestra	Intermediate Orchestra Advanced Orchestra	Intermediate Orchestra Advanced Orchestra	Intermediate Orchestra Advanced Orchestra
Choir	Treble Choir Tenor-Bass Choir	Treble Choir Tenor-Bass Choir Jubilettes Saturday's Children Jazz Choir	Treble Choir Tenor-Bass Choir Jubilettes Saturday's Children Jazz Choir	Treble Choir Tenor-Bass Choir Jubilettes Saturday's Children Jazz Choir
Other Music	Modern Band	Modern Band	Modern Band Music Theory Career Prep	Modern Band Music Theory Career Prep
Drama	Theater 1	Theater 1,2	Theater 1,2,3	Theater 1,2,3

6110 Art 1

Grades: 9-12

1.0 Credit

The Art 1 class is an entry-level full year basic art class designed to expose students to the world of art as well as build confidence and problem-solving skills. Emphasis is placed on Art Production, Art History, and the Elements and Principles of Design. Art I provides an opportunity for students to develop and increase their skills in understanding and creating art. Students will learn about subject matter, media, art history, art methods and techniques. Students will explore drawing, graphic design, computer art, painting, printmaking, sculpture and mixed media. **Art supplies are required and will be covered by class fee. Class fee \$20.00**

6150 Visual Arts Design 1

Grades: 9-12

1.0 Credit

This is an entry-level course designed to introduce students to the world of design and 3-dimensional art. This "Hands On" art class offers a variety of additive and subtractive concepts exploring the elements and principles of design. Emphasis is put on ideas, design, and execution of individual pieces as well as exploration of materials. Students will learn about media, subject matter, art history, and 3-dimensional artists. Students will work with found objects, repurposed materials, plaster, and other mediums to create work that reflects their knowledge of the course objects as well as the expression of their ideas. **Class fee \$20 and certain supplies wanted by students will need to be provided.**

6154 Unified Art	Grades: 9-12	1.0 Credit
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This is an entry level course designed to introduce students to the world of art and design in an adapted fashion. This class will utilize adapted materials to create Unified Art for all. Unified Art will engage all students with and without disabilities increasing socialization as well as teamwork in creating fine pieces of art. This class provides a unique opportunity for all students at Capital to receive an equal Art Education, as well as for students to receive experience working with others that could be utilized for future careers.

6300 Freshman Band	Grade: 9	1.0 Credit
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This 9th grade ensemble is the introduction to the Capital High School band program. Instruction will focus upon the development of instrumental technique, the establishment of correct practice habits and routines, and the cultivation of ensemble skills. Students will study and perform music which reinforces their on-going musical development and challenges them to advance their skills as they prepare for the more advanced ensembles. In addition to regularly required school performances, this band will also perform at the District Band Festival and other Band Festivals as scheduled. **Prerequisite(s): At least one year of previous successful band experience or audition with director.**

6330 Modern Band	Grades: 9-12	1.0 Credit
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THIS IS NOT A TRADITIONAL BAND CLASS. Do you want to be a Rockstar? Have you ever wanted to learn to play electric guitar, electric bass, drums, keyboard, sing, ukulele, banjo, compose music, write songs, become a rapper, learn about music technology, or how to put a band together??? Then Modern Band is the class for you!!! Everyone is welcome and encouraged to join. Students will put together a band(s), arrange music of all styles, write and perform their own music, and tour/play performances in and around Helena and Montana...No Experience Necessary!!! All that is needed is a positive attitude and a willingness to learn and act within a team environment. The only prerequisite for this course is that you may not quit band, orchestra, or choir to join. If you are currently a member of the CHS Band, Orchestra, or Choir you must use an extra elective to join.

6370 Jazz Band	Grades: 9-12	1.0 Credit
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This introductory-level jazz band is intended to provide experience to those interested in exploring the jazz medium. The band is open to all; however, there are some exceptions due to the instrumentation restrictions of the standard jazz literature. Auditions may be required to successfully establish the correct instrumentation. Instruction will focus upon the development of instrumental technique, and the exploration of a variety of jazz styles and idioms. The art of jazz improvisation will be introduced through the study of jazz theory and hands-on practice and performance. In addition to required school concerts, this jazz ensemble may be invited to perform outside of school on numerous occasions. Performances may include festivals, fundraising benefits, and community events. **Prerequisite(s): Students must be concurrently enrolled in one of the other bands in the department. Depending upon instrument, concurrent enrollment in an orchestra or chorus may also be accepted. Auditions may be necessary in order to establish correct instrumentation.**

6411 Beginning String Orchestra	Grades: 9	1.0 Credit
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The Capital High Beginning (Freshman) String Orchestra is open to all incoming Freshman regardless of previous orchestral experience. If you do not have previous experience, but want to learn a string instrument, this is the class for you! Beginning Orchestra will focus on making sure all students have a solid foundation for continuing in high school orchestra. Students are expected to practice weekly, and to come to class prepared to play every day. All students must have their own instrument for this class. If a student does not or is not able to own/rent an instrument, they must contact the Director to make arrangements for a school instrument.

6410 Intermediate String Orchestra	Grades: 9-12	1.0 Credit
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The Capital High Intermediate String Orchestra is open to all Sophomores - Seniors with previous orchestral experience, as well as Auditioned Freshman. All students must have their own instrument for this class. If a student does not or is not able to own/rent an instrument, they must contact Mr. Harris to make arrangements for a school instrument. **Prerequisite(s): Freshmen: Audition and selection, Director's signature; Sophomore-Senior: Previous orchestra experience and/or a meeting with the director.**

6510 Treble Choir**Grades: 9-12****1.0 Credit**

This class is an opportunity for anyone who sings in the treble range. No student will be refused admittance. Students will study vocal singing technique, music theory, music notation sight-reading, and music appreciation through class participation, performances, and district music festival. *Prior choir experience is helpful, but not necessary. No audition is required.*

6511 Tenor-Bass Choir**Grades: 9-12****1.0 Credit**

This class is an opportunity for anyone who sings in the tenor-bass range. No student will be refused admittance. Students will study vocal singing technique, music theory, music notation sight-reading, and music appreciation through class participation, performances, and district music festival. *Prior choir experience is helpful, but not necessary. No audition is required.*

6700 Theater 1**Grades: 9-12****1.0 Credit**

This is an introductory course to theatre and all its wonders. No experience? No problem! You'll be introduced to the basic elements of the theatre itself as well as the foundational tools to begin acting like a pro! You will be expected to memorize monologues, design and perform with puppets, act in scenes with your peers and more. Some film history is also included in this course.

Career & Technical Education: Industrial Technology

A minimum of 1.0 VOC credit is required.

CHS INDUSTRIAL TECHNOLOGY COURSES RECOMMENDED SEQUENCE OF COURSES

Grade 9	Industrial Technology and/or Drafting I			
Following Industrial Technology and/or Drafting I, students can then choose a CTE concentration.				
	Welding ↓	Drafting ↓	Carpentry/Building Trades ↓	Auto ↓
Grade 10	Welding 1	Drafting 1	Carpentry 1	Auto 1
Grade 11	Welding/Machining 2	Drafting 2 (Mechanical)	Carpentry 2	Auto 2
Grade 12	Welding 3/ Machining 3	Drafting 3 (Architectural)	Carpentry 3	Auto 3

7100 Industrial Technology

Grades: 9-12

1.0 Credit

This course is designed for students to develop introductory skills and knowledge in a wide variety of industrial related processes, systems, and tools. The content of the course is based on drafting, construction, woodworking, cabinetmaking, problem solving, engineering and power tool technology. This is a great “hands-on” class for students to learn a wide variety of useful skills and knowledge while strengthening academic skills as they apply to industrial problems. All freshmen are strongly encouraged to take this class as a foundation before taking other CTE trades classes that are available sophomore year. Note: A student who fails 1st Semester will have a conference with an administrator, the teacher, and a parent to discuss continued enrollment 2nd Semester. **Fees: \$40**

7140 Drafting 1 (Basic Drafting)

Grades: 9-12

1.0 Credit

This is an individualized instruction program designed to acquaint students with basic drafting equipment and procedures. The course includes the use of drafting instruments, lettering, geometric construction, sketching and multi-view drawing. This course is recommended for those students contemplating a career in construction, engineering or architecture. Basic Drafting (Drafting 1) is a prerequisite for all other drafting courses.

Career & Technical Education: Business Education

A minimum of 1.0 VOC credit is required.

BUSINESS/MARKETING/TECHNOLOGY EDUCATION

The ability to use computers to perform everyday tasks is one of the most important skills for the 21st Century. Business-related skills and interpersonal skills permeate every aspect of our lives, regardless of our chosen career field. These skills will also carry over into all other high school curriculum.

In today's technological world, business skills give the extra edge when competing for jobs whether in Montana, the United States, or the world. The Business program at Capital High School helps to prepare students by placing emphasis on the development of each student's ability and potential. Work ethic is expected and learned through everyday class procedures. It is our goal to provide students with rigorous, relevant courses that will better prepare them for the real-world.

BUSINESS/MARKETING/TECHNOLOGY EDUCATION COURSE OFFERINGS

Grade 9	Grade 10	Grade 11	Grade 12
Basic Computer Skills	Basic Computer Skills	Basic Computer Skills	Basic Computer Skills
Technology Skills for Life	Technology Skills for Life	Technology Skills for Life	Technology Skills for Life
Career Planning	Money Management	Money Management	Money Management
Yearbook	Career Planning	Career Planning	Career Planning
Robotics	Basic Elements of Graphic Design	Basic Elements of Graphic Design	Basic Elements of Graphic Design
Marketing Ed 1	Graphic Design II	Graphic Design II	Graphic Design II
	Microsoft Office WORD*	Law & Justice	Law & Justice
	Microsoft Office EXCEL*	Microsoft Office WORD*	Microsoft Office WORD*
	Accounting 1	Microsoft Office EXCEL*	Microsoft Office EXCEL*
	Yearbook	Accounting 1	Accounting 1
	Yearbook 2	Accounting 2	Accounting 2
	Computer Science	Yearbook	Accounting 3
	Video Broadcasting	Yearbook 2	Yearbook
	Robotics	Computer Science	Yearbook 2
	Marketing Ed 1	AP Computer Science	Computer Science
	Small Business Management	Video Broadcasting	AP Computer Science
	Sports & Enter. Marketing	Video Broadcasting 2	Video Broadcasting
	Business Co-Op**	Robotics	Video Broadcasting 2
		Marketing Ed 1	Robotics
		Small Business Management	Marketing Ed 1
		Sports & Enter. Marketing	Small Business Management
		Marketing Management	Sports & Enter. Marketing
		Business Co-Op**	Marketing Management
			Business Co-Op**

* This course is available for dual credit through Helena College.

**Must be concurrently enrolled in another Business or Marketing class to take this course.

Business Professionals of America (BPA)

This organization prepares students for the business workforce through advancement of leadership, citizenship, academic, and technological skills.

Distributive Education Clubs of American (DECA)

Marketing Education related activity open to all students enrolled in the Marketing classes.

Career & Technical Education: Business Education

A minimum of 1.0 VOC credit is required.

7301 Basic Computer Skills Grades: 9-12 .5 Credit

This class is designed for the student who desires to improve their overall keyboarding skills. This semester class will focus on learning the alphabetic and numeric keyboard and symbols by touch using proper technique, as well as use Microsoft Word to create, write, and format personal documents such as memos letters, reports, and tables. Grades are based on the quality of daily class work and projects, speed and accuracy, practice, tests, and work habits.

7304 Technology Skills for Life Grades: 9-12 .5 Credit

Students will enhance their skills in business applications through the use of digital technology. This semester length course will focus on document processing, spreadsheets, and presentations using Microsoft Office Word, Excel, and PowerPoint. Improving keyboarding speed and accuracy will also be a focus of this course. Students will demonstrate the ability to use the Microsoft Office suite of applications and gain exposure to various applications of technology in the business world. **Recommended Prerequisite: Basic Computer Skills is recommended first if student's keyboarding skills are less than 25 words per minute.**

7331 Career Planning Grades: 9-11 .5 Credit

Do you know what you'll do with the rest of your life? Do you wonder if you will be successful in the career you think you want as an adult? Better yet, do you wish you even had a clue about what career you would enjoy? Have you started to think about what happens after high school? How much money does it take to live anyway? If you are interested in figuring out what you want out of life and becoming confident that you will be able to make that happen for yourself, sign up for Career Planning! YOU are the topic of study! Discover what aspects of your life should be looked at when choosing a career. This class is appropriate for all students whether college bound or not. You'll end the semester better equipped to make your life a success.

7402 Yearbook Grades: 9-12 1.0 Credit

The Capital Dome staff publishes the school yearbook. Members choose a theme, design the cover, lay out pages and prepare copy via desktop publishing, take and crop photos, and sell the annuals and ads. Members will spend considerable time outside class as necessary – including weekends and summer camp. Strong writing skills are required, and interest in journalism, art, business, and computers is encouraged. This elective course focuses on making and completing yearbook layouts. Any student wanting to be in Yearbook 2 must be enrolled in this course. **Eligible for VOC credit, with counselor approval. Prerequisite(s): Application and selection required.**

7309 Robotics Grades: 9-12 1.0 Credit

Introduction to Robotics will offer students the opportunity to design, build and program a variety of robots using state of the art materials and programming languages, as they apply the fundamentals of science, math, and technology. The course will introduce the engineering process as students work through constructing robots. This robotics course does not replace the traditional math and science courses needed to pursue a degree in engineering. It is meant to supplement the students' content experience so students considering an engineering career will appreciate the connection between robotics and engineering. Students will apply core concepts of traditional sciences such as physics, chemistry, and biology in the engineering/robotics pathway. Students will learn to use two different programming languages. Students should have a high interest in robotics. **Prerequisites: Algebra I (B or higher is recommended) and keyboarding skills.**

7400 Marketing Ed. 1 Grades: 9-12 1.0 Credit

Marketing is intended for those who want to learn marketing operations and develop basic employment skills. If you want to continue your education in business administration, management, marketing, advertising, and public relations or simply choose to enter the business world, give this course serious thought, you will receive experience in business communications, sports and entertainment marketing, product development, advertising-including television & radio production and newspaper layout and design, sales, customer service and shoplifting and security issues. This class allows for opportunities in DECA which plans and implements Night to Shine and options to compete Vocational or elective credit can be applied into this class.

FAMILY & CONSUMER SCIENCE COURSE SEQUENCES

Child Development (10-12)	Culinary Arts 1 & 2 (9-12)	Culinary Arts 3 (11-12)
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FCCLA STUDENT ORGANIZATION

Open to all students enrolled in or who have had a Family & Consumer Science Class

7535 Culinary Arts 1-2 **Grades: 9-12** **1.0 Credit**

This is a year-long course that provides students with a basic knowledge and application of food preparation skills within a lab setting. Students will gain an understanding of: food safety and sanitation, healthy food selection and preparation skills, and consumer skills that will allow for more informed decisions. The nutritional component looks at nutrition as it relates to good health and the concept of eating “whole” foods vs. convenience foods. The second part of the class focuses on more advanced cooking skills, provides an opportunity for creativity, and explore careers that relate to the Culinary/Hospitality Industry.

Fees: \$45.

BIOMEDICAL SCIENCES OPTIONS

PROJECT LEAD THE WAY® BIOMEDICAL SCIENCES Project Lead The Way® Biomedical Sciences program is a high school program designed for students interested in Health Science careers. The program is divided into four sections, each section building upon the previous. This dynamic program uses hands-on, real-world problems to engage and challenge students.

Students interested in math, science, and the human body will find the PLTW Biomedical Sciences program a great introduction to the numerous medical fields. It will also teach them how the skills they learn are used in the biomedical sciences. The Biomedical Sciences program is integrated into the high school curriculum. It is designed to augment the high school science and math college preparatory programs to establish a solid background in biomedical science. Courses count for either Career and Technical Education or general elective credit however they DO NOT replace any college preparatory science classes.

7610 Principles of Biomedical Sciences (BioMed 1) **Grades: 9-11** **1.0 Credit**

In this course, students explore concepts of biology and medicine as they take on roles of different medical professionals to solve real-world problems. Over the course of the year, students are challenged in various scenarios including investigating a crime scene to solve a mystery, diagnosing, and proposing treatment to patients in a family medical practice, to tracking down and containing a medical outbreak at a local hospital, stabilizing a patient during an emergency, and collaborating with others to design solutions to local and global medical problems.

Specialized Courses

8261 Native American Tutoring**Grades: 9-12****0 Credit**

Native American Tutoring is an ungraded course that is dedicated to help Native American students achieve academic success by giving them an extra class period of quiet continuous study time to complete work from other classes. This course is staffed by an academic tutor who works with students on homework, organization, and communication between home and school. *Prerequisite(s): Students must have a current Title VII Student Eligibility Certification Form (506 Form) on file, available from your school counselor or Indian Education Tutor.*

8510 Study Hall-S1**Grades: 9-12****0 Credit**

8512 Study Hall-S2**Grades: 9-12****0 Credit**

Study Hall is an ungraded course that is dedicated to help students achieve academic success by giving them an extra class period of quiet continuous study time to complete work from other classes.

Physical Education and Health

A minimum of 1.5 HP and .5 HE are required.

Physical Education and Health Course Offerings			
Grade 9	Grade 10	Grade 11	Grade 12
Required (pick one)	All students take both	No PE Requirements	No PE Requirements
Frosh Physical Education	Health		
Freshman Weight Training	Soph Physical Education	PE Electives	PE Electives
	PE Electives	Personal Wellness	Personal Wellness
	Personal Wellness	Physical Conditioning (Weights)	Physical Conditioning (Weights)
	Physical Conditioning (Weights)	Unified PE	Unified PE
	.	Lifetime Sports	Lifetime Sports

Hygiene-For all Physical Education classes changing into and out of physical education attire is a requirement.

Safety - Students will need to wear a pair of athletic shoes each day.

School Issued Equipment - All students will be assigned a school issued lock and locker for use each day. It is the responsibility of the student to turn in the lock at the end of the semester/school year.

9100 Frosh Physical Education **Grade: 9** **1.0 Credit**

This course uses differentiated instruction to promote an environment where all ability levels can be successful in physical education. Freshman PE focuses on group participation in enjoyable activities that promote athletic skill development, and active and healthy living. Students will engage in a variety of team sports and games like basketball, volleyball, flag football, rugby, and ultimate frisbee, as well as fitness activities like circuit training, cycling, and strength training. The focus will be on achieving and maintaining physical fitness, while understanding the value of physical activity for health and social interaction. **This class satisfies the freshman physical education credit.**

9343 Freshman Weight Training **Grade: 9** **1.0 Credit**

A physically demanding class where students will gain a comprehensive understanding of weight training and its place in the world of fitness. Some topics that will be covered include, but are not limited to power lifting, body building, functional fitness, circuit training, flexibility, mobility, speed training, and goal setting. **This class satisfies the freshman physical education credit.**

9106 Personal Wellness-S1 **Grades: 10-12** **.5 Credit**

9107 Personal Wellness-S2 **Grades: 10-12** **.5 Credit**

The primary focus of this class is to guide and motivate students to engage in regular physical fitness in an encouraging and inclusive environment. Through participation in a variety of enjoyable activities, students will understand the benefits of physical activity and how exercise can improve their emotional, mental, physical and social health. Personal Wellness will focus on life-long fitness enhancing activities. *Personal Wellness is an elective open to all students in grades 10-12.*

Counseling Department

Counselor	Email	Phone	Last Names
Mr. Jeramie Robinson	jrobinson@helenaschools.org	324-2493	A-D
Mrs. Dana Meldrum	dmeldrum@helenaschools.org	324-2491	E-K
Ms. Laura Funk	lfunk@helenaschools.org	324-2492	L-Ri
Mrs. Sara Berg	sberg@helenaschools.org	324-2490	Ro-Z

CHS School Counselors are available to assist students with course selections, schedule changes, transcripts, scholarships, awards, and college admissions requirements. Counselors will present registration information to all CHS students during the registration process. Please feel free to call or e-mail your student's counselor with questions or concerns.

CHS College & Career Center

Career Center Coordinator: 324-2483

Website: <https://chs.helenaschools.org/about/counseling-career-center/>

The Career Center is open daily, 7:30 am-3:30 pm

The Career Center offers a resource library with information about careers, colleges, vocational education, military services, apprenticeship programs, ACT and SAT applications and preparation materials, financial aid information, **scholarship listings and resources**, job opportunities and more. The Career Center has many resources available on the CHS website.

The Career Center Coordinator provides guidance in career and college planning and exploration, arranges college and military visits, coordinates lunch workshops, manages resource materials, and advises students, parents, and faculty.

Career Cruising is an Internet-based career exploration and planning tool used by students to explore career and college options and develop a career plan. Guidance counselors present college and career planning lessons each year utilizing Career Cruising. Students complete interest and skills inventories that link them to careers and colleges. Students discover their learning style which helps them to develop healthy and successful learning habits. Students create a resume which can be updated and accessed at any time for job applications. The Career Center Coordinator uses the college and job links to connect students with College representatives, scholarship information and college program information. Career Cruising can be accessed from school, from home, or wherever students have access to the Internet at www.careercruising.com



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Planning Your Graduation

Graduation Requirements	Grade 9	Grade 10	Grade 11	Grade 12
ENG: 4.0 Credits				
SST, USH & AMG: 3.0 Credits				
MTH: 3.0 Credits				
SCI: 2.0 Credits				
FA: 1.0 Credits				
VOC: 1.0 Credit				
HP: 1.5 Credits HE: 0.5 Credits				
ELECTIVES: 7.0 Credits <i>These include Foreign Language courses, department electives, and any other courses you elect to take beyond the minimum requirement.</i>				
*CREDIT REQUIREMENT: 23.0				

***This is the credit minimum for earning your diploma at CHS. Please pay extra attention to specific requirements for BEAR, HEF, MUS Rigorous Core, Etc.**