

*Bridge Creek High School
Course Description
And Graduation
Requirements Guide*



2021-2022

Revised 4/20/21

Daily Schedule

Students will attend academic classes 1st -7th hours.

HOUR	TIME
1st	7:30-8:25
ENCORE	8:25-9:05
2nd	9:09-10:00
3rd	10:04-10:55
4th	10:59-11:50
5th	11:54-1:15
6th	1:19-2:15
7th	2:19-3:10

Assessment Requirements

70 O.S. § 12.10.508

For the graduating class of 2018, school districts are required to adopt a plan that establishes the assessment(s) those students are required to take in order to graduate from public high school with a standard diploma.



For the 2017-18 school year, students will take assessments in English Language Arts, Mathematics and Science in compliance with the Every Students Succeeds Act that are aligned with the Oklahoma Academic Standards. State law also requires students to be tested in U.S. History once during high school. New assessment requirements and new graduation requirements are to be adopted by the State Board of Education.

Beginning with students entering the ninth grade in the 2017-18 school year (graduating class of 2021), each student is required to take the assessments included in the statewide students assessment system as adopted by the State Board of Education in order to graduate from a public high school with a standard diploma. Each student will also be required to meet any other high school graduation requirements adopted by the State Board of Education.

Beginning in 2017-18, districts are required to report on the transcript a students' highest-achieved score on the assessments included in the statewide student assessment system adopted by the State Board of Education and any business- and industry recognized endorsements attained.

CPR/AED Training:

O.S. § 1210.199

All students in grades 9th-12th will receive instruction in CPR, participate in hands-on-practice and become aware of the use of AEDs (automated defibrillator) at least once between 9th grade and graduation.

Personal Financial Literacy Requirement

(Title 70 O.S § 11-103.6h)

In order to graduate from the public high school, students must complete and demonstrate satisfactory knowledge in 14 areas of instruction related to financial literacy, including such topics as credit card debt, saving money, interest, balancing a checkbook, understanding loans, identity theft, and earning an income. School districts have the option of determining when the areas of instruction are taught and whether these are integrated into existing courses or taught as a separate course (which may count as an elective credit.)

Student Progress Toward High School Graduation

(check/record completed courses each semester/year) *1 unit = 2 credits

<p>English: (4 units) integrated grammar, composition and literature:</p> <ul style="list-style-type: none"> ● English I ● English II ● English III ● English IV or completion of Concurrent Comp. I and Comp. II 	<p>Social Studies: (3 units)</p> <ul style="list-style-type: none"> ● Oklahoma History (one semester) ● World History ● U.S. History ● U.S. Government (one semester) or concurrent American Federal Government (one semester)
<p>Mathematics: (3 units) Limited to Algebra I, Geometry, Algebra II, Pre-Calculus, or any math course with content and /or rigor above Algebra I and approved for college admission. <u>Students who enter ninth grade with high school math credits must earn at least four additional math credits during grades 9-12 to fulfill this requirement.</u></p> <ul style="list-style-type: none"> ● Algebra I ● Geometry ● Algebra II ● Any math beyond Algebra II 	<p>Science: (3 units) Physical Science, Biology I, plus one additional laboratory sciences.</p> <ul style="list-style-type: none"> ● Physical Science ● Biology I ● Chemistry or Physics ● Science _____ <p>Third year science options: Forensic Science, Zoology, Anatomy or Chemistry II</p>
<p>State Law Requirement:</p> <ul style="list-style-type: none"> ● CPR Training/AED Training ● Personal Financial Literacy <p>State ACT Testing: 70 O.S. § 1210.508</p> <ul style="list-style-type: none"> ● English Language Arts – 11th Grade ● Mathematics – 11th Grade ● Science – 11th Grade ● US History – Upon course completion 	<p>Two courses of the following:</p> <ul style="list-style-type: none"> ● Foreign Language: Spanish I ● Foreign Language: Spanish II <p>OR</p> <ul style="list-style-type: none"> ● Computer Technology I _____ ● Computer Technology II _____ <p>Additional Unit: One additional unit selected from any courses listed previously (fourth year of math can fulfill this requirement).</p>
<p>Students must earn at least 26 credits to graduate.</p> <p>Core classes:</p> <ul style="list-style-type: none"> ● English (4 credits) ● Math (3 credits) ● Science (3 credits) ● Social Studies (3 credits) ● Foreign Language (2 credits) OR ● Computer Technology (2 credits) ● Art (1 credit) ● Additional Units (1 credit) <p>The remaining credits will come from core or elective courses.</p>	<p style="text-align: center;">GRADE LEVEL CLASSIFICATION:</p> <p>Students should earn 7 credits per school year in order to be promoted to the next grade level.</p> <p>Freshman = 7 credits Sophomore = 14 credits Juniors = 21 credits</p> <p>By the end of the senior year, students must have earned at least 26 credits to graduate.</p>

State Law Requirements



Bridge Creek High School Concurrent Enrollment Policy

BCHS Required Course:	First Semester Required Concurrent Enrollment:	Second Semester Required Concurrent Enrollment:
English IV	English Composition I	English Composition II
4 th Yr. Mathematics	Any college math course that is freshman level or higher. Remedial math is not allowed	ANY
US Government	US Government	ANY

Students have the opportunity to earn college credit while still in high school with concurrent enrollment through Oklahoma City Community College, or another local university or college. Twelfth grade students, if they meet the requirements set forth by the college or university, may be admitted and enrolled in corresponding subject areas.

If a student chooses to enroll concurrently for high school credit in a required course, they will complete that credit concurrently. For example, a student enrolled in a college course for a one-semester high school course will not be permitted to begin the course then return to the high school mid semester to complete the semester of credit. On that same note, students must remain enrolled in seven hours of coursework. Therefore, if the concurrent class is dropped, the student must immediately report to the counseling office to discuss options and re-enroll in high school coursework.

Withdrawing from Concurrent:

- *Students are responsible to report any changes in their concurrent enrollment status to their school counselor immediately to allow for a schedule changes. Failure to report withdrawal from college courses will result in academic consequences.*
- *Students who drop any concurrent course within the first 21 days of the semester may enroll in a BCHS course for full credit. After 21 days and the student will not receive a grade for the class enrolled.*
- *A grade of "WP" or "WF" will be entered on the student's transcript to indicate the student has not successfully completed the college course. All "WP" and "WF" grades will be computed into the student's transcript the same as a "NC" which will compute the same as a failing grade.*
- ***Students will be required to turn in a weekly grade check for all concurrent classes enrolled in on Thursday of each week. Failure to do so will result in being placed "ineligible" on the eligibility list.***
- ***Students who receive a W, WP, WF or F will not be allowed to enroll the following semester.***

Bridge Creek Valedictorian/Salutatorian Policy

Valedictorian

Minimum Weighted GPA 4.0

4 years of Math, Science, English, History (Must take either Chem II, Forensics, Anatomy, Physics)

2 Concurrent classes (college)

ACT of 28

Salutatorian

Must have 4 years of Math, Science, English, History and 2 concurrent classes (college) and either a weighted GPA of 4.0 or a 26 on the ACT. Must have a minimum of a 23 on the ACT.

The valedictorian/salutatorian requirements will be taken at the end of the first semester of 12th grade. All students must be enrolled in the appropriate classes the spring of the 12th grade year to satisfy the 4-year requirement. All online classes must be completed prior to entering the second semester of their senior year.

- **Any student who receives a W, WP, WF or F will not be considered for a Valedictorian/Salutatorian.**

Certificate of Distinction

Students who meet the specified requirements will be recognized as graduates of distinction. Advanced placement classes and concurrent classes in the subject areas may be substituted on a course-by-course basis to satisfy the academic units required for a certificate of distinction.

- 4 units of English
- 4 units of Mathematics
- 4 units of Social Studies
- 4 units of Science
- 2 units of Foreign Language
- 2 additional units in the area of Technology, the Humanities, or the Arts
- Must have a minimum of 3.25 grade point average on a 4.0 scale

The certificate of distinction requirements must be met prior to the end of the 1st semester of the 12th grade year, with the exception of what will be enrolled their 2nd semester of their 12th grade year.

- **Any student who receives a W, WP, WF or F will not be considered for a Certificate of Distinction.**

GRADE POINT SYSTEM

In order to compute averages for the awarding of honors and to determine class rank, letter grades will be assigned these number values:

	A	B	C	D	F
Concurrent Enrollment Course	5.0	4.0	3.0	2.0	0
Honors Course	4.5	3.25	2.25	1.25	0
Other Course	4.0	3.0	2.0	1.0	0

GRADING SCALE 100 – 90 A 89 – 80 B 79 – 70 C 69 – 60 D 59 – 0 F

No pluses (+) or minuses (-) will be given.

OKLAHOMA'S PROMISE REQUIREMENTS

1. The family income of the student's parents may not exceed \$55,000 at the time of enrollment in the eighth-, ninth- or 10th grade.¹ In addition, prior to receiving any program benefit in college, the federal adjusted gross income (AGI) of the student's parents (or the income of the student if the student is officially determined to be financially independent of their parents) may not exceed \$100,000. Each year in college Oklahoma's Promise students will be required to complete a Free Application for Federal Student Aid (FAFSA), which will be used to determine whether the federal adjusted gross income exceeds \$100,000. For any year that the income exceeds \$100,000, the student will not be eligible to receive the program benefit.
2. Take 17 units of required high school courses to help get ready for college.

Units	Courses
4	English (grammar, composition, literature; courses should include an integrated writing component)
3	Lab science (biology, chemistry, physics or any lab science certified by the school district; general science with or without a lab may not be used to meet this requirement)
3	Mathematics (Algebra I, Algebra II, geometry, trigonometry, math analysis, pre-calculus, statistics and probability [must have completed geometry and Algebra II], calculus, Advanced Placement [AP] statistics)
3	History and citizenship skills (including one unit of American history and two additional units from the subjects of history, economics, geography, government, non-Western culture)
2	Foreign or non-English language (two years of the same language) or Computer technology (two units in programming, hardware and business computer applications, such as word processing, databases, spreadsheets and graphics, will qualify; keyboarding or typing classes do not qualify) (1 foreign language and 1 computer course will not meet this requirement.)
1	Additional unit of subjects listed above
1	Fine arts (music, art, drama) OR Speech
17	Total Units

3. Make a cumulative 2.50 GPA for all courses in grades 9-12.
4. Make a cumulative 2.50 GPA or better in the 17-unit OK Promise core curriculum.²
5. Do your homework.
6. Don't skip school.
7. Don't abuse drugs or alcohol.
8. Don't commit criminal or delinquent acts.
9. Meet with a teacher, counselor or principal to go over your schoolwork and records.
10. Provide information when requested.
11. Apply for other financial aid during your senior year of high school.
12. Take part in Oklahoma's Promise activities that will prepare you for college.
13. The student must be a U.S. citizen or lawfully present in the United States at the time they enroll in college in order to receive the scholarship.

**Homeschool students and students graduating from a high school not accredited by the Oklahoma State Board of Education must also achieve a composite score of 22 or higher on an ACT test reported on an official test report issued by ACT. "Residual" ACT test scores do not qualify.*

Oklahoma Academic Scholar Requirements for Recognition

Graduating seniors who meet all of the requirements listed below shall be recognized by the local school district and the State Board of Education as an Oklahoma Academic Scholar:

- Accumulate over Grades 9, 10, 11 and the first semester of Grade 12, a minimum grade point average of 3.7 on a 4.0 scale or be in the top 10% of their class.
- Complete (or will complete) the curricular requirements for a standard diploma.

4 units of English – Grammar, Composition, Literature

3 units of Math – Algebra I, Geometry, Algebra II, Pre-Calculus, or a course above Algebra I

3 units of Science – Physical Science, Biology I, Zoology, Forensic Science, Chemistry, Chemistry II or Physics

3 units of Social Studies – Oklahoma History, Government, US History, World History

- Achieve a 27 composite score on the ACT or 1220 combined reading and mathematics score on the SAT 1. The ACT or SAT 1 must have been taken on a national test date.

FINE ARTS

ART I Course # 2808

Grades 9-12

Art I is a course of instruction focusing on the *Elements of Art* and the *Principles of Design* in 2-D drawing, painting, printmaking and an introduction to three-dimensional sculpture. Students will demonstrate their knowledge of the *Elements and Principles* in various projects that promote creative thinking, problem solving, and the practice of technical skills. Art I is the first high school art course and offers the student an introduction to the production, aesthetics, criticism, history and careers in the visual arts field. Students will participate in an BCHS Art Show and Auction in May, along with other creative competitions as designated by the instructor. The school will provide some supplies (such as paint, ink, charcoal, pastels, papers, etc.). However, ***students will be financially responsible for some individual supply costs.***

ART II Course # 2809

Grades 10-12

Prerequisite: Successful Completion of Art I (C or Better) Art II is the continuation of Art I with a review and application of the *Elements of Art* and the *Principles of Design*. Art II focuses on the exploration of different media, technical skills and techniques in creating and problem solving. The student will explore more diverse styles of art and subject matter using more advanced materials and three-dimensional projects. Students will participate in the BCHS Art Show and Auction in May, as well as other creative competitions. The school will provide some supplies (such as paint, ink, charcoal, pastels, paper, etc.). However, ***students will be financially responsible for some individual supply costs.***

ART III Teacher Recommendation

Grades 11-12

Prerequisite: Successful Completion of Art II & Approval of Art Teacher Art III is a teacher-guided independent study course and a continuation of Art II. The student will use their knowledge of the *Elements of Art* and the *Principles of Design* to experiment with their own creative style and conceptual ideas. Students will examine the work of the masters throughout history to assist in the development of their own style of art. Advanced materials will be used according to the syllabus coordinated by student and teacher at the beginning of the year. Second semester, students will work towards building a portfolio of artworks that will present their own unique and cohesive artistic style. Creative competitions will be required, along with participation in the BCHS Art Show and Auction in May. ***Students will be financially responsible for some individual supply costs.***

ART IV Teacher Recommendation

Grade 12

Prerequisite: Successful Completion of Art III & Approval of Art Teacher Art IV is a teacher-guided independent study course and a continuation of Art III. Experimenting with different styles and methods of art making, the student will use advanced materials according to the syllabus coordinated by student and teacher at the beginning of the year. Creative competitions will be required, along with a portfolio of their unique and cohesive artistic style that will be presented during the annual BCHS Art Show in May. ***Students will be financially responsible for some individual supply costs.***

MUSIC APPRECIATION Course # 3053

Grades 9-12

This course will focus on exploration of music through the Oklahoma Academic Standards. There will be an emphasis on the elements of music, music vocabulary and the development of music from a historical and cultural perspective. Students will extend their listening and understanding beyond music currently familiar to the student. Grading will include but not be limited to projects, listening lab assignments, tests, applied music activities and semester test.

ADVANCED CHOIR Course # 3071 (Audition Required) Grades 9-12

This course will focus on applying the elements of music to singing. There will be an emphasis in music theory and vocabulary, ear training skills, and vocal technique beyond that of Mixed Choir. The student will be performing a variety of repertoire to include contest appropriate repertoire. Advanced Choir students participate in community performances, concerts and competitions.

MIXED CHOIR Grades Course # 3071 Grades 9-12

This course will focus on applying the elements of music to singing. There will be an emphasis in music theory and vocabulary, ear training skills, and vocal technique at a beginning/middle level. The student will be performing a variety of repertoire to include contest appropriate repertoire in 3 parts. Mixed Choir students participate in community performances, concerts and competitions.

TREBLE CHOIR Grades Course # 3071 Grades 9-12

This course will focus on applying the elements of music to singing. There will be an emphasis in music theory and vocabulary, ear training skills, and vocal technique at a beginning level. The student will be performing a variety of repertoire to include contest appropriate repertoire in 3 parts, all which is within the Treble Clef range. Treble Choir students participate in community performances, concerts and competitions.

HIGH SCHOOL BAND Course # 3007 Grades 9-12

This group includes both marching and concert bands and students are required to participate in both areas. The marching season begins in late July and extends through football season. Students are required to attend the preschool marching rehearsals starting in late July. Students are encouraged to participate in solo and ensemble contests. Early morning (before school) rehearsals will be held periodically throughout the year and attendance is required. Previous knowledge of an instrument is required before enrolling in Band. Students are required to attend all functions of the band and to devote time to improving themselves on their instruments. NOTE: All students enrolling in band must enroll in the early schedule.

HIGH SCHOOL JAZZ Course # 3022 Grades 9-12

This course is for the serious musician intent upon advancing his/her talent in instrumental music. Self-discipline, poise, self-confidence, positive attitude, and cooperation with others are qualities that are nurtured in this class. Performance is stressed. All types of pop music are studied: ballad, rock, swing time and improvisation. Students are selected from the High School Band and must remain members in good standing of the Bridge Creek High School Band.

COMPUTER COURSES

COMPUTER PROGRAMMING I (COMPUTER DISCOVERIES) Course # 2531 Grades 9-12

This is an introduction to computer science. The course will focus on the process of creating and designing solutions for a digital world across a variety of media. Students will learn basic programming skills for creating web pages with HTML and CSS. Other programming projects will include creating basic games with Javascript, as well as an introduction to programming mobile apps and simple electronics with Javascript. Students will see how basic skills in one language are transferable to other programming languages as we further investigate developing games and animations in Scratch.

COMPUTER PROGRAMMING II (COMPUTER PRINCIPALS) Course # 2532 Grades 10-12

This is a deeper investigation into Computer Science where students investigate how networks send and receive information, and how data is encoded. Students will learn more about how to use programming structures by building interactive applications with Javascript, and also how data is collected and analyzed from our devices. In addition to the course work. Students will have the opportunity to choose their own projects to develop skills that are relevant to their interest such as graphic design, game development, other programming languages, or game development.

FUNDAMENTALS OF TECHNOLOGY (COMPUTER FOUNDATIONS) Course # 2558 Grades 9-12

This class is designed to help the student use the computer for personal use and also as a business tool. To be successful in our technological world, students will create work using Word, Excel, PowerPoint, Publisher, and create graphics, spreadsheets, create advertisements for marketing and presentations.

Students will spend a couple of weeks at the beginning of the class improving their typing speed and accuracy.

Word will be used, illustrating how to use the basic formatting tools, margins, justification, fonts, line spacing, etc., and how to format letters, resumes, business reports, etc.

Excel will be used to understand how to do spreadsheets, create graphs, do payroll and calculations using formulas for personal use and for a business.

For the most part, assignments are for the individual instead of a group.

There will be online research for assignments.

WEB DESIGN Course # 2556 Grades 9-12

Create and manage websites for the district, school sites, athletics, and activities. Learn to generate original online content while also informing the community about the district.

ELECTIVES

YEARBOOK Course # 4240

Grades 9-12

Students create the High School Yearbook for publication and distribution to the student body. Students are involved with and have a high degree of ownership in every aspect of the yearbook. Students will take and edit pictures from events during the year, design layouts, and create each page of the yearbook. Students are allowed to be in yearbook for multiple years as an elective credit to further build their creative skills. This course is by permission only, interested individuals should see the yearbook sponsor for approval into the class.

ROBOTICS Course # 3571

Grades 9-12

Robotics is a competition team and community service organization. The team competes in the FIRST Tech Challenge, designing a robot and taking it to competition with the intent of competing at the world championship in April. Students are expected to be self-motivated as they envision and bring to life their own contributions to the building, programming and service projects the team engages in. The robot is programmed in android studio using JAVA, built with a variety of stock parts, and custom made 3D printed parts. These projects often extend beyond the regular school day and flexibility is required in scheduling an appropriate amount of time to complete task. Weekly after school work days as well as the occasional weekend, and holiday workdays are typical expectations especially as the team prepares for competitions on the local and national level. Students are expected to contribute across a variety of service projects including designing and offering robotics opportunities to middle school and upper elementary students. Past service projects have also included, working with other local FTC teams, travelling to the OU Children's Hospital, the Governor's STEM Summit, the state fair, Oklahoma Science Teachers Association, and the White House Science Fair. Due to travel and registration cost students also contribute financially to the team, and help with fundraising, these cost vary from year to year depending on donors and number of events the team qualifies for.

PERSONAL FINANCE Course # 1451 (State Requirement)

Grade 12

The 13 STANDARDS for PERSONAL FINANCE from the State of Oklahoma include the following objectives: These standards will be covered by WEOKIE CREDIT UNION LESSONS and DAVE RAMSEY SERIES.

PHYSICAL EDUCATION COURSES

CONDITIONING Course # 3331

Grades 9-12

This course is for all students wanting to develop and learn how to use different types of workouts to gain overall strength as well as flexibility. We will also examine how good eating habits and different types of food can fuel your body and help with your overall health. We will learn the differences between Dynamic and Static stretches as well. (If you are in athletics you need to get permission from your coach first.)

LANGUAGE ARTS/JOURNALISM

ENGLISH I Course # 4045

Grade 9

Language Arts skills, such as reading comprehension and interpretation, are built upon and expanded. Multiple genres of literature including but not limited to: Epic Poems, Shakespeare, and works of fiction, are stressed, and composition techniques, including writing and conducting research for an essay, are expanded. Grammar and usage skills are reviewed and extended. Vocabulary skills, especially reading in context, are increased. Students will also work toward expanding their knowledge of ACT standards through daily bell work. Self-motivation and a willingness to succeed are essential for success in English I.

ENGLISH II Course # 4048

Grade 10

Language Arts skills, such as reading comprehension and interpretation, are built upon and expanded. Multiple genres of literature are studied and analyzed including but not limited to: Shakespeare, poetry, short stories, novels, and legends. Composition techniques, including multi-paragraph essays, grammar, punctuation, mechanics, spelling, and usage skills are reviewed and expanded. Students will also work toward expanding their knowledge of ACT standards through practice testing. Self-motivation, responsibility, a willingness to succeed, and the successful completion of English I are essential for success in English II.

ENGLISH II HONORS Course # 4048H

Grade 10

Language Arts skills, such as reading comprehension and interpretation, are built upon and expanded. Multiple genres of literature are studied and analyzed including but not limited to: Shakespeare, poetry, short stories, novels, and legends. Composition techniques, including multi-paragraph essays, grammar, punctuation, mechanics, spelling, and usage skills are reviewed and expanded. Students will also work toward expanding their knowledge of ACT standards through practice testing. Self-motivation, responsibility, a willingness to succeed, and the successful completion of English I are essential for success in English II Honors.

ENGLISH III Course # 4051

Grade 11

The focus of this course is on American literature and composition. Students will use critical thinking skills to analyze and evaluate a variety of fiction and nonfiction (informational) texts. Coherent, clear, and effective communication will be developed through a variety of writing experiences. Students will sharpen grammar, usage, and mechanics, and vocabulary skills through activities and writing assignments. A research paper and/or research projects are required for this course. Multiple choice, open-response, and essay assessments will measure students' progress.

Prerequisite: Completion of English I, II

ENGLISH III HONORS Course # 4051H

Grade 11

The Honors course is differentiated from the regular English III course by the level of text and composition difficulty and the expectation that students will work outside the classroom.

ENGLISH IV Course # 4054

Grade 12

Prerequisite for Success: **Completion of English I, II, and III**

Students in English IV will demonstrate language arts skills such as research, writing and editing, synthesizing and analyzing through reading comprehension, and articulating via class discussion. Students will explore literary contexts with a focus on British literature. Major texts will include *Beowulf*, *The Canterbury Tales*, *Macbeth*, and *Gulliver's Travels*, along with various short stories, poems, and nonfiction selections. Students will analyze literature via reading journals. A formal research paper written in MLA format will be required. A research presentation will also be required. Students will write a personal essay, a critical analysis essay, an argumentative essay, and a college scholarship essay. Students will participate in peer editing and rewriting activities. Vocabulary development and application will be emphasized throughout the course.

MYTHOLOGY

Grade 11/12

The teaching of mythology provides many varied benefits to high school students. Students come in contact with a variety of world cultures while comparing those cultures to their own. Mythology also teaches history by examining ancient times and their effect on the modern world. The study of Greco-Roman and Norse mythology also strengthens students' understanding of language since many English words are derived from characters and events found within. It can also increase students' appreciation for Literature and art by understanding the many mythological allusions. By studying ancient mythologies, students also start thinking analytically about modern culture, analyzing the traces of ancient mythology left behind and the archetypal legends that have been created in their own day.

This course will be divided into Greek and Norse Mythology. As a class we will study the stories through scripts and discuss the cultural themes and how history and traditions impact our culture today.

MATH

ALGEBRA I Course # 4411

This course is built on the Oklahoma State Standards joined with the ACT standards for College and Career Readiness. Students will deepen their understanding of number concepts, linear relationships, data collecting and sharing, along with function notation and function relationships. Algebra I will prepare students for Geometry and Algebra II as well as learning life lessons to prepare them for a working environment through the use of real world applications.

GEOMETRY Course # 4520

Prerequisite: Algebra I

Logic and reasoning skills are the foundation of Geometry. In this course we will use the Oklahoma State Standards joined with the ACT standards for College and Career Readiness to build on the mathematical skill already learned and look at our world of shapes. Surface area and volume will open the door to various real world applications as will right triangles and

circles. Students will use logic and reasoning to prove various true fundamentals to mathematics.

ALGEBRA II Course # 4409

Prerequisites: Algebra I and Geometry

Deepening the knowledge of functions and mathematics is the goal of Algebra II. We will use the Oklahoma State Standards joined with the ACT standards for College and Career Readiness as the guidelines. Students will continue strengthening and growing in their knowledge of number sense and algebraic operations with a focus on relations and functions in addition to data analysis, probability, statistics and complex numbers. Students will solve, graph, and interpret non-linear equations which will open the doors to high level mathematics.

ALGEBRA III Course # 4413

Prerequisites: Algebra I & II and Geometry

Students in Algebra 3 expand their repertoire by working with rational and exponential expressions, as well as polynomial, exponential, and logarithmic functions. As students encounter more and more varied mathematical expressions and functions, general principles they encountered in Algebra 2 remain relevant, unifying the material in the course.

PRE-CALCULUS Course # 4611

Prerequisites: Algebra I, Geometry and Algebra II

Trigonometric Functions are the foundation of this course. Students will learn the basic six trigonometric functions and their world applications. Students will also solve conversions of radians to degrees and degrees to radians in addition to a greater depth of knowledge of right triangles and oblique triangles. Graphs will be discussed in polar and rectangular forms while converting from one form to the other.

CALCULUS Course # 4612 Prerequisites: Algebra I, Geometry , Algebra II and Pre-Calculus

Students will learn the three main concepts of calculus including limits, differentiation, and integration in this course. Within each of the three main concepts students will learn common applications of the concepts. This will include problems such as solving for extrema, related rates problems, optimization problems and many others. Whereas a review of trigonometric functions is given at the beginning of this course, the student needs a working knowledge of the functions and their applications in order to succeed in this course.

SCIENCE

Anatomy and Physiology Course # 5333

Grades 11-12

This rigorous college-preparatory elective science course includes a detailed study of many human body systems. Homeostatic balance, the relationship between structure and function and the interrelationships between body systems are a focus throughout the course. This course is recommended for students interested in a health-related career, especially those students who plan to study medicine, nursing, physical therapy, and athletic training. The course may also be helpful for those students who plan to enter education as a life science, biology or physical education teacher. Laboratory activities will include several microscopic analyses of tissue specimens as well as several dissections to accompany the subject matter.

Forensic Science Course # 5334FS**Grades 11-12**

Forensic science is the application of science to criminal and civil laws. This course will study relevant scientific and technological principles and techniques that are used to solve crimes. Topics in this course are arranged to integrate scientific methodology with actual forensic application. This course will include a wide variety of laboratory methods and forensic cases to give students valuable opportunities for interactive hands-on experiences and to develop problem-solving and critical –thinking skills. A major independent study project will be assigned each semester.

Zoology Course # 5240**Grades 11-12**

Zoology is the study of animals and the principles that govern life. Topics include cell structure and function, molecular basis of heredity (genetics), biological evolution, classification and taxonomy, ecology, invertebrates, vertebrates, animal behavior and organisms in their environment, conservation, and preservation. The course is designed to teach students the basic principles of the diversity of life through the application of knowledge, classification, and laboratory investigation.

Biology Course # 5031**Grade level: 10 – 11****Prerequisite: None**

This course fulfills the state graduation requirement for life science. The topics addressed include: the cell, the molecular basis of heredity, interdependence of organisms, organization in living systems, matter and energy flow in living and nonliving systems, and the behavior of organisms. Laboratory investigations are an important part of the course. Biology is recommended by the ACT and Oklahoma Regents for Higher Education as a preparatory science course for college and the ACT Assessment.

PHYSICAL SCIENCE Course # 5160**Grade level: 9 – 11****Prerequisite: None**

This course fulfills the state graduation requirement for physical science. This course includes **introductory** principles of physics and chemistry as a basis for all further high school science courses. During the chemistry-focused section of the course, engaging investigations will lead to the discovery of structures, properties of matter, and chemical reactions and will include chemical formulas, equations, acids, bases, bonding, and the periodic table. The physics portion of the course will focus on motion, forces, gravitation, work, simple machines, energy, power, waves, light, and sound through means of scientific investigation. The class also addresses how physics and chemistry are used in daily life.

CHEMISTRY I Course # 5051**Grade level: 10 – 12****Prerequisite: Algebra I**

This course fulfills the state graduation requirement for physical science. This course deals with the fundamental concepts in the study of matter, its structure, properties, and composition, and the changes that matter undergoes. It is recommended for students planning a career in a science or medical field. Topics include atomic structure, bonding kinetic molecular theory, and solution chemistry. Laboratory experiments are used to help introduce and clarify topics covered. Major emphasis is placed on problem solving strategies and investigative

inquiry. Chemistry is recommended by the ACT and Oklahoma Regents for Higher Education as a preparatory science course for college and the ACT Assessment.

CHEMISTRY II Course # 5052

Grade level: 11-12

Prerequisite: Chemistry I, Algebra II

This course fulfills the state graduation requirement for physical science. Chemistry II continues where Chemistry I left off and is an honors level course. This course covers the fundamental concepts of the structure of matter and the changes it undergoes, kinetic molecular theory, solution chemistry, thermochemistry, reaction types including precipitation, acid-base, reduction oxidation, equilibrium, electrochemistry, and an introduction to organic chemistry. In this course, concepts are studied to a greater depth, laboratory procedures are more intricate, and more mathematical analysis is required. Laboratory experiments are used to help introduce and clarify topics covered. Major emphasis is placed on problem solving strategies and investigative inquiry. Chemistry is recommended by the ACT and Oklahoma Regents for Higher Education as a preparatory science course for college and the ACT Assessment.

SOCIAL STUDIES

US GOVERNMENT Course # 5541

Grade 12

Semester **Required for Seniors.** American Government will focus on the functions and events leading to the creation of the federal system. Comparisons will be made between different governmental and economic systems. The course will cover historical events that occurred in America from colonization until the War of 1812. Emphasis will be placed on the Constitution and the inner working of the three branches of government.

MODERN HISTORY Course # 5610

Grades 11-12

Semester class. This elective course will examine films from multiple perspectives of history. Students will also review and analyze primary and secondary sources to evaluate the historical accuracy of popular films.

OKLAHOMA HISTORY Course # 5615

Grade 9

Semester class. Required course for all Freshmen. Oklahoma History is a general survey course that examines the geographic and historic foundations of our state. Oklahoma's past is studied from its prehistory to the present. Particular emphasis is given to the relocation of the Five Civilized Tribes and the opening of the Indian Territory for white settlement. This semester course will include the cultural, economic, and political development of Oklahoma.

MILITARY HISTORY Course # 5789

Grade 9

This course will cover the military conflicts in which the United States has been involved. Conflicts from the American Revolution to the Persian Gulf War will be studied. The major emphasis will be on cause-effect relationships. There will also be military tactics and innovations from each conflict presented. Conflicts studied will include: the French and Indian War, the American Revolution, the War of 1812, the Mexican War, the Civil War, the Spanish American War, World Wars I and II, the Korean Conflict, Vietnam, and the Persian Gulf War will

be integrated into the course as well. A major emphasis will be placed on learning the focus and events in the world which led to each war and possible solutions that might lead to maintaining peace.

US HISTORY Course # 5410

Grade 11

Required course for all Juniors 11th grade U.S. History will cover the past of our country from the end of the Civil War to current times. We will look at and discuss the many different changes that have taken place in our country over the years, including, changes in society and America's role in the world.

WORLD HISTORY Course # 5731

Grade 10

This course is a survey of the history of mankind, which begins with prehistory and ends with the conclusion of the 20th century

All students are required to take the state-mandated exam in U.S. History.

SPANISH

SPANISH I Course # 3161

Grades 9-12

Spanish I is designed to help the student develop the basic language skills of listening, speaking, reading, and writing. It also expands the student's concept of the cultural background of the Spanish speaking world. Vocabulary is reinforced and speaking, reading and writing skills are developed.

SPANISH II Course # 3162

Grades 9-12

Prerequisite: Successful completion of Spanish I. This course is designed to help the students achieve a higher degree of mastery in the basic language skills of listening, speaking, reading, and writing. Vocabulary is reinforced, and speaking/writing skills are developed through a variety of methods.

FCCLA

FAMILY AND CONSUMER SCIENCE I Course # 3421

Grade 9-12

This is a comprehensive study intended to generate basic knowledge and skills in child development, clothing and textiles, consumer education, food and nutrition, housing and home furnishings, personal development, and family relationships. Attention is also focused toward assisting students in career exploration. Students are encouraged to join FCCLA to enhance their high school experience.

NUTRITION, FOOD & WELLNESS Course # 8405

Grades 10-12

Semester Supply Fee: \$20.00 per semester. **Must have passed FCS Basics (#3421)** class. Food Science and Nutrition is designed to help students apply science concepts and principles to their daily lives. Emphasis is placed on food handling and storage, food products and processing and application of specific food science principles. This course will also provide students with accurate information about foods and nutrition basics for making informed choices, address healthy food choices and the relationships among food, nutrients and the body. The class will help students build specific consumer skills important for success in the workplace and home. Using recipes, interpreting food labels, identifying strategies for purchasing and preparing foods, planning meals at home, applying a research-based food guidance system (the Food Guide Pyramid), and modeling appropriate rules of etiquette while eating at home or in professional situations are examples of units and concepts which address this goal.

MATC

(Mid-America Technology Center)

CLASSES

Equine Production – This program is designed to introduce students to the care and management of horses. Students will learn about feeding and skills needed to operate a healthy environment for horses. 2/3 of the time is spent in the barns working with horses.

Health Careers Explore – Health Careers Explore is designed for students with an interest in the healthcare industry. It is an introductory class that provides information and opportunities for making an informed choice about which area of healthcare a student might be most interested in.

Therapeutic Health Careers – This program is ideal for students who are interested in physical therapy or athletic training.

Pre-Engineering – Students in this program will learn how engineers use math, science and technology to solve problems. Pre-Engineering prepares high school students for success in colleges of engineering.

Criminal Justice – This program is an introduction to all types of law enforcement careers, such as police officers, military, security and prison guards.

Emergency Medical Technician (EMT) – This program prepares students for work with an ambulance service or to perform basic emergency care in other settings.

Cosmetology – This program teaches students the basics of hair and nail care

Pre Nursing – Students will learn basic and advanced nursing and home health skills in the classroom and laboratory, as well as prepare for admission to an LPN program.

CNC Machinist – This program prepares students for jobs in the machining and metals industry. Students will learn the techniques and skills of shaping metals using various machinery.

Hospitality Service Assistant – This program prepares students for work in the field of service careers in the hospitality industry. Instruction includes independent living skills, Hospitality and Tourism job skills and facility care. A homeschool teacher or counselor has to recommend students for this program.

Residential Electricians Assistant – This program introduces students to the safety practices, use of hand and power tools/equipment and electrical theory related to the electrical industry.

Audio Visual Integration- Students will learn to install, configure, troubleshoot and repair complex residential and light commercial systems, such as audio visual, lighting and security systems.

Residential HVAC Technician –This program is an introduction to air conditioning and refrigeration, exploring career opportunities in the HVAC industry.

Horticulture –This program introduces students to planting techniques, plant care, basic landscape design and the mechanics of floral design.

Building and Grounds – This program introduces students to tools, equipment and chemical safety required to work in building maintenance occupations.

Residential Carpentry –Students in this program will learn the basic skills of a carpenter. They will be introduced to cabinetmaking, blueprint reading, measuring and cutting and will assist in building a house.

Structural Welder –This program is an introduction to common welding and cutting processes. Students will also be introduced to safety, common math practices in welding, blueprint reading and construction of items according to the prints.

Diesel Service Technician –Students in this program learn about the maintenance and repair of medium and heavy duty diesel trucks.

Auto Body Technician –This program introduces students to major and minor auto collision repair, refinishing, color mixing, spray painting methods and frame alignment.

Auto Service Technician –Students in this program will learn how to work on brakes, electrical, engine performance, engine repair and steering and suspension.

Network Systems Technician –. Students in this program will learn to design, install, configure and troubleshoot network installations.

Cyber Security –This program prepares students to plan, coordinate and implement security measures for computer networking systems.

Computer Aided Drafting & Design (CADD) –This program prepares students for a career in an architectural and mechanical design field.

Graphic Design –Students in this program study typography, design, page layout, color theory, vinyl signs, screen printing and digital photography.

Multimedia Assistant –This program prepares students to create and edit graphics for video, print and web publishing.

Medical Office Assistant –This class trains students to work in the office of any medical facility. Students will work in medical facilities such as Emergency Rooms, Dental offices, Physical Therapy and Doctor's offices.

CLUBS

Science Club- The primary purpose of the BCHS Science Club is to organize activities for its members and to educate the Bridge Creek community on science related topics. Those activities will focus on, but are not restricted to, the invitation of guest speakers to the campus, various student-lead presentations given to younger students throughout the community, trips to science related locations, and also activities which will allow the members to establish bonds with others who hold common their interests. The club will also provide information about such activities to its members and to the Bridge Creek community. Sponsor-Mrs. Feathers

Art Club- . Meet every 2nd and 4th Tuesday of each month. Our mission is to raise awareness of art in our school and community. Sponsor-Mrs. Maulden

Fellowship of Christian Students- The Fellowship of Christian Students (FCS) is an interdenominational group that provides Christian fellowship in order to equip and encourage students to make a difference for Christ. Youth pastors from area churches lead devotions and prayer. The group meets during both lunch periods on the second Wednesday of each month. Sponsor-Mrs. Bradford

Student Council- Student Council is a student-based civic organization designed to help promote school spirit and leadership among students. Students participating in all levels of the Council will maintain a high standard of personal conduct. Council members will demonstrate leadership qualities by serving as good examples of behavior through their words and actions. All Council members will be expected to participate in approved activities, which will serve to enhance the quality of both the physical and behavior environment of the school. Sponsor - Mrs. Long

Robotics- The robotics team is equal parts competition team and service organization. Each year a new competition field is released and the team has to build a robot to score points according to the design of the field. There are between 2 and 6 different competitions for the entire season on dates that can be spread out from October to April, and almost always on a weekend. In addition to building a robot the team is expected to take on service projects that help contribute to the larger community of robotics teams, as well as projects that help are local school community engage in STEM. Robotics meets in a class that helps organize these activities as well as provide training an opportunity to prepare for these events. Students are welcome to find their own strengths on the team be it social media, Computer Assisted Design, building or programming. There are no requirements to join but there are many required build days and service projects that meet after school, weekends, and often over breaks, a flexible schedule and desire for excellence is a must. Sponsor-Mr. Carr

Academic Team- Being on the academic team means embracing your own intelligence, and seeking out new knowledge in the world around you. Competitions consist of two teams of four, each from a different school, using a buzzer system to answer questions asked by a moderator. In addition to players buzzing in to answers a question there is also a team portion of the competition where teams answers questions as a group. There are no tryouts or requirements to be on the team, but attending practice and participating in the group chat is expected. The academic team competes in three different quiz bowl competitions, the MATC Conference, the OSSAA Quiz Bowl tournaments, and the National Academic Quiz Bowl Tournaments. There can be up to 100 games on approximately 20 different dates throughout the year, the majority of those dates are in the fall semester, and many tournaments are on Saturdays. There is space and opportunity for all types from those who just want to try it out and see to those deeply committed to the game, all are welcome. Sponsor-Mr. Carr

FCCLA- Family, Career and Community Leaders of America (FCCLA) is a dynamic and effective national student organization that helps young men and women become leaders and address important personal, family, work and societal issues through Family and Consumer Sciences Education as determined by the state department of education. Sponsor-Mrs. O'Hara

Fishing Club- The purpose of the Fishing Club is to encourage sportsmanship, integrity, conservation, and development of the skills and knowledge needed to be successful anglers. Fishing Club plans to organize social fishing outings. Sponsor-Mr. Staats

National Honor Society-NHS is a service organization and here at BCHS; the organization focuses on serving various clubs and the school. They do this by hosting academic meets for our Quiz Bowl Team, help in concession stands for our sports, help with putting food baskets together, serving our teachers at the TOY Banquet and many more events. All members of NHS have a 3.25 (non-weighted) GPA and have shown to be involved in the school, their community and in other organizations by giving of their time and talents. Sponsor-Mrs. Carr

Spanish Club- Is designed to give students who are enrolled in Spanish Class the opportunity to become involved in culturally enriching experiences outside of class. Our traditional yearly field trip to watch a dance performance by the professional Hispanic Flamenco Ballet is a good example of such a cultural activity. To join the Spanish Club is only \$5 Sponsor-Ms. Werning

Bobcat Nation- Is a group of 9-12th grade students who represent the Bridge Creek High School official Student Section. We travel primarily to basketball and football games, as well as baseball, soccer, powerlifting and other sports when possible. This club is open to anyone who wants to join at any time. Sponsor-Kevin Adler