

Bear River High School



Nevada Joint Union High School District
Home of the Bruins!

FRESHMAN COURSE CATALOG

2020-2021

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Bear River High School

Bear River is a small, comprehensive 4-year high school that serves approximately 650 students in grades 9-12. Built in 1986, it was designed to serve the residents of southern Nevada County, in its rural setting. Bear River High School was recognized as a California Distinguished School in 2001 and 2009, and a Gold Ribbon School in 2017. During the last five years, the school has become a model program for Professional Learning Communities implementing teacher collaboration, pyramids of intervention, and common assessments.

The **mission** of Bear River High School is to provide a positive learning environment, a variety of opportunities to develop a solid educational background, and the tools to enable students to become productive and adaptable members of an evolving society.

Our **vision** is one that encompasses students, staff, parents, and community working together to encourage responsibility, integrity, and an enthusiasm for learning. Additionally, our vision includes providing a variety of high quality educational opportunities by creating a dynamic school that continuously challenges all students and prepares them for the future.

Our educational offerings are designed to support student learning and to ensure the college and career readiness of all of our students. Please review the course options in this catalog carefully before making your selection, keeping in mind your long term goals. If you have any questions, please contact your counselor.

Welcome!

Cindy & Mary

Counselor Contact Information

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Bear River High School Graduation Requirements

<u>Course Area</u>	<u>Credits</u>
4 Years English (1 or 1X, 2 or 2X, 3 or 3H, 4 or 4AP)	40
3 Years Mathematics (*must include Integrated Math 1 or Algebra 1)	30
3 Years Social Science (World History, US History, Econ/Government or AP Gov. or X/Honors or AP 's)	30
2 Years Science (1 year life science and 1 year physical science)	20
2 Years Physical Education [1 year of required Frosh PE and 2nd year of the following: ULA, Dance, Adv/Weights, Basketball PE (or complete 2 seasons of a school sport during grades 10-12, which is equivalent to 1 year of PE)]	20
1 Year Visual or Performing Art or World Language or CTE (ex. Clay, Draw/Paint, Photo, Ag. Mech, Band, Choir, Drama, Video Production, Digital Design, Online Multimedia, Publications, Tech Theater, Exploring Comp Science, Spanish)	10
1 Year Get Focused Stay Focused / Health	10
Electives (remaining credits after required classes are met)	60
TOTAL REQUIRED CREDITS	220

SAMPLE FOUR-YEAR PLAN TO GRADUATE FROM BRHS

<p><u>FRESHMAN</u> *English 1 *Math (Integrated Math 1 or Higher) *Frosh PE *Health / Tech Elective Elective</p>	<p><u>SOPHOMORE</u> *English 2 *Math *World History Science PE Elective</p>
<p><u>JUNIOR</u> *English 3 *Math *US History Science Visual / Performance Art or Spanish Elective</p>	<p><u>SENIOR</u> *English 4 *American Government / Economics Elective Elective Elective Elective</p>

*Required for Stated Grade Level

UC/CSU “A-G” Admission Requirements*

A—History: 2 years

World History (required-10th grade)

U.S. History (required-11th grade)

American Government ** (1 semester-required-12th grade)

B—English: 4 years

English I-IV years **

C—Mathematics: 3 years / 4 years recommended

Integrated Mathematics I (Algebra I)

Integrated Mathematics II (Geometry)

Integrated Mathematics III (Algebra II)

4th year options: ESM, Pre-Calculus, Adv. Math/Intro to Calculus**, AP Calculus **

D—Laboratory Science: 2 years / 3 years recommended

Physical Science- Chemistry, AP Chemistry ** or Physics, AP Physics **

Life Science- Biology, AP Biology **, AP Environmental Science, or Ag. Biology

E—World Language: 2 years/3 years recommended

Spanish 1, 2, 3, Spanish 4 AP

F—Visual or Performing Arts : 1 year

Drawing, Clay, Photography, Video Production, Communication Arts, Digital Design

Choruses, Bands, Dance, Drama

G—College Prep Elective: 1 year-examples: Psychology, Journalism, Economics, Environmental Horticulture Science, additional year of any of above a-f required courses

* UC/CSU requirements alone do not meet NJUHSD graduation requirements.

** Honors and Advanced Placement classes are recommended for the UC System.

- The CSU and the UC systems recommend that the student take more than the minimum requirements. The grade earned in college prep classes must be a “C” or higher to be accepted by the college. For the UC, 7 of the 15 required courses must be taken in the last two years of high school. For more information about a-g courses, see www.californiacolleges.edu.

- NCAA Freshman eligibility standards require additional college prep courses. Please see your counselor for further information.



2019-2020 Freshman Course Descriptions

AGRICULTURE & INDUSTRIAL TECHNOLOGY

Agriculture today is much more than farming. It's an advanced and highly technical field. It involves everything from computers to research and education, even satellites to watch the weather. Whatever your aspirations, enrolling in high school agriculture and FFA gives you valuable hands-on experience. Such involvement helps you develop communications and leadership skills, and even helps you decide which of the many agriculture career options is best for you. **2015, 2016 & 2017 NATIONAL CHAMPIONS!**

AG MECHANICS I

Grade Levels: 9-12

Repetitions for Credit: No

Prerequisites: None

Graduation Credit: Elective-VPA/CTE/World Language

Ag Mechanics 1 is designed for students interested in a career in agricultural mechanics or metal technology. The class emphasizes hands-on learning through a series of projects in metal work including arc and gas welding, sheet metal work, hot and cold metal work, carpentry, and engine repair.

AGRICULTURAL SCIENCE I

UC/CSU "G"

Grade Levels: 9-10

Repetitions for Credit: No

Prerequisites: None

Graduation Credit: Life Science

Agriculture I is a rigorous biological science course designed to introduce students to the diverse and exciting world of agriculture science. The curriculum will cover the areas of molecular and cellular structure of life, cellular metabolism and energy, heredity and genetic engineering, ecological issues and relationships, livestock body systems and metabolism, animal and plant disease control, evolutionary relationships, and new trends in agricultural technology. Included will be labs and experiments designed to challenge the most enthusiastic science students. Specific oral communication and leadership skills will be infused into class activities to prepare students for future success. FFA activities will be assigned and involvement in additional FFA events are strongly encouraged for first year Ag science students.

INTEGRATED AGRICULTURE BIOLOGY

UC/CSU "D"

Grade Levels: 9-12

Repetitions for Credit: No

Prerequisites: One year of introductory Agricultural science or instruction in basic science principles at the 8th or 9th grade level.

Graduation Requirement: Life Lab Science

Agricultural Biology is a one year, laboratory science course, designed for the college-bound student with career interests in agriculture. The course will emphasize understanding the principle ideas and concepts through lecture, discussion, and student presentations of the following topics: Molecular and cellular aspects of life, chemical and structural basis of life, cellular metabolism and energetics, genetics and inheritance, DNA structure and gene technology, evolution and natural selection, ecological relationships between plants, animals, and humans, taxonomy, interrelationships of kingdoms of organisms, and physiology and anatomy of major animal phylums. The course is centered around an extensive laboratory component (including microscope work and dissection of organisms) in order to connect the big ideas of life science with agriculture applications, earth and physical science principles, and other curricular areas including written and oral reporting. FFA or community service activity assignments will be given to enhance citizenship and leadership qualities.

VISUAL ARTS

DRAWING & PAINTING WORKSHOP A & B

UC/CSU "F"

Grade Levels: 9-12

Repetitions for Credit: No

Prerequisites: None

Graduation Requirement: Elective-VPA/CTE/World Language-Fine Art

For the student who is exploring his/her interests in the arts, this class offers many kinds of drawing and painting activities using pencil, pen and ink, felt tip pen, tempera, paint, charcoal pencils, watercolor, oil pastels, and combinations of the above. Subjects include tools and terms of design, advertising art, rules of perspective, and studying various media. Outdoor sketching, and still life setups and rendering will also be included. Class requests student donation for materials.

Reminder! You need 1 Fine Art OR 1 World Language OR CTE to graduate, but you need 1 year of a Fine Art & 2 years of a World Language to meet college requirements.

DIGITAL COMMUNICATION PATHWAY

COMMUNICATION ARTS (VIDEO I)

UC/CSU "F"

Grade Levels: 9-12

Repetitions: Yes

Prerequisites: No

Graduation Requirement: Elective-VPA/CTE/World Language-Fine Art

This introductory course not only provides an overview of the most important aspect of our age—communication—it also goes in-depth with a look at the history of film starting with Charlie Chaplin’s silent films, progressing through the “talkies,” and ending with a study of the innovations in modern film blockbusters. Students will learn how to make their own digital videos using techniques common to both visual and performing arts. No prior knowledge of media production is required. Creative writers, dramatic performers, computer geeks, and camera buffs will all find this course both entertaining and educational as they develop competence in the media arts.

PERFORMING ARTS

SYMPHONIC BAND

UC/CSU "F"

Grade Levels: 9-12

Repetitions for Credit: Yes

Prerequisites: Proficiency on one or more band instruments

Graduation Requirement: Elective-VPA/CTE/World Language-Performing Art

This course is designed for instrumentalists with at least one year experience who are interested in further developing their musical skills. Groups perform intermediate and advanced level concert band literature; includes Marching and Pre Band.

JAZZ BAND

Grade Levels: 9-12

Repetitions for Credit: Yes

Prerequisites: Concurrent enrollment in Symphonic Band and/or instructor's permission. Audition required.

Graduation Requirement: Elective-VPA/CTE/World Language-Performing Art

Students learn the principles of jazz performance, including style, interpretation, jazz theory and improvisation. Several performing opportunities throughout the school year.

WOMEN'S CHORUS

UC/CSU "F"

Grade Levels: 9-12

Repetitions for Credit: Yes

Prerequisites: None

Graduation Requirement: Elective-VPA/CTE/World Language-Performing Art

In this course the student will study secondary school choral literature as well as vocal and choral techniques, music theory and history. Performing opportunities.

MEN'S CHORUS

UC/CSU "F"

Grade Levels: 9-12

Repetitions for Credit: Yes

Prerequisites: None

Graduation Requirement: Elective-VPA/CTE/World Language-Performing Art

In this course the student will study secondary school choral literature as well as vocal and choral techniques, music theory and history. Many performance opportunities

THEATRICAL DANCE 1

UC/CSU "F"

Grade Levels: 9-12

Repetition for Credit: Yes

Prerequisites: None

Graduation Requirement: Elective-VPA/CTE/World Language-Performing Art

This class is run as any dance studio class would be: a warm up of technical dance steps with stretches, moving steps across the floor, and with the bulk of class time spent working on dance combinations that add steps each day. The style is jazz, with all its varieties, but some ballet and modern concepts that apply to jazz will be practiced. The objective of the class is to train and shape dance bodies. Performances are not mandatory but participation in some form (backstage or production) is encouraged. The attire: Dancewear as approved by instructor. Students will also be expected to complete written assignments if they expect to receive UC academic elective credit.

ARTS, MEDIA, ENTERTAINMENT PATHWAY

THEATER ARTS (DRAMA)

UC/CSU "F"

Grade Levels 9-12

Repetition for Credit: YES

Prerequisites: None

Graduation Requirement:VPA/CTE/World Language-Performing Art

Theater Arts is a survey course that covers all aspects of theater. The course will cover acting technique such as vocal expression, facial expression, stage movement, emotional expression, and methods of character creation and analysis. Improvisational games and techniques will also be taught and played. All elements of theatrical production will be studied, discussed, and learned, such as set, costume, and lighting design; house management; publicity; stage management; and dramaturgy. An in-depth unit on theatrical history will also be included. Students will study comedy and tragedy and create their own scenes using the elements of comedy. Students will learn the beginnings of theatrical tradition from the time of primitive man to the present. Theatrical historical periods will include Greeks, Romans, Medieval, Shakespeare, American Theater (including Musical Comedy), Japanese theater, Bollywood, and modern theater. Dramatic structure will also be studied, and students will write a variety of original scripts for scenes, monologues, and short plays.

TECHNICAL THEATRE I

UC/CSU "G"

Grade Levels: 9-12

Repetitions for Credit: Yes

Prerequisites: None

Graduation Requirement:VPA/CTE/World Language-Performing Art

Technical Theatre: A hands on course that not only teaches students what happens behind the scenes for productions and events, but also provides many opportunities to create/design/work shows on campus. Learn lighting, sound, set, scenic painting, marketing, and more! This class is structured in a manner that matches current industry standards for Technical Theatre, which creates the ideal opportunity for both college bound and non-college bound students that may be interested in pursuing technical theatre or theatrical design as a future occupation.

COMPUTER SCIENCE PATHWAY

EXPLORING COMPUTER SCIENCE

UC/CSU "G"

Grade Levels: 9-12

Repetitions for Credit: No

Prerequisites: Integrated Mathematics I or concurrent enrollment

Graduation Requirement: Elective

Exploring Computer Science teaches the creative, collaborative, interdisciplinary, and problem-solving nature of computing with instructional materials that feature an inquiry-based approach to learning and teaching. As part of this course, students will delve into real world computing problems that are culturally-relevant, and address social and ethical issues while delivering foundational computer science knowledge to students. Students will engage in several in-depth projects to demonstrate the real-world applications of computing.

ENGLISH

All students must take English 1, 2, 3, & ERWC to satisfy the four year English requirements. English elective courses do not count towards the four year English requirement. All regular 1,2, 3 classes, Honors & AP English classes meet the UC/CSU college entrance requirement.

ENGLISH SUPPORT

Grade level: 9

Repetitions for Credit: No

Prerequisites: **Teacher recommendation**

Graduation Requirement: No, elective

English Support is a Tier 2, grade-level, class designed to enhance and improve the reading achievement of identified struggling readers and to support students in their concurrent English classes with grade level English Language Arts skills. The course will involve the application of active reading strategies, vocabulary development, pre-teaching, re-teaching and reinforcement of concurrent English class skills, and support for written language including essay writing and grammar development. The structured literacy instruction will be provided through the Fast ForWord (Scientific Learning) program. Fast ForWord is an evidence-based, personalized, online reading intervention program that prepares the brain for learning by improving the language and cognitive skills that are often weak in struggling students (MAPS — memory, attention, processing speed, and sequencing).

ENGLISH 1

UC/CSU "B"

Grade Level: 9

Repetitions for Credit: No

Prerequisites: None

Graduation Requirement: Yes

English 1 emphasizes the improvement of writing skills through well-developed paragraphs and basic essays, develops effective oral communication through discussions and presentations, enhances the appreciation of literature through analysis and interpretation, teaches beginning research skills, and provides instruction in written and oral language conventions.

ENGLISH 1X

UC/CSU "B"

Grade Level: 9

Repetitions for Credit: No

Prerequisites: None, but Instructor approval requested.

Graduation Requirement: Yes- in place of English 1

This accelerated English course emphasizes the same curriculum as English 1. However, students read additional works of greater difficulty and will be expected to achieve an advanced level of coherence, unity and critical thinking in their work.

DIGITAL MEDIA ARTS PATHWAY

ONLINE MEDIA (JOURNALISM)

UC/CSU "G"

Grade Levels: 9-12

Repetitions for Credit: No

Prerequisites: None

Graduation Requirement: Elective-VPA/CTE/World Language-Fine Art

Formerly Journalism in the Digital Age, Online Media students will work towards developing their voice using different writing styles in a writer's workshop environment where they will be reflective and evaluative of their own writing, as well as, of their peers' in order to improve their journalistic skills and editing techniques. This course is meant to prepare students to be staff writers on the online school newspaper, The Bear River Current; while having a greater

understanding of how journalism has evolved during the 21st Century. Students will understand the importance of journalism in a democratic society and discuss ethical issues that can arise while covering topics in the community. Digital journalism opens our reporting up to a worldwide public audience and can take many forms such as text, podcasts, videos, discussion threads, and blogs. Student writers will report on stories that recognize the diversity of their community. Students are exposed to a variety of journalism and types of writing that appears in newspaper, magazines and digital media. Students will recognize and write sound, effective, responsible journalism that includes interviews, scripting and publishing. The class will also include basic photography skills, layout and design strategies.

PUBLICATIONS DESIGN I (YEARBOOK)

UC/CSU "G"

Grade Levels: 9-12

Repetitions for Credit: Yes

Prerequisites: None

Graduation Requirements: Elective-VPA/CTE/World Language-Fine Art

Formerly Yearbook, this project-based course is designed to provide practical, specific journalistic experiences with the main, end result the production of a professional yearbook. The course goals focus on the expository aspect of the reading and reporting (oral and written), extensive practice in writing that goes through a thorough editing and revision process as well as substantial reading of expository sources and other materials that develop imperative skills and rigorous training on written themes including body copy, interviewing, captions and headlines, and visuals including photography and designing layouts. Members are expected to assume the responsibilities and self-discipline necessary to contribute to the success of such an organization. Students deal with and learn to understand the ethical dimensions of life while they search for information and gain a respect and understanding of the viewpoints others hold. Student will need to evaluate information and convey intricate or multifaceted information to the student body. Yearbook teaches real-world skills such as, meeting deadlines, teamwork, working with advanced and professional technology, communication skills, and independent thinking skills.

WORLD LANGUAGE

"In order to succeed in the 21st century, today's students need to develop linguistic and cultural literacy, including academic knowledge, proficiency in English and in several of the world's languages and cultures." (The World Language Content Standards for California Public Schools) What better way to start than with Spanish, a language spoken throughout the state of California and the 3rd most spoken language in the world! At Bear River High School, our Spanish Program includes Spanish 1 through Spanish 4 AP Language. Our current college preparatory program is proficiency based and our students are expected to reach a certain level of competency as they learn to describe the world around them and engage in meaningful conversation. Each level of study increases the depth of vocabulary and the breadth of expression based on the Language Learning Continuum.

SPANISH 1

UC/CSU "E"

Grade Levels: 9-12

Repetitions for Credits: No

Graduation Requirement: Elective-VPA/CTE/World Language-World language

Daily activities in spanish 1 revolve around the 4 skills of language; Listening, Speaking, Reading and Writing:

1. **Listening** to the instructor and recordings in Spanish, often in fast, conversations tones. Students must understand enough to answer questions with no other resources.
2. **Speaking** to practice and demonstrate mastery of specific sounds and structures of the language. Assessment is performed daily and by formal and informal presentation, without the use of notes.
3. **Reading** words, sentences and authentic texts, advertisements, and articles. As students build their knowledge of vocabulary and sentence structure, readings become more complex and content more cultural.

4. **Writing** many words, exercises, and paragraphs in Spanish and in English. Students put acquired vocabulary and sentence structure to work in their own words. Any translations used are expected to follow the rules of grammar in Spanish or in English, depending on the direction of the translation. **Note that Spanish is not required for graduation and is only recommended for students with a B or above in English and Math.**

MATHEMATICS

APPLIED FOUNDATIONS IN INTEGRATED MATH

Grade Level: 9

Repetition for credit: No

Prerequisite: None

Graduation Requirement: No but math credit

This course focuses on key math content that students need to have mastered in order to be successful in Integrated Math 1. It is designed for students who seek a better grasp of math concepts prior to enrolling into Integrated Math 1. The main focus of this course is the development of understanding fractional and integer operations, rates of change, linear equations and their different representations, solving one and two step equations, deriving and using basic geometric formulae, and authentic applications of these math skills. The Mathematical Practice Standards apply throughout each unit and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Students will communicate their thinking both orally and in writing and will explore how algebra, geometry, probability and statistics are used in a variety of real life scenarios.

INTEGRATED MATHEMATICS I

UC/CSU

"C"

Grade Level: 9-12

Repetition for credit: Yes, 2 years (20 credits)

Prerequisite: None

Graduation Requirement: Yes, California State Algebra 1/Integrated Mathematics I requirement

Integrated Math I is the first course of a three course series which introduces entry level topics in Number & Quantity, Algebra, Functions, Geometry and Statistics & Probability. This one year long course satisfies the Common Core Standards for Integrated Math I. It strengthens and builds on the students' prior knowledge in middle school math. This course focuses on algebraic expressions, linear functions, quadratic functions, some basic exponential functions, exponents, polynomials, solving equations, geometric congruence, proof and construction methods, finding volumes, areas, descriptive statistics, and connecting algebra and geometry through reasoning and proof as well as real life applications.

INTEGRATED MATHEMATICS II

UC/CSU "C"

Grade Levels: 9-12

Repetitions for Credit: No

Prerequisite: Completion of Integrated Math I with a C or better

Graduation Requirement: Yes

This course introduces the student to logic and sound reasoning as used in mathematics through the study of geometric figures and their relationships and of proofs as applied in Euclidean plane geometry.

NON-DEPARTMENTAL

FROSH HEALTH

Grade Level: 9

Repetitions for Credit: No, 1 semester course

Prerequisites: None

Graduation Requirement: CA state graduation requirement.

This course focuses on transitioning issues related to high school. Students examine decision-making skills related to study skills, work habits, goal setting, and communication skills. This course will also cover health-related issues such as drugs, alcohol, tobacco, family life education and public safety.

GET FOCUSED STAY FOCUSED

Grade Levels: 9

Repetitions for Credit: None

Prerequisites: None

Graduation Requirement: Yes, Elective

Career Choices & the online 10-year plan is an interdisciplinary curriculum that engages students and teachers in an interactive learning process, helping them develop the knowledge, skills, and attitudes needed to successfully: examine their own lives, explore and evaluate a wide range of education and career options, and make reasoned and researched goals for their future.

RECONNECTING YOUTH

Grade levels: 9-12

Repetitions for Credit: No

Prerequisites: Counselor/Teacher Approval

Graduation Requirement: Elective

Reconnecting Youth is a California State approved "indicated prevention" and science based program designed to assist at-risk youth in achieving three major goals: increased school performance, increased drug use control and increased mood management. Students are invited to participate based on recommendations from counselors and school staff. Class size is limited.

PHYSICAL EDUCATION

Freshmen must enroll in Physical Education. The physical education program has groups of units, four to nine weeks in length, offered at two levels, one for freshmen and one for sophomores, juniors and seniors. The freshmen will be enrolled in a wide variety of classes providing introductory level instruction. Sophomores, juniors and seniors will be given a choice of many different classes. Seniors are given top priority in overcrowded classes and juniors are next in priority. The above units will be offered according to equipment and facilities available and the weather. (Twenty credits in physical education are required for graduation.) After the freshman year, students who participate in a full season of interscholastic competition may waive 5 credits of P.E. each season up to a total of 10 credits

THEATRICAL DANCE 1

Grade Levels: 9-12
Repetition for Credit: No
Prerequisites: None
Graduation Requirement: Yes, 2nd year P.E. credit.

In this class, students will use their creativity and improve their dance technique including coordination, rhythm, memory, strength, imagination and awareness of standard steps and a variety of dance styles. Using an interdisciplinary approach, emphasis is placed on developing basic dance skills, aesthetic and cultural appreciation, and increase self-esteem. During the third and fourth quarters, focus will be on preparing choreography for public performance. This course can be taken 10th, 11th, or 12th grade. Freshmen who take dance will receive Performing Arts credit only as all freshmen must take P.E. Note: Students may be required to purchase materials.

THEATRICAL DANCE 2

Grade Levels: 9-12
Repetition for Credit: No
Prerequisites: Yes, Audition
Graduation Requirement: Yes, 2nd year P.E. credit.

This class continues the development of basic dance skills on a more advanced level. More emphasis is placed on technique, performance, and choreography. Students are expected to participate in auditions and performances in and out of class and will complete a portfolio of their skills and repertory. Students will also be expected to complete written assignments. Dance fulfills the university "F" requirement.

SCIENCE

Note: The high school graduation requirement in Science includes one year of physical science and one year of life science. Recommended lab sciences for 9th graders are Biology or Ag. Biology. Note that ALL lab sciences are rigorous & require strong math skills. Lab sciences are not required for graduation but only for direct admittance to a 4 year university. Biology & Physics require an A in 8th grade Math & Science.

INTEGRATED SCIENCE I

Grade Levels: 9-12
Repetition for Credit: No
Prerequisite: None
Graduation Credit: Life or Physical Science (Not a Lab Science)

UC/CSU "G"

This introductory science course is designed to expose students to science concepts and skills that align with California State Science Standards and prepare them to be successes in more challenging science courses. Integrated Science II is the second course taught in a 2 year rotation, with Integrated Science I, so that students may fulfill their high school science graduation requirements with 20 units of both physical and life science. Topics in earth science, biological science, and physical science will be covered in an integrated approach using a wide variety of instructional methods.

LABORATORY SCIENCE COURSES- The following courses meet the UC/CSU laboratory Science requirement.

BIOLOGY

Grade Levels: 9-12
Repetitions for Credit: No
Prerequisites: Recommended for college bound students. Also open to 9th graders with a B plus average, concurrent enrollment in Integrated Math 1 or Integrated Math 2 and teacher/counselor recommendation.
Graduation Requirement: Life Science

UC/CSU - "D" or "G"

This course is a life science laboratory science course that explores the topics of scientific investigation, ecology, molecular and cell biology, heredity and biotechnology, and evolution. Regular laboratory experiences include microscope work, ecology simulations, dissection, DNA extraction, gel electrophoresis, enzyme activity, genetics and natural selection simulations. In addition to content knowledge, critical thinking will be assessed. Common Core ELA standards in reading and writing for science will be practiced and assessed

INTEGRATED AGRICULTURE BIOLOGY

UC/CSU "D" or "G"

Grade Levels: 9-12

Repetitions for Credit: No

Prerequisites: One year of introductory agricultural science or instruction in basic science principles at the 8th or 9th grade level.

Graduation Requirement: Life Science

See course description on page 4.

PHYSICS

UC/CSU "D" or "G"

Grade Levels: 9-12

Repetitions for Credit: No

Prerequisites: Recommended for college bound students. Also open to 9th graders with a B plus average, concurrent enrollment in Integrated Math 1 or Integrated Math 2 and teacher/counselor recommendation.

Graduation Requirement: Physical Science

Physics is the study of the physical universe. The course will investigate forces, interaction and change, matter, space and time. Students will study all material things from atoms to galaxies. Approximately 1/5 of the class time is spent on laboratory work with students working in groups.

STRATEGIES FOR SUCCESSFUL STUDENTS

- Enroll in and make good use of Bruin Time so student can have more time for work and have access to teachers when student has questions about instruction or an assignment.
- Make use of the before & after-school tutoring program.
- Check in with classmates about assignments.
- Hand in partial and late homework even if you can't get credit for it. It allows the teachers to see your strengths and weaknesses/progress.
- Avoid socializing in class and sit advantageously to reduce distractibility.
- At home to study, use the 20/10 rule to study: set timer for 20 minutes-work, when that goes off, set another timer for 10 minutes to get a snack/run around the block/call a friend etc, then repeat. Be sure there are no TV's, music, videos or computer's on unless needed for the homework/studying. Reality- brain struggles to academically multi-task efficiently!
- Sign up to see your counselor if you have problems.
- Try a planner or online planner (**istudies**): <http://istudentpro.com/>
- Try using **Quizlete** for studying <https://quizlet.com/>
- Use flashcards to study.
- Seek out or create study groups for particularly difficult courses.
- Talk to your teacher and ask questions!

FREQUENTLY ASKED QUESTIONS

How do students earn credits?

- Courses award 5 credits per class period completed each semester with a grade of D or higher. Quarter grades are intended as progress reports and do not earn credits. They are for athletic eligibility & checking progress.

How many credits can a student earn each semester?

- Students normally take 6 class periods each day, so it is possible to earn 30 credits each semester.

What is a CTE class?

- CTE stands for Career Technical Education. This year, in addition to our award-winning Ag Mechanics and Ag Science/communication classes, we have a Computer pathway, Digital Design, Journalism & Yearbook.

Does my student have to have a world language to graduate?

- No, they can take a VPA (Art) or CTE class to meet that requirement instead. World languages are required only if the student is going directly to a four year university.

What is a VPA?

- VPA is the acronym for Visual & Performing Arts. These courses include art, choruses, bands, dance, drama and digital design.

My student played a sport in their freshman year; does that count toward PE credits?

- No. All students are required to take Freshman PE which counts as the first PE course. The second year requirement may be met by taking another year of a PE class such as Weights, Basketball, Dance or Upper Level Activities, or complete 2 full seasons of an on-campus sport after freshman year. Only sports participated in after freshman year will count. Each season of a sport equates to one semester of a PE class. While your student may participate in off-campus sports teams, the district does not recognize those for PE credits.

What happens if a student fails a class?

- If it is a required core class such as English, math or history, it must be made up. Usually students will make up required classes in a credit recovery class during one of their 6 periods. These classes are through the Apex program and require students to repeat the class using this online program with no direct instruction. NJUHSD does not offer summer or night school options for credit recovery. Students that need to make up more than 20 credits will need to discuss their options with their counselor.

My student is failing a class; what can we do?

- Fortunately, we have a remediation time built into our schedule. While Bruin Time is required for freshmen and sophomores, it is available for all students. If your student has a D or F at progress reports, they will be placed in a Bruin Time for remediation in that subject. We also provide after school tutoring for our core classes (math, english) Monday -Thursday from 2:43 to 3:24. Please note that as the tutors try to support all areas of academics, it is student responsibility to let the after school teacher know specifically what they need assistance with. Teachers are also frequently available for student support, before and after school and at lunchtime. Please communicate your concerns directly to the teacher to make a plan that works for your student. If working with the teacher and your student does not yield successful results, please contact your counselor to review the situation and set up an SST (Student Success Team meeting) as needed.

My student doesn't get along with his/her teacher; what can we do?

- We are always sorry to hear about student teacher conflicts. The first step is to speak directly with the teacher to discuss your concerns. If that does not resolve the problem, then we will meet as a team; teacher, student, parent and counselor to find a solution. We want your student to have a wonderful experience here at BRHS, but the

importance of learning to adapt to different learning styles (which is equally important in the adult working world as it will be in college), coupled with the limited availability of scheduling options, makes problem solving a priority. Administration will get involved only if these steps have been unsuccessful.

SAMPLE Bear River High School **Freshman** Course Selection Sheet 2020-2021

NAME: _____ ID#: _____

**Welcome to Bear River High School! All students must be enrolled in 6 courses.
Remember that Bear River courses are year-long.**

Step 1: All freshmen must take English, Mathematics, Health, Get Focused Stay Focused, and Physical Education, which are Graduation Requirements. Choose appropriate course level and remember that math follows a sequence. See back page for placement recommendation.

STOP! Please note courses below marked with an *:

- ★ **English 1X requires an A in 8th grade English**
- ★ **Foundations in Integrated Math is encouraged for students who are weak in math (C or below) or have come from a charter/homeschool or other program that did not offer Integrated Math.**

<p>ENGLISH</p> <ul style="list-style-type: none"> <input type="checkbox"/> English 1 <input type="checkbox"/> English 1X* 	<p>MATHEMATICS</p> <ul style="list-style-type: none"> <input type="checkbox"/> Applied Foundations in Int. Math* <input type="checkbox"/> Integrated Math 1 <input type="checkbox"/> Integrated Math 2 <input type="checkbox"/> Integrated Math 3 	<ul style="list-style-type: none"> ✓ <u>Health / Get Focused Stay Focused</u> ✓ <u>Physical Education</u>
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Step 2: Now select **2 more elective courses** to complete a total of 6 courses. For course descriptions and specific requirements please reference the BRHS Course Catalog, which can be found under Guidance and Counseling: www.bearriver.njuhsd.com

STOP! Please note courses below marked with an *:

- ★ **Spanish is not required for graduation and is only recommended for students with a B or above in English and Math.**
- ★ **ALL Agriculture classes have an FFA participation requirement outside of class.**
- ★ **Biology & Physics require an A in 8th grade Math & Science.**

<p>SCIENCE / AGRICULTURE SCIENCE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Ag. Science 1* <input type="checkbox"/> Ag. Biology (LAB)* <input type="checkbox"/> Non-college prep science <input type="checkbox"/> Integrated Science 1 <input type="checkbox"/> Biology (LAB) <input type="checkbox"/> Physics (LAB) 	<p>DIGITAL MEDIA ARTS</p> <ul style="list-style-type: none"> <input type="checkbox"/> Film/Video Production I <input type="checkbox"/> Publication Design 1 (Yearbook) <input type="checkbox"/> Online Media 1 (Journalism) 	<p>PERFORMING ARTS</p> <ul style="list-style-type: none"> <input type="checkbox"/> Men's Chorus <input type="checkbox"/> Women's Chorus <input type="checkbox"/> Symphonic Band <input type="checkbox"/> Jazz Band (zero period) <input type="checkbox"/> Vocal Jazz (audition required) <input type="checkbox"/> Theater Arts <input type="checkbox"/> Theatrical Dance 1
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<u>INDUSTRIAL TECHNOLOGY</u> <input type="checkbox"/> Ag. Mechanics I*	<u>VISUAL ARTS</u> <input type="checkbox"/> Drawing/Painting Workshop A/B	<u>SOFTWARE & SYSTEMS DEVELOPMENT</u> <input type="checkbox"/> Exploring Computer Science
<u>READING SUPPORT</u> <input type="checkbox"/> English Support	<u>WORLD LANGUAGE</u> <input type="checkbox"/> Spanish 1*	<u>OTHER ELECTIVES</u> <input type="checkbox"/> Technical Theater 1