



DIAMOND HIGH SCHOOL
COURSE CATALOG
2026-2027

How to Use This Course Catalog

This course catalog was created with input from the Diamond teachers, counselor, administrator, and district curriculum coordinator who desire to see every student succeed at Diamond High School and flourish upon graduation. Please use this catalog as a guidebook for planning YOUR future.

1. Determine the minimum graduation requirements.
2. Look at your transcript and credit check form to determine which graduation requirements you have already met and which ones still need to be completed.
3. Create and update your Individual Career and Academic Plan, being careful to meet the prerequisites of courses as you schedule them in order.
4. If you plan to attend college, make sure your Individual Career and Academic Plan meets the entrance requirements for the colleges of your choice.
5. If you want a challenge, choose dual credit or dual enrollment classes to get a jump start on college.
6. If you want to play sports in college, be sure you choose classes that will maintain your eligibility to compete.

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College and Career Options after High School

Apprenticeship: A one-to-four year training program in which employees “earn while they learn”. An apprentice is usually paid a salary while he/she learns a new trade. Examples: construction jobs (drywall, brick-laying), iron workers, electrical repair.

AmeriCorps: Volunteers are provided an allowance, health insurance, a monetary education award, and taught valuable skills by working on projects that tackle illiteracy, homelessness, food insecurity, natural disasters, and restoring national parks. For more information: [Serve | AmeriCorps](#).

Career and Technical Training: Programs at career centers or technical schools which are usually a few months to two years in length.

Community College: Offer career and technical degrees, two-year associate degrees, and transfer credits to four-year colleges and universities. Most community colleges have open enrollment.

Four-year College or University: About 35% of the U.S. jobs require a bachelor’s degree, which takes approximately four to six years to earn.

Job Corps: Vocational and skill training, high school diploma/high school equivalency, room and board, and sometimes child care provided for economically disadvantaged youth, ages 16-24, at various locations throughout the U.S. For more information: www.jobcorps.gov.

Military Service: Skills training, room and board, insurance benefits, salary, and financial aid for college may be earned during enlistment in the armed services. Military branches are composed of: Air Force, Army, Coast Guard, Marines, National Guard, and Navy.

Peace Corps: Serve abroad for two years plus training, working directly with communities to build capacity in education, health, youth development, environment, community economic development and agriculture. For more information: [Peace Corps](#).

Career Planning and Enrollment Information

The Diamond R-IV School District staff assists students in choosing and preparing for a rewarding career. A general high school program of study is simply not enough preparation for today’s colleges or for employment in today’s complex workplace. Rather, the program of studies must be carefully planned and selected to help ensure that students can attain their goals. College visits, CTEC tours, and ICAP (Individual Career and Academic Plans) are developed for each student beginning in 9th grade and continuing until graduation. Your school counselor is here to help you in any way she can. Finding the right career can be a difficult choice. We are here to provide career exploration opportunities which can help you to select classes that align with your goals.

College and Scholarship Websites

Missouri Southern State University www.mssu.edu

Crowder College www.crowder.edu

Drury University www.drury.edu

Missouri State University www.missouristate.edu

Northeast Oklahoma A & M www.neo.edu

University of Arkansas www.uark.edu

University of Missouri www.umkc.edu

Missouri S & T www.mst.edu

Pittsburg State University www.pittstate.edu

Missouri Connections (college, career, scholarship searching)

www.missouriconnections.org See counselor for username and password

Diamond High School Scholarships can be found in Mrs. Slagle's Google Classrooms in the Scholarship folder. See Mrs. Slagle for class codes.

Free Application for Federal Student Aid [FAFSA® Application | Federal Student Aid](#)

Community Foundation of the Ozarks <http://cfzarks.org/>

Diamond High School Minimum Graduation Requirements

Language Arts

4 credits

Required:

Lang Arts I
Lang Arts II
Lang Arts III
Lang Arts IV

1 credit
1 credit
1 credit
1 credit

Social Studies

3 credits

Required:

World History
American History
American Government (Must pass US & MO Constitution
exams and civics exam)

1 credit
1 credit
1 credit

Science

3 credits

Required:

Biology I
2 credits of your choice

1 credit
2 credit

Math

3 credits

Required:

Algebra I
Geometry
Algebra II

1 credit
1 credit
1 credit

OR

Required:

Algebra IA and IB
Applied Geometry or Real World Math

2 credits
1 credit

Fine Art

1 credit

1 credit of your choice

1 credit

Practical Art

1 credit

1 credit of your choice

1 credit

Personal Finance

.5 credit

Physical Education

2 credits

Required:

Health
1.5 credits of your choice

.5 credit
1.5 credits

Electives

7.5 credits

7.5 credits of your choice

7.5 credits

Total

25 Credits

High School Students Planning to Attend a Four-Year College

The Missouri Coordinating Board for Higher Education has approved the following minimum recommended 16-unit core curriculum requirement for admission to public four-year colleges and universities for all first-time degree seeking college students who graduate from high school.	
<u>English</u>	4 units , 1 of which may be speech or debate; 2 units emphasizing composition or writing skills are required.
<u>Mathematics</u>	3 units (high school level Algebra and beyond, e.g. Algebra II, Geometry, Trigonometry, Calculus).
<u>Social Studies</u>	3 units
<u>Science</u>	3 units (not including general science), 1 of which must be a laboratory course (ie. Biology, Chemistry, Physics).
<u>Visual/Performing Arts</u>	1 unit (fine arts courses in visual arts, music, and theater).
<u>Core Electives</u>	3 units , selected from foreign language and/or combinations of the above courses (1 or 2 units of foreign language may be required. Check the freshmen admission requirements for the college of your choice).
Specific admission requirements vary from institution to institution. For example, the University of Missouri-Columbia requires a 17-unit core curriculum for admission. You should contact the admissions office of the institutions in which you are interested for specific requirements, since not all courses in a given area qualify as core courses.	

Keep in mind these are the minimum requirements for admission to public 4-year Missouri colleges. It is important to check the requirements of each college to determine if their requirements exceed those shown above.

College admission representatives schedule meetings at Diamond High School throughout the school year, which all students have the opportunity to attend.

DUAL CREDIT

Diamond High School offers several courses for dual credit through Crowder College. Students enrolling in these must meet the following criteria:

1. Students must have permission from a parent or legal guardian.
2. Students must be juniors or seniors.
3. Students must have a minimum overall high school grade point average of 2.5.
4. Students must have taken the ACT exams or placement test and meet the minimum proficiency standards.
5. Students must have completed all prerequisites for the course and any other requirements as may be needed for the same course on campus.
6. Students may take up to a maximum of three (3) dual credit courses per semester.

Students should expect the difficulty of this course to be greater than other high school courses. The college's enrollment procedures and drop policies will be honored. Students should check with the college BEFORE enrolling for dual credit, in order to assure proper transfer of credits. The cost of dual credit courses is \$68 per credit hour. Textbooks are provided at no additional charge for some courses. Other courses have electronic textbooks and laboratory fee charges.

DUAL ENROLLMENT

Dual Enrollment gives students the opportunity to take college classes online or on a college campus. The following schools offer dual enrollment classes:

CROWDER COMMUNITY COLLEGE

Courses can be taken online here on the Diamond High School campus or on the Crowder Community College campus. View the website at: [Dual Credit - Crowder College](#) for more current information. Students should meet with the school counselor for registration paperwork to enroll for dual enrollment courses.

MISSOURI SOUTHERN STATE UNIVERSITY

Courses can be taken online here on the Diamond High School campus or on the campus of MSSU. View the website at [MSSU - Dual Credit](#) for current information. Students are responsible for contacting MSSU to register for dual enrollment courses.

DRURY UNIVERSITY

Drury University dual enrollment opportunities allow high school students to take classes either during regular high school hours or online with other high school students and earn both high school and university credit at a greatly reduced rate. For more information view the website at [Drury University's Dual Credit Program](#).

Weighted Courses

Using a four (4) point scale, the following courses would be given one point higher value with the exception of an "F" which would remain a zero.

The following dual credit courses are given more weight when calculating grade point average (GPA):

- Math: College Algebra DC; Trig DC; Calculus DC
- Lang. Arts: English Composition 101 and 102 DE
- Science: Biology 101 DE
- **Dual enrollment classes that fall within the Missouri Core 42**

Note: The weighted cumulative GPA is used only to determine the Diamond High School class rank to identify the valedictorian and salutatorian.

A+ Schools Program

The Diamond R-IV Schools Program strives to ensure that students are prepared for and successful in life beyond high school. The A+ Program provides students with continuous, progressive career information throughout the student's years in the Diamond School District. The program focuses on ensuring students have course offerings that are rigorous and relevant to the world outside the classroom that will better prepare them for their paths after high school. For additional information about the A+ Schools Program contact the A+ coordinator or the Department of Higher Education website ([A+ Scholarship Program](#)).

Schedule Change Policy

We make every attempt to create a master schedule that allows students to select the classes they need and want. While every effort is made to help students find a workable schedule, in some cases, conflicts exist and students must take alternative classes. To be considered for a schedule change, students must meet prerequisite requirements, the intended class must not be full, and **the change request must be made within one week from the start of the course.**

Missouri State High School Activities Association Eligibility (MSHSAA)

Knowing and following all MSHSAA standards will enable a student to protect his/her eligibility for MSHSAA interscholastic competition. Activity participation should be for all students making appropriate progress toward graduation and otherwise in good standing.

Grades 9-12:

Grades received the preceding semester will determine eligibility to participate in interscholastic activities.

- The student shall have earned the preceding semester a minimum of 3.0 units of credit which includes passing 6 of 7 classes the previous semester.
- The student shall currently be enrolled in and regularly attending courses that offer 3.0 units of credit.
- A beginning ninth grade student shall have been promoted from the eighth grade to the ninth grade for the first semester of eligibility.
- A student must be making satisfactory progress towards graduation as determined by local school policies.
- There is a maximum age limit for participation.

National Collegiate Athletic Association (NCAA) Eligibility Center

All high school student-athletes wishing to compete in college must register with the NCAA Eligibility Center. Information about the Eligibility Center can be found in the Guide for the College-Bound Student-Athlete. The NCAA national office does not handle initial-eligibility certifications. Please do not contact the NCAA national office with inquiries regarding an individual's initial-eligibility status, including whether transcripts, student release forms, etc., were received or about when you will be cleared. The Eligibility Center maintains and processes all of the initial-eligibility certifications. More information can be found at: [NCAA Eligibility Center](https://www.ncaa.org/eligibility-center)

All SAT and ACT scores must be reported directly to the NCAA Eligibility Center by the testing agency. Test scores that appear on transcripts will no longer be used. When registering for the SAT or ACT, use the code of 9999 to make sure the score is reported to the Eligibility Center.

Course Offerings

Content Area	Course	Status	Grade(s)	Credit
LA - Language Arts: (4 credits required)				
	Language Arts I	R	9	1.0
	Language Arts II	R (EOC)	10	1.0
	Language Arts III	R	11	1.0
	*Language Arts IV (College Preparatory)	E	12	1.0
	*Language Arts IV (Career & Work Force Focus)	E	12	1.0
	*Dual Enrollment LA and/or speech Courses	E	12	1.0
* These courses can be used to satisfy the Senior-level LA credit requirement.				
MA – Mathematics: (3 high school credits required)				
	Pre-Algebra	E	9	1.0
	Algebra IA*	R	9, 10	1.0
	Algebra IB*	R (EOC)	10, 11	1.0
	Algebra I	R (EOC)	9, 10, 11, 12	1.0
	Geometry	E	9, 10, 11, 12	1.0
	Applied Geometry	E	10, 11, 12	1.0
	Algebra II	E	10, 11, 12	1.0
	Real World Mathematics	E	11, 12	1.0
	MATH 112 Trigonometry	DC	11, 12	0.5
	MATH 125 Quantitative Analysis	DC	11, 12	0.5
	MATH 135 Algebra for Calculus (DC)	DC	11, 12	0.5
	MATH 150 Calculus I, Part I (DC)	DC	12	0.5
	MATH 160 Calculus I, Part II (DC)	DC	12	0.5
*Students will be selected for Pre-Algebra based on eligibility & then move into Alg IA.				
*Algebra IA and Algebra IB are equivalent to Algebra I.				
SC – Science: (3 credits required)				
	Physical Science	E	9	1.0
	Chemistry I	E	11, 12	1.0
	Biology	R (EOC)	10	1.0
	Biology II aka Biology 101 (DE)	DE	11, 12	0.5
	Environmental Science	E	11, 12	1.0
	Botany	E	11, 12	0.5
	Freshwater Biology	E	10, 11, 12	0.5
	Anatomy & Physiology	E	11, 12	1.0
SS - Social Studies: (3 credits required)				
	American History	R	9	1.0
	World History	R	10	1.0
	American Government	R (EOC)	11, 12	1.0
	Psychology	E	11, 12	0.5
	Sociology	E	11, 12	0.5
	Major Conflicts of the 20th/21st Cent.	E	11, 12	0.5
	Contemporary Issues & Current Events	E	11, 12	0.5
	World Cultures	E	10, 11, 12	0.5

WL – World Languages

Spanish I	E	9, 10, 11, 12	1.0
Spanish II	E	10, 11, 12	1.0

PE – Physical Education (1.5 credits required) / Health (.5 credits required)

Physical Education (P.E.)	E	9	0.5
Health	R	9, 10	0.5
Power Walking	E	10, 11, 12	0.5
Introduction to Yoga	E	10, 11, 12	0.5
Weights	E	9, 10, 11, 12	1.0
Lifetime Sports	E	10, 11, 12	1.0

FA – Fine Arts (1 credit required)

VA – Visual Arts

Art I	E	9, 10, 11, 12	1.0
Art II	E	10, 11, 12	1.0
Advanced Art	E	11, 12	1.0
Photography I	E	10, 11, 12	1.0
Photography II	E	11, 12	1.0

PA – Publications

E	10, 11, 12	1.0
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IM – Instrumental Music

Band	E	9, 10, 11, 12	1.0
MUSE: Music, Understanding....	E	9, 10, 11, 12	1.0

VM – Vocal Music

Chorus	E	9, 10, 11, 12	1.0
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DR – Theater

Drama I	E	9, 10, 11, 12	1.0
Drama II	E	10, 11, 12	1.0

PA – Practical Arts (1 credit required)

AG – Agriculture

Ag Science I (SCI)	E	9, 10	1.0
Ag Science II (SCI)	E	10, 11	1.0
Ag Structures I/II (SCI)	E	11, 12	1.0
Ag Power I/II (SCI)	E	11, 12	1.0
Ag SAE	E	12	1.0

(Offered in even years, (2028, 2030))

Equine Science (SCI)	E	11, 12	1.0
Natural Resources (SCI)	E	11, 12	0.5
Floriculture (SCI)	E	11, 12	0.5

(Offered in odd years, (2027, 2029))

Animal Science (SCI)	E	11, 12	1.0
Greenhouse Operation & Mgt. (SCI)	E	11, 12	0.5
Conservation (SCI)	E	11, 12	0.5

(SCI) Agriculture Science I and II and another Ag Science-based class may be counted toward the third Science credit requirement for graduation.

BU – Business				
Introduction to Business	E	9, 10, 11, 12	1.0	
Personal Finance	R	11, 12	0.5	
<u>(Offered in even years, i.e. 2028, 2030)</u>				
Business Management	E	10, 11, 12	1.0	
<u>(Offered in odd years, i.e. 2027, 2029)</u>				
Business Law	E	10, 11, 12	0.5	
Banking and Financial Services	E	10, 11, 12	0.5	
Accounting I	E	9, 10, 11, 12	1.0	
MK – Marketing				
Marketing I	E	10, 11, 12	1.0	
Entrepreneurship	E	9, 10, 11, 12	1.0	
<u>(Offered in even years, i.e. 2028, 2030)</u>				
Sports & Entertainment Marketing	E	10, 11, 12	0.5	
Computer Business Apps	E	10, 11, 12	0.5	
PA – Media and Technology				
Intro to Media Productions	E	9, 10, 11, 12	0.5	
Multimedia Apps	E	9, 10, 11, 12	0.5	
Advanced Media Productions	E	10, 11, 12	1.0	
Computer Science Principles	E	9, 10, 11, 12	1.0	
PA – Crowder Tech Center (CTEC):				
A.M. Session (periods 1,2,3,4 – two year sequence of courses)	E	11, 12	3.5	
*Automotive Technology				
*Computer Technology				
*Construction Technology				
*Criminal Justice				
*Diesel Technology				
*Health Sciences				
*Teacher Preparation				
*Welding Technology				
* Commercial Truck Driving - Senior only program				
*Advanced Manufacturing - Senior only program				

Note: *Students may be awarded embedded credit in Applied Communications (1) and Technical Math (1) after completing the two year sequence. Also, every program offers dual credit opportunities to those students who qualify.

Other Electives:

A+ Tutor	E	11, 12	0.5
Cadet Aide	E	11, 12	1.0
Office Aide	E	11, 12	1.0
Library Aide	E	11, 12	1.0
School Flex	E	11, 12	1.0
MOSO CAPS	E	12	3.0

Note: DC = Dual Credit E = Elective R = Required EOC = End of Course exam

COURSE DESCRIPTIONS

LANGUAGE ARTS

LANGUAGE ARTS I

9th Grade

1 Language Art Credit

The year-long ninth grade Language Arts curriculum builds students' skills in reading, writing, speaking, listening, and language in alignment with the Missouri Learning Standards. Through a variety of complex texts, students will learn to cite strong evidence, analyze ideas and themes, and evaluate an author's choices in structure and style. Students will write literary analyses, arguments, informative pieces, and narratives while following a clear writing process. They will conduct research, integrate information from multiple sources, and use proper MLA citation. Speaking and listening skills are developed through discussions and presentations that require clear communication and thoughtful responses. Students will also expand vocabulary, refine grammar, and strengthen language conventions. By the end of ELA I, students will be prepared for the literacy demands of future coursework and real-world communication.

LANGUAGE ARTS II

10th Grade

1 Language Art Credit

****Prerequisite: Language Arts I***

The year-long tenth grade Language Arts curriculum focuses on developing effective communication skills and deepening students' understanding of how literature connects to real-world experiences. Students will build writing competency by writing for a variety of purposes. Instruction will emphasize vocabulary growth, correct grammar usage and mechanics, strong support of ideas through structured organization, sound reasoning, and textual evidence. Literature study includes reading, analyzing, and responding to major works across genres to explore universal themes and human experiences. The course prepares students for future academic success and lifelong learning by fostering critical thinking, thoughtful expression, and an appreciation for the power of language. Students will also be introduced to the MLA research format in preparation for Language Arts III.

LANGUAGE ARTS III

11th Grade

1 Language Art Credit

****Prerequisite: Language Arts II***

In this year-long course, students will read and analyze complex literature and nonfiction, focusing on how authors use language, structure, and cultural context to develop meaning. Students will strengthen their ability to draw conclusions, make inferences, and support ideas with strong textual evidence. Students will write argumentative, informative, and narrative pieces using a full writing process, emphasizing clear organization, purpose, and style. They will also conduct research and integrate credible sources using proper citation. Speaking and listening skills are developed through discussions, presentations, and evaluations of reasoning and evidence. Students will refine grammar, vocabulary, and conventions to improve clarity in both writing and speech. By the end of the course, students will be prepared for the expectations of senior-level English as well as college and career communication.

LANGUAGE ARTS IV (COLLEGE PREPARATORY)

12th Grade

1 Language Art Credit

****Prerequisite: Language Arts III***

Language Arts IV is a survey of world literature with emphasis on literature from Greek myths, Arthurian legends, Shakespeare, and Russian ex-patriot Ayn Rand to deepen their understanding of human experience, author's craft, and the relationship between literature and culture. In addition, the students will learn about different types of writing and research skills, including but not limited to correct usage of the MLA format for research papers, as well as grammar skills and vocabulary development. Emphasis is placed on developing strong critical reading and academic writing skills.

LANGUAGE ARTS IV (CAREER AND WORKFORCE FOCUS)

12th Grade

1 Language Art Credit

****Prerequisite: Language Arts III***

Language Arts IV emphasizes practical reading, writing, and communication skills essential for success in the workplace and adult life. Students will engage with real-world texts and tasks such as résumés, cover letters, business writing, and presentations. Emphasis is placed on clear communication, professional etiquette, and collaboration. By the end of the course, students will be prepared to apply language and critical thinking skills confidently in career, technical, and community settings. Students will complete a Senior Memory Book and post-secondary research project during the 4th quarter in which they reflect on years past and look to the future with research including an expert interview from their chosen (potential) career field.

MATHEMATICS

PRE-ALGEBRA

9th Grade

1 Mathematics Credit

****Prerequisite: Administrative approval required.***

Pre-algebra lays the foundation for algebra and beyond. With hands-on practice and problem-solving activities, students will build a solid understanding of pre-algebra concepts such as integers, fractions, decimals, ratios, proportions, and basic algebraic expressions. Lesson topics include simplifying expressions, solving simple equations and inequalities, functions, and laws of exponents. Students will gain understanding of the principles of the coordinate plane and learn basic geometry concepts by exploring the relationships between shapes, areas, and volumes. By the end of the course, students will be prepared for algebra and have a strong foundation in essential pre-algebra skills. At the completion of the course, students will enroll in Algebra IA.

ALGEBRA IA

9th through 10th Grades

1 Mathematics Credit

****Prerequisite: Administrative approval required.***

Algebra IA is designed for students to begin the study of algebra at a slower pace. It is designed to be paired with Algebra IB. The course will cover the first half of the topics normally covered in the traditional Algebra I course: real numbers, simplifying and evaluating expressions, solving and graphing equations and inequalities, writing equations for lines, and solving systems of equations. At the completion of Algebra IA each student will then be required to take Algebra IB in order to fulfill the complete Algebra I requirement.

ALGEBRA IB

10th and 11th Grades

1 Mathematics Credit

****Prerequisite: Algebra IA***

Algebra IB is the second year of a two-year Algebra class and builds on the concepts taught in Algebra IA. This course assists students in the transition to the abstract concepts of algebra by providing a sequential development of concepts and skills from the arithmetic to the symbolic by using concrete materials. The course will cover the second half of topics normally covered in a traditional Algebra I course: operations with exponents and polynomials, factoring, quadratic equations, rational expressions, radical expressions and equations, and an introduction to irrational numbers. Students will take the state end-of-course test at the completion of Algebra IB.

ALGEBRA I

9th through 12th Grades

8th Grade Algebra I will not be counted towards high school credit.

1 Mathematics Credit

Algebra I is a one-year course which deals with the study of real numbers; simplifying and evaluating numerical, algebraic, exponential, radical and rational expressions; writing, solving, and/or graphing equations and inequalities (one variable, linear, quadratic, exponential, radical and rational) as well as systems of equations and inequalities; operations with exponents and polynomials; and factoring polynomials. Students will take the state-mandated End-of-Course (EOC) exam during the second semester. The future courses of Algebra II, Geometry, Trigonometry, etc. are built upon the foundational concepts studied in this course preparing the student for college-level classes. At the end of the first nine weeks, a student earning a "D" or an "F" may be transferred to Algebra IA for the purposes of student success.

GEOMETRY

9th through 12th Grades

1 Mathematics Credit

****Prerequisite: Algebra I or Algebra IB***

Geometry is a one-year course which deals with the study of planar and special geometry including the following: basic concepts and formulas; geometric reasoning; algebraic and geometric proofs; parallel and perpendicular lines; triangle and polygon congruence and similarity; properties and attributes of triangles; properties of polygons and quadrilaterals; right triangle trigonometry; perimeter, circumference, and area of planar shapes; spatial reasoning and formulas; surface area and volume; properties of circles; and various types of transformations. This course also gives the student various opportunities to work with mathematics in a hands-on manner. The work and assignments in this course will challenge the student, but will prepare the students for college level classes and show how mathematics is used in the real world by ordinary people every day.

APPLIED GEOMETRY

10th through 12th Grades

1 Mathematics Credit

****Prerequisite: Algebra I B or Algebra I***

In this course students discover, learn and apply the basics of geometry. The student will learn how often geometry is used in ways that relate directly to everyday life. Topics of study will include reasoning, parallel and perpendicular lines, triangles, quadrilaterals, and circles. This course will show the uses of geometry in architecture, art, interior design/remodeling, construction, landscaping, etc. Enrollment in this course is by teacher and administration placement only.

ALGEBRA II

10th through 12th Grades

1 Mathematics Credit

*** Prerequisites: Algebra I or Algebra IB, AND Geometry**

*** Geometry can be taken concurrently with Algebra II with instructor approval**

This is a one-year course with an emphasis in linear, quadratic, exponential and logarithmic functions. This course also offers an introduction to probability and statistics in preparation for the ACT.

REAL WORLD MATHEMATICS

11th and 12th Grades

1 Mathematics Credit

****Prerequisite: Algebra I B or Algebra I AND administrative approval required.***

This course is a one-year course that is designed to prepare the student for life outside the school environment. It provides the student with a good foundation in the various types of math used in the "Real World": savings and checking accounts, loans, living expenses, housing, investing, and auto maintenance, public transportation, home improvements, and more.

MATH 125 QUANTITATIVE REASONING (DC)

Weighted

11th and 12th Grades

0.5 Mathematics Credit and 3 College Credit Hours through Crowder College

****Prerequisite: Algebra II***

Dual Credit - Students must have earned a 19 in Math on the ACT or obtained the placement score of 265+ on the appropriate Accuplacer math test. When offered for optional college credit, an additional fee will apply.

This course studies the skills necessary to process and communicate quantitative information found in daily life. Specific topics include probability, statistics, proportional reasoning, modeling data, financial mathematics, and problem solving. This course will satisfy most degree requirements in Mathematics and should transfer to most four-year institutions.

MATH 135 ALGEBRA FOR CALCULUS (DC)

Weighted

(Formerly Known as COLLEGE ALGEBRA)

11th and 12th Grades

0.5 Mathematics Credit and 3 College Credit Hours through Crowder College

****Prerequisite: Algebra II***

Dual Credit - Students must have earned a 22 in Math on the ACT or obtained the placement score of 235+ on the appropriate Accuplacer math test. When offered for optional college credit, an additional fee will apply.

College Algebra involves the study of equations and inequalities; linear, quadratic, polynomial, rational, exponential, and logarithmic; and their applications. This course will satisfy most degree requirements in mathematics and should transfer to a four year institution. Of course, it is important to check with the college of your choice to confirm transferability.

MATH 112 TRIGONOMETRY (DC)

Weighted

11th and 12th Grades

0.5 Mathematics Credit and 3 College Credit Hours through Crowder College

****Prerequisite: College Algebra***

Dual Credit - Students must have earned a 22 in Math on the ACT or obtained the placement score of 235+ on the appropriate Accuplacer math test. When offered for optional college credit, an additional fee will apply.

Trigonometry involves the study of the six trigonometric functions and their applications. This course is offered for dual credit only. This is a spring semester course.

MATH 150 CALCULUS I, Part 1 (DC)

Weighted

12th Grade

0.5 Mathematics Credit and 2 College Credit Hours through Crowder College

****Prerequisite: College Algebra and Trigonometry or a 26 in math on the ACT or obtained the placement score of 275+ on the appropriate Accuplacer math test.***

This course begins a sequence of calculus and analytical geometry courses. Topics include the derivative and its applications. This is a fall semester course.

MATH 160 CALCULUS I, Part II (DC)

Weighted

12th Grade

0.5 Mathematics Credit and 3 College Credit Hours through Crowder College

***Prerequisite: Calculus I, Part I**

This course continues the study of Calculus, including applications of the derivative, L'Hopital's Rule, and the integral. This is a spring semester course.

SCIENCE

PHYSICAL SCIENCE

Recommended for 9th Grade

1 Science Credit

***Prerequisite: None**

Physical Science in Grade 9 will focus on skills and knowledge related to matter and energy, force and motion, and Earth and space systems. Students will explore how the scientific concepts contained in these focus areas affect their daily lives. In studying these concepts students will develop scientific inquiry skills and knowledge of the role of technology in their lives. The study of physical science will prepare students to function in a world that is increasingly dependent on technological innovations as well as provide skills and knowledge which they will use as they continue their studies in other areas of science.

BIOLOGY

Required for 10th Grade

1 Science Credit

***Prerequisites: None**

Biology students examine the nature of living organisms through a variety of projects and laboratory activities. Topics include cellular makeup and function, organization, functions and interactions of organisms, and the nature of functions of the human body. The impact of society's perceptions of science, and the impact of scientific discoveries and technology on society will be examined and evaluated. These will be accomplished by lecture, laboratory activities, media, field trips, projects, and homework assignments. The purpose of Biology is to provide students with knowledge of the nature of living things. Students should develop an understanding of their bodies, and the relationships between living organisms and their environments, to be enlightened citizens on the issues of present and future society.

ANATOMY & PHYSIOLOGY

11th and 12th Grades

1 Science Credit

***Prerequisite: Biology**

Anatomy and Physiology provides students with a comprehensive understanding of the structure and function of the human body. Through a combination of hands-on activities and project based learning, students explore the various systems that make up the human body. Throughout the course, students will examine the relationships between different body systems and how they work together to maintain homeostasis. They will also investigate the role of cells, tissues, and organs. Emphasis is placed on understanding anatomical terminology, basic physiological processes, and common health issues related to each body system. Students will engage in laboratory activities, dissections (where appropriate), and other hands-on experiences to reinforce their understanding of anatomical structures and physiological concepts. By the end of the course, students will have developed a strong foundation in the fundamentals of anatomy and physiology, preparing them for further study in health sciences, medicine, or related fields, as well as providing them with valuable knowledge for making informed decisions about their own health and wellness.

CHEMISTRY I

****11th and 12th Grades, 9th graders must demonstrate academic readiness***

1 Science Credit

Prerequisites: A "C" or better in Algebra I is highly recommended

Chemistry is the study of the relationship between matter & energy and the changes they undergo. The purpose of chemistry is to develop an appreciation of the chemical nature of the world. Students will develop an analytical approach to problem solving and skills needed in advanced levels of science.

BIOLOGY II aka Biology 101(DE)

Weighted

11th and 12th Grades

0.5 Science Credit and 4 College Credit Hours through Crowder College

****Prerequisite: A "C" or better in Biology, 2.5 GPA, and must meet the minimum placement score via the ACT or Accuplacer reading test.***

Biology II students will study the body using a variety of methods which will include laboratory activities such as the dissection of preserved specimens, the study of anatomical models and microscope slides. Evaluation of current research, technology, and issues related to the health field will be included. The purpose of Biology II is to provide students an in-depth look at science as it applies to everyday experiences through an investigation of organisms and their environments. Students will be provided an

ENVIRONMENTAL SCIENCE

****11th and 12th Grades***

1 Science Credit

This course examines the relationships between living organisms, humans, and the natural environment. Students will explore ecosystems, biodiversity, adaptations, populations, natural resources, and human impacts on the environment. Using hands-on investigations, outdoor learning, and the Missouri Department of Conservation's Nature Unbound curriculum, students study local and global environmental systems and engage in activities that develop scientific understanding and responsible decision-making. By the end of the course, students will be able to analyze environmental challenges and propose solutions to promote a healthy and sustainable future. opportunity to explore related careers and to practice decision-making skills concerning personal and community issues. This course partially fulfills general education requirements in science. A practical laboratory component emphasizes scientific investigations and supports lecture material.

BOTANY

11th and 12th Grades

0.5 Science Credit

****Prerequisite: Biology***

Botany is the scientific study of plants and their relationship to the environment. In this course students investigate the growth, reproduction, anatomy, morphology, physiology, biochemistry, taxonomy, genetics, and ecology of plants. Laboratory experiences complement classroom activities.

FRESHWATER BIOLOGY

11th and 12th Grades

0.5 Science Credit

***Prerequisites: Biology (or concurrent enrollment with instructor approval)**

This course provides students with an in-depth exploration of Missouri's freshwater ecosystems, with a special focus on the streams, rivers, ponds, and springs of the Ozarks region. Students will investigate the biological, chemical, and physical factors that shape aquatic environments and learn how these systems support complex and diverse communities of organisms.

Topics include:

- Missouri aquatic biodiversity, including macroinvertebrates, fish, algae, and aquatic plants
- Watershed dynamics and the hydrology of local streams
- Water-quality indicators (pH, dissolved oxygen, nutrients, turbidity, and conductivity)
- Human impacts on freshwater systems, including land use, pollution, and conservation challenges
- Ecological relationships and energy flow within freshwater habitats
- Endangered and invasive species relevant to Missouri waterways

Students will participate in hands-on laboratory investigations and (when possible) local field studies involving macroinvertebrate sampling, water-quality testing, habitat assessment, and species identification. Emphasis is placed on scientific inquiry, data collection, and real-world applications such as stream health monitoring and conservation practices used in the state of Missouri.

SOCIAL STUDIES

AMERICAN HISTORY

9th Grade

1.0 Social Studies Credit

***Prerequisite: None**

This course is a basic chronological study of American history beginning at reconstruction through contemporary America, emphasizing communication, research, analysis and writing skills. American history gives students a background of historical knowledge so that they may better understand how their country, government and culture evolved. Students will better understand the present and have the historical tools necessary to function as future American citizens.

WORLD HISTORY

10th Grade

1 Social Studies Credit

***Prerequisite: None**

The discipline of world history will be an in-depth study of the chronological events of the world. Knowledge of world history addresses significant events, people, ideas, trends, and conflicts with concern for causes, consequences, and relationships across time and place. The world history discipline is designed to provide a comprehensive review of the major world events that helped shape modern society. This focus will enable students to gain sensitivity to global cultures. Students will become independent thinkers and problem-solvers.

AMERICAN GOVERNMENT

11th and 12th Grades

1 Social Studies Credit

***Prerequisite: None**

The study of American and Missouri governments helps students to develop a better understanding of the foundations of our democracy. The relationships of the three branches of this system are also considered.

Citizenship, including both rights and responsibilities, is stressed. The purpose of a government course is to help students to function as responsible and productive citizens in democratic society.

PSYCHOLOGY

11th and 12th Grades

0.5 Social Studies Credit

****Prerequisite: None***

Psychology is the study of individual human behavior with emphasis on biology and behavior, mental and emotional stress, motivation, personal adjustment, human development, social psychology and psychological research. The course of psychology is an active applied approach to the science of individual human behavior. Psychology principles are applied in all areas of life. The study of psychology helps students learn about themselves and others and build basic life skills.

SOCIOLOGY

11th and 12th Grades

0.5 Social Studies Credit

****Prerequisite: None***

Students will explore the origins of our values/beliefs and behaviors and society's behaviors as well as explore the concepts and theories necessary to understand society. Topics include considering sociology as science, the nature of large-and small-scale groups, social stratification, historical eras and social change, and race, ethnic, and gender relations.

MAJOR CONFLICTS OF THE 20TH AND 21ST CENTURIES

11th and 12th Grades

0.5 Social Studies Credit

****Prerequisite: None***

This upper-level history course examines the causes, key events, and global impacts of major conflicts from World War I through contemporary international crises. Students will analyze political, social, and technological developments that shaped modern warfare and explore how these conflicts continue to influence today's world. Emphasis is placed on critical reading, discussion, and research-based inquiry. Because of the advanced content and analytical expectations.

Contemporary Issues and Current Events

11th and 12th Grades

0.5 Social Studies Credit

****Prerequisite: None***

This course explores major current events shaping the United States and the world today. Students will examine political, social, economic, and environmental issues through news analysis, discussion, and research. The course emphasizes media literacy, critical thinking, and understanding diverse perspectives while helping students connect present-day developments to broader historical and global contexts.

WORLD CULTURES

10th through 12th Grades

0.5 Social Studies Credit

****Prerequisite: None***

This semester course provides students the opportunity to learn the many aspects of various cultures of the world in order to develop an understanding and appreciation of those cultures and their people. Geography, history and art are some of the many topics. Students will use online resources and present information they learn to their classmates. Classroom discussion is an integral part of the course. Some hands-on activities may be included.

WORLD LANGUAGES

SPANISH I

9th through 12th Grades

1 Foreign Language Credit

****Prerequisite: None***

This first year Spanish college preparatory course provides students the opportunity to learn to speak, listen, read, and write in Spanish in order to develop basic language skills and knowledge needed to be successful if further study of Spanish is desired. Students will study in the present tense, learning a large amount of vocabulary words and basic grammar constructions. Accuracy in speaking and writing are emphasized in order to foster a high standard of oral and written communication. The study of customs and culture is an integral part of the course.

SPANISH II

10th through 12th Grades

1 Foreign Language Credit

****Prerequisite: A "C" or better in Spanish I***

Students continue to learn the language through its use in realistic contexts with more complex grammatical structures. Students will study present progressive and preterite tenses, as well as the imperative. A unit of Don Quixote is included. The study of customs and culture is an integral part of the course.

HEALTH AND PHYSICAL EDUCATION

PHYSICAL EDUCATION

9th Grade

0.5 Physical Education Credit

****Prerequisite: None***

This course covers physical fitness concepts, the significance of lifestyle on one's health and fitness, and the development of an individual optimum level of physical fitness.

HEALTH

Preferably taken in 9th Grade

0.5 Physical Education Credit

****Prerequisite: None***

The high school Health class prepares students to understand health and wellness with special emphasis on nutrition, mental, social and physical health, the prevention of illness, basic care of the ill, life-management skills, as well as risk reduction skills and how these behaviors can improve the quality of life and life expectancy. The purpose of Health education is to solve problems impacting health and wellness. Students should develop the ability to assess and evaluate health-care information, make responsible health-care decisions and communicate effectively with family members and health-care providers.

POWER WALKING

10th through 12th Grades

0.5 Physical Education Credit

****Prerequisite: None***

Students will walk street routes beginning with 1 1/2 miles and working up to a distance of 3 miles. Students should be prepared to walk an hour with speeds to increase as distance gets longer. This is a great class for those wanting to have an aerobic workout and is an alternative to the traditional physical education class. This course covers physical fitness concepts, the significance of lifestyle on one's health and fitness, and the development of an individual optimum level of physical fitness.

INTRODUCTION TO YOGA

10th through 12th Grades

0.5 Physical Education Credit

****Prerequisite: None***

This course is designed to introduce students, safely and accessibly, to the basic postures, breathing techniques, and relaxation methods of yoga. Students will begin to experience the benefits of stretching, moving, and breathing freely as they relieve built up stress, learn to relax, and ultimately get more out of day-to-day life. The aim of this course is to promote vibrant health and to tap the body's latent energy reserves.

WEIGHTS

9th through 12th Grades

1 Physical Education Credit--Repeatable

****Prerequisite: None***

This course is designed to introduce students to the fundamental principles of strength and conditioning through structured weight training and athletic performance exercises. Students will develop a strong foundation in strength, agility, speed, and plyometrics, while learning proper technique, safety, and training strategies that support lifelong fitness.

Throughout the course, students will:

- Build total-body strength through resistance training, free weights, and functional movements.
- Improve agility and coordination using ladder drills, cone patterns, balance work, and movement-based training.
- Develop speed and acceleration through sprint mechanics, explosive drills, and short-distance running progressions.
- Increase power and athletic performance with plyometric exercises such as jumps, bounds, and medicine-ball work.
- Learn how to design balanced workouts, set fitness goals, track progress, and apply principles like overload, recovery, and proper nutrition.
- Understand the importance of safe lifting techniques, spotting, warm-ups, cool-downs, and injury prevention.

By the end of the course, students will gain confidence in the weight room, improve overall athletic ability, and build habits that support ongoing personal fitness and well-being. This class is suitable for all experience levels, from beginners to advanced athletes.

LIFETIME SPORTS

10th through 12th Grades

1 Physical Education Credit

****Prerequisite: None***

Lifetime Sports develops students physically, socially, mentally, and emotionally. It is designed to stress choices and decisions in developing healthy bodies, attitudes, and behavior patterns through team sport and activities. The goal of Lifetime Sports is to provide the students with knowledge and understanding of individual, dual, and team sports that may be carried on into adulthood for enhancement of life.

FINE ARTS

ART I

9th through 12th Grades

1 Fine Art Credit

****Prerequisite: None***

This course is designed to give students experience with a variety of two-dimensional media and materials such as painting, drawing, and printmaking as well as three-dimensional media such as clay, wood, wire, and plaster. Students will enhance their creative techniques while increasing their knowledge and versatility in two- and three-dimensional skills. The purpose of this course is to provide the opportunity for students to develop awareness, dexterity, problem solving, and creative thinking skills to create two-dimensional works of art both functional and aesthetic in nature.

ART II

10th through 12th Grades

1 Fine Art Credit--Repeatable

****Prerequisite: A "C" or better in Art I or teacher's approval.***

This course is designed to give students more advanced experience with a variety of media. Students will continue to enhance their creative techniques while increasing their knowledge and versatility.

ADVANCED ART

11th and 12th Grades

1 Fine Art Credit--Repeatable

****Prerequisite: A "C" or better in Art II and teacher's approval.***

This course is designed to assist students in further development of their artistic skills. Students will be given open-ended assignments that will be completed often by the media of their own choice.

PHOTOGRAPHY I

9th through 12th Grades

1 Fine Art Credit

This is an introductory course in photography as a fine art. Units of study include composition, exposure, event photography, editing & organization; law & ethics, and photo tips for common scenarios. Students will use the school's cameras. This course will be taught as a hands-on workshop. Instruction will progress from basic camera operation to more comprehensive storytelling.

PHOTOGRAPHY II

10th through 12th Grades

1 Fine Art Credit

Prerequisite – Photography 1

More aesthetic in nature, Photography II is a project intense course that builds upon the knowledge and skills gained in Photography 1. Students will explore concepts of lighting, color, composition and design in areas of portraiture, photojournalism, still life product shooting, and graphic design. Projects will be produced digitally. Students will write essays related to the projects and be able to explain and critique their works.

BAND

9th through 12th Grades

1 Fine Art Credit--Repeatable

****Prerequisite: Must have participated in the Middle School Band or try out for the instructor before enrolling. Students must have been enrolled in band throughout the previous year or obtain special permission from the director before enrolling.***

The Diamond High School Band performs in the first semester as the marching band and throughout the rest of the school year as the symphonic band. Band is a co-curricular activity that rehearses during, before and/or after school hours, performs at various home sporting events, takes trips to various area festivals, gives home concerts and performs at additional events as needed. Students signing up for this class understand that events outside of school hours are required and part of the grade for the class. Mandatory band camp is traditionally held the last two weeks of July.

MUSE: Music, Understanding Songwriting, and Expression

9th through 12th Grades

1.0 Fine Art Credit

Prerequisite: None, but some music experience helpful

An immersive course designed for students who want to explore their musical creativity. This class focuses on the art of songwriting, music theory, and music production, providing students with the tools to compose original music, write compelling lyrics, and produce quality recordings. Objectives: Compose and arrange original songs, analyze lyrical and musical elements across genres, develop proficiency in digital audio workstations (DAWs), and cultivate collaboration and feedback skills to refine creative projects. This course is repeatable at the discretion of the teacher. Students who repeat this course will be given additional opportunities to create with advanced criteria.

CHORUS

9th through 12th Grades

1 Fine Art Credit--Repeatable

Prerequisite: Director's permission or audition may be required for enrollment as a basic ability to recognize pitches and a reasonable vocal range are necessary to participate in this class.

The Diamond High School Choir is for talented singers who wish to further their classical training and develop new skills. The choir studies and performs a variety of music in traditional choral styles including Latin and other language pieces. The choir will perform interesting programs filled with music that focuses on correct pronunciation, dynamic contrast, balance, blend, pitch recognition/recall, sight singing, phrasing and emotional interpretation. The choir takes trips to various area festivals, gives home concerts and performs at additional events as needed. Students signing up for this class understand that events outside of school hours are required and part of the grade for the class.

DRAMA I

9th through 12th Grades

1 Fine Art Credit--Repeatable

Prerequisite: None

This a survey (introductory) class to the theatre. Students will examine the history of theatre and the efforts of the playwright, artistic director, actor and crew to produce a show. A limited exposure to all areas of the theatre will give the students a chance to explore it.

DRAMA II

10th through 12th Grades

1 Fine Art Credit--Repeatable

Prerequisite: Drama I

This class builds on the knowledge of the theatre learned in Drama 1. Students will be expected to dig deeper into the history of the theatre and be prepared to share their knowledge through research and digital presentations. Students will be instrumental in producing a show in the fall and spring semesters with the class instructor acting as the producer for these shows.

PRACTICAL ARTS

AGRICULTURAL EDUCATION

AGRICULTURAL SCIENCE I (SCI)

9th and 10th Grades

1 Practical Art Credit

Note: This course along with Agriculture Science II and another Ag Science based class may be counted toward the science requirement for graduation.

Agricultural Science I is a general class that is divided into three main units: animal production, welding skills, and leadership skills. Students begin by learning to identify breeds and classes of animals used in agriculture production. Learning what breed is most likely to offer what pluses in production and how to manage that production in a most profitable way is a large part of the course study.

In the unit on leadership, students plan and develop an individualized leadership program as well as a Supervised Agricultural Experience (SAE) program. Leadership skills are also honed through parliamentary procedure and other group learning techniques.

In welding, students cover selection of tools, proper use, maintenance, and safety factors. Students do arc and oxy-acetylene welding and prepare, cut, and weld different joints in mild steel. Throughout the course, students learn record-keeping by keeping accounts of receipts, expenses, and inventory of their SAE program. Basic people and leadership skills are a must for an individual to function effectively and perform in today's society. This course includes leadership training and personal development skills through FFA instruction and intra-curricular activities. Students are also provided the opportunity to learn basic problem-solving management skills in the areas of animal science and agricultural mechanics.

AGRICULTURAL SCIENCE II (SCI)

10th and 11th Grades

1 Practical Art Credit

***Prerequisite: Agriculture Science I**

Note: This course along with Agriculture Science I and another Ag Science based class may be counted toward the science requirement for graduation.

Agricultural Science II is a generalized agriculture course that covers three main units: soils and plants, leadership, and construction. Students study soils and soil conservation before they learn to test and manage soil productivity. Identification of various crops, seeds, and live plants constitutes one part of this class. Students learn plant physiology, including life cycles, food production, reproduction, and plant classification. Students in Agricultural Science II construct a metal or wood project to exhibit skills they have learned in welding and tool use. Parliamentary procedure and public speaking exercises are used to instill leadership skills. The course also covers possible careers in plant agriculture. Agricultural Science II provides students an opportunity to develop advanced leadership skills and group interaction skills through FFA instruction, activities, and parliamentary procedure. As plants are the basics of all life, students will also study basic plant and crop science as it relates to the environment and food production.

Agricultural SAE (Supervised Agricultural Experience)

12th Grade

1 Practical Art Credit

****Prerequisite: Must be enrolled in an AG class in addition to this class, be a senior, and have a valid driver's license and transportation.***

The SAE is a required component of a total agricultural education program and intended for every student. Through their involvement in the SAE program, students are able to consider multiple careers and occupations, learn expected workplace behavior, develop skills within an industry, and are given opportunities to apply academic and occupational skills in the workplace or a simulated workplace environment. Through these strategies, students learn how to apply what they are learning in the classroom as they prepare to transition into the world of college and career opportunities.

EQUINE SCIENCE (SCI)

11th and 12th Grades

1.0 Practical Art Credit

Offered in even years, ex. 2028, 2030

****Prerequisite: Agriculture Science II***

Note: This course along with Agriculture Science I and II may be counted toward the science requirement for graduation. Must equal 3 specific credits to earn the life science credit.

A survey of equine science, including equine evolution, breeds and breeding, selection and confirmation, nutrition and feeding, facilities, handling, and health management. Students also will explore careers in the equine industry. Emphasis on sound management practices. For students exploring the equine industry as a career or in just having a horse as a hobby.

AGRICULTURAL STRUCTURES I/II

11th and 12th Grades

0.5 Practical Art Credit

Offered in odd years, ex. 2027, 2029

****Prerequisite: Agriculture Science II***

Note: This course along with Agriculture Science I and II may be counted toward the science requirement for graduation with administrative approval. Must equal 3 specific credits to earn the life science credit.

The course is composed of two one-semester courses, but students are encouraged to take both semesters in one year to get exposure to all aspects of the Structures curriculum. Agricultural Structures focuses on the skills and knowledge needed to construct, repair or remodel structures commonly found in an agribusiness. Structures have many uses in agribusiness, making knowledge of the principles and practices related to agricultural structures vital for individuals working in the field. In addition, the skills and knowledge learned in the course have many other practical applications.

AGRICULTURAL POWER I/II

11TH and 12th Grades

1.0 Practical Art Credit

Offered in even years, ex. 2028, 2030

Note: This course along with Agriculture Science I and II may be counted toward the science requirement for graduation with administrative approval. Must equal 3 specific credits to earn the life science credit.

****Prerequisite: Agriculture Science II***

Agricultural Power provides hands-on experience and instruction on basic principles of power and machinery operation, maintenance, service and repair. Topics covered include: internal combustion engine parts and operations; transmissions and electrical systems; and fuel and hydraulic systems. This course will have computer enhancement when appropriate.

NATURAL RESOURCES (SCI)

11th and 12th Grades

0.5 Practical Art Credit

Offered in even years, ex. 2028, 2030

***Prerequisite: Agriculture Science II**

Note: This course along with Agriculture I and II may be counted toward the science requirement for graduation.

This course prepares individuals for employment involving the conservation and/or improvement of natural resources, such as air, soil, water, land, fish, and wildlife for economic and recreational purposes. Emphasis within the program will be on developing competencies in the following areas: surveying mapping, soils, planning and constructing drainage systems, servicing and maintaining equipment and facilities, maintaining and constructing structures, controlling the plant environment, maintaining and improving grounds, applying safety practices, breeding, handling and caring for animals, and maintaining animal health, and managing and utilizing timber.

FLORICULTURE (SCI)

11th and 12th Grades

0.5 Practical Art Credit

Offered in even years, ex. 2028, 2030

***Prerequisite: Ag. Science I and II**

Note: This course along with Ag I and II may be counted toward the science requirement for graduation.

This one semester course will focus on the importance of the Floriculture industry. Topics include: the floriculture industry, plant identification, post-harvesting handling, the mechanics of floral design, basic principles of floral design, construction of various types of designs and shop operations.

ANIMAL SCIENCE (SCI)

11th and 12th Grades

1.0 Practical Art Credit

Offered in odd years, ex. 2027, 2029

***Prerequisite: Agriculture Science II**

Note: This course along with Agriculture Science I and II may be counted toward the science requirement for graduation. Must equal 3 specific credits to earn the life science credit.

This is an upper level course that is designed for agriculture students to engage in hands-on labs and activities to explore the world of animal agriculture. Areas of study include the history and use of animals, animal handling, animal nutrition, animal reproduction, animal health, and animal products.

GREENHOUSE OPERATION AND MANAGEMENT (SCI)

11th and 12th Grades

0.5 Practical Art Credit--Fall Semester

Offered in odd years, ex 2027, 2029

***Prerequisite: Agriculture Science II**

Note: This course along with Agriculture Science I and II may be counted toward the science requirement for graduation. Must equal 3 specific credits to earn the life science credit.

This one semester course will focus on the importance of the greenhouse industry, development of greenhouses, and the principles of plant science. Study of the operation and management of greenhouses will equip students with the knowledge and skills needed to successfully become involved in this field at an entry level.

CONSERVATION (SCI)

11th and 12th Grades

0.5 Practical Art Credit

Offered in even years, ex. 2027, 2029

****Prerequisite: Agriculture Science II***

Note: This course along with Agriculture I and II may be counted toward the science requirement for graduation.

This course prepares individuals for employment involving the conservation and/or improvement of natural resources, such as air, soil, water, land, fish, and wildlife for economic and recreational purposes. Emphasis within the program will be on developing competencies in the following areas: surveying mapping, soils, planning and constructing drainage systems, servicing and maintaining equipment and facilities, maintaining and constructing structures, controlling the plant environment, maintaining and improving grounds, applying safety practices, breeding, handling and caring for animals, and maintaining animal health, and managing and utilizing timber.

BUSINESS EDUCATION

INTRODUCTION TO BUSINESS

9th through 12th Grades

1.0 Practical Art Credit

****Prerequisite: (None)***

This course is designed to introduce students to how business works in today's society and to provide a foundation for other business courses. Content includes business functions such as accounting, management, marketing and other consumer issues regarding money and money management, banking system and services and government's role in business and technology in the business world.

PERSONAL FINANCE

Graduation Requirement

0.5 Personal Finance Credit - 11th and 12th Grades

This one semester course is required for graduation. The course will focus on teaching students practical and authentic skills and knowledge related to money management, consumerism, and investment of financial resources. In modern society, young people have more control over their personal finances. In this course, students will develop skills related to responsible financial management and obtain knowledge and skills needed in their roles as consumers, workers, family members, and citizens.

BUSINESS MANAGEMENT

10th through 12th Grades

1 Practical Art Credit

Offered even years (2028, 2030)

****Prerequisite: (None)***

Students will learn about strategic planning and decision making, leadership and motivation in the workplace, human resources, and successful management skills. Students will also study and train to meet established needs in business, sales, and supervision practices.

BUSINESS LAW

10th through 12th Grades

0.5 Practical Art Credit

Offered odd years (2027, 2029)

****Prerequisite: (None)***

This course is designed to acquaint students with the basic legal principles relevant to their roles as citizens, consumers, and employees through a mixture of personal, business, and consumer law. The content includes the basic characteristics of the American system of free enterprise, rights of private property, basic elements of contracts, employer-employee relations, landlords and tenants, individual rights, wills and estates, family and juvenile justice law, and community property.

BANKING AND FINANCIAL SERVICES

10th through 12th Grades

0.5 Practical Art Credit

Offered odd years (2027, 2029)

****Prerequisite: (None)***

The finance course applies money and economic concepts to the development of personal financial goals and to the preparation of students for careers in which they plan, manage and analyze the financial and monetary aspects and success of business enterprises. Skills in money management deal with the study of basic concepts of economics, insurance, credit, savings, investments, and budgeting— skills needed for productive citizenship. The course may also cover such business financial matters as business cycles, opportunity costs, cost-benefit analysis, methods of financing businesses, stocks and bonds, profit and loss, and others.

ACCOUNTING I

9th through 12th Grades

1.0 Practical Art Credit

Offered odd years (2027, 2029)

****Prerequisite: (None)***

This course is designed to build a basic understanding of manual and automated accounting principles, concepts and procedures. Activities include using the accounting equation, completing the accounting cycle, entering transactions to journals, posting to ledgers, preparing end-of-period statements and reports, managing payroll systems, completing banking activities, calculating taxes and performing other related tasks.

MARKETING

MARKETING I

10th through 12th Grades

1 Practical Art Credit

****Prerequisite: (None)***

This course is designed to provide instruction in the fundamental marketing concepts, the role of marketing in a free enterprise system, and information into the career opportunities in marketing and management. The marketing program of the Diamond R-4 School District is based on the need to adequately prepare students for the world of work. Students enrolled in marketing courses should have the opportunity to learn necessary employment skills and to have the opportunity to explore career paths in the growing marketing field.

ENTREPRENEURSHIP
9th through 12th Grades
1 Practical Art Credit

****Prerequisite: (None)***

An instructional program that provides a background for the development and operation of a business starting with the role of the entrepreneur in our economy to the development of a business plan and the application of specific marketing skills and concepts within the business environment.

SPORTS AND ENTERTAINMENT MARKETING

10th through 12th Grades

0.5 Practical Art Credit

Offered even years (2028, 2030)

****Prerequisite: (None)***

An instructional program that focuses on marketing functions and tasks that can be applied in amateur or professional sports or sporting events, entertainment or entertainment events, selling or renting of supplies and equipment (other than vehicles) used for recreational or sporting purposes, products and services related to hobbies or cultural events or businesses primarily engaged in satisfying the desire to make productive and enjoyable use of leisure time.

COMPUTER BUSINESS APPLICATIONS

10th through 12th Grades

0.5 Practical Art Credit

Offered even years (2028, 2030)

****Prerequisite: None***

This course is a one-semester course. It is designed to enable students to become proficient in the use of computers and various applications such as Google Docs, Google Sheets, Google Forms, and Google Slides. This area of instruction provides content for knowledge and skills required in the technology-based workplace. The demand continues to expand for individuals to interact with the computer to create documents, gather information, and solve problems. The content of this class is vital for students who plan to enter the workforce or even post-secondary education.

MEDIA, PHOTOJOURNALISM, AND PUBLICATIONS

INTRO TO MEDIA PRODUCTIONS

9th through 12th Grades

0.5 Practical Art Credit

Prerequisite: None

This course introduces students to the technical, communicative, and ethical demands of media productions. Students will learn to create various types of media projects through story research, video production, photography, and journalistic writing. Students will be reporting utilizing an online magazine style as well as through broadcast and photojournalism. Emphasis will include producing hands-on projects, both independently and in groups, such as video packaging (as seen in The Prowl), Students will be editing both still photography and video projects using professional software. Students may create an introduction to online story production similar to those utilized in online professional news sites.

MULTIMEDIA APPS

9th through 12th Grades

0.5 Practical Art Credit

Prerequisite: None

Students will learn to navigate and use computer-based (online and desktop) software for productivity and media purposes. Applications for 2D and 3D work such as photo manipulation, document production, personal portfolio creation, and 3D rendering (Blender, Sketchup, Autodesk) will be explored. Students will be given pre-packaged elements to learn with while being able to explore previously learned skills with their own materials, allowing them to expand on personal projects of their own.

ADVANCED MEDIA PRODUCTIONS--THE PROWL ONLINE

10th through 12th Grades

1.0 Practical Art Credit

****Prerequisite: Intro to Media with B or higher AND instructor approval.***

This year-long course that builds on skills learned in *Intro to Media*. As a member of DHS's media program, student journalists will be responsible for producing *The Prowl Online*. Students are expected to be ethical, professional and report responsibly while utilizing advanced journalistic and technical skills to create *The Prowl Online*, a student-led newsmagazine that will report events and news for the Diamond School District. Student journalists will work independently and in groups to produce a monthly broadcast show as well as an online newsmagazine, which will be updated weekly. Duties outside the classroom are required for this course.

COMPUTER SCIENCE PRINCIPLES

9th through 12th Grades

1 Practical Art Credit

Algebra I (Can be taken concurrently)

This course introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. It is designed with the goal of creating leaders in computer science fields and attracting and engaging those who are traditionally underrepresented with essential computing tools and multidisciplinary opportunities. (As per CODE.org)

PUBLICATIONS (Yearbook)

10th through 12th Grades

1 Practical Art Credit

****Prerequisite: Considerations for enrollment will be based on recommendations from Language Arts teachers, the student's academic ability and the instructor's approval.***

The yearbook class will provide students with journalism skills and the ability to apply those skills to the production of a yearbook (high school and elementary). Units of study include teamwork, responsibility, brainstorming, content, coverage, concept, production, reporting, writing, headlines, captions, editing, photography, typography, design, graphics, finances, advertising, and distribution. The yearbook staff strives to maintain a tradition of excellence in which the school and community can take pride.

MISSOURI COURSE ACCESS PROGRAM (MOCAP)

Course availability will be dependent on student need.

9th through 12th Grades

****Any prerequisite will be dependent upon the course being requested as noted in individual courses. Enrollment must go through the building principal.***

Students may enroll in virtual courses through an approved vendor. Each course decision must be made through the building principal in conjunction with the school counselor and/or special education director.

ADDITIONAL ELECTIVES

A+ TUTOR

11th and 12th Grades

0.5 Elective Credit--Repeatable

****Prerequisite: Cumulative GPA of 2.5 or higher (non-weighted) or supervisor approval and enrolled in A+ program***

A+ Tutoring gives students the opportunity to assist and encourage younger students under the supervision of a classroom teacher. Hours earned in this class can be used toward the A+ program requirements. An A+ agreement is required.

CADET TEACHING

11th and 12th Grades

1 Elective Credit

****Prerequisite: Approval of instructor, on target to graduate, and member of FTA***

Cadet teaching is a program designed to give insight and practical experience to high school juniors and seniors who are interested in entering the teaching profession. Working with elementary teachers, cadet teachers learn the intellectual, practical, and interpersonal skills needed to be competent educational

OFFICE AIDE

12th Grade

1.0 Elective Credit

****Prerequisite: Approval of staff, on target to graduate, and considered a student in good standing (based on attendance and behavior).***

The student will be assigned to assist in the operations and duties at one of several positions in the school district. These positions include high school office, middle school office, elementary school office, and copy center. A confidentiality form must be signed and confidentiality maintained. This is a pass/fail course. Hours earned in this class can be used toward the A+ program requirements

professionals. Hours earned in this class can be used toward the A+ program requirements.

LIBRARY AIDE

11th and 12th Grades

1.0 Elective Credit--Repeatable

****Prerequisite: Approval of staff, on target to graduate, and considered a student in good standing (based on attendance and behavior).***

The student will be assigned to assist in the operations and duties with the district librarian in the elementary library. This is a pass/fail course.

SCHOOL FLEX

11th/12th Grade

Credit Varies

****Prerequisite: Approval of administration, on target to graduate with the appropriate credits and considered a student in good standing (based on attendance and behavior).***

Students must have at least 20 credits prior to the start of their senior year. Students must be gainfully employed at all times throughout the semester. Work permits must be signed by students, parents, employers, and administration.

Requirements:

- Evidence of enrollment and attendance at a college/technical school or evidence of employment that aligns with the student's ICAP.
- Student must maintain a 95% attendance rate.

*Students must avoid suspension or expulsion while in the program.
(See Missouri Graduation Requirements)

MOSO CAPS

12th Grade

3.0 Elective Credits

****Prerequisite: Students must complete an application process and be selected for participation. Seats are limited.***

The Missouri Southern Center for Advanced Professional Studies (MOSO CAPS) is a nationally recognized, innovative high school program located on the main campus of Missouri Southern State University. Students fast forward into their future and are fully immersed in a professional culture, solving real world problems, using industry standard tools and are mentored by actual employers, all while receiving high school and college credit.

MISSOURI OPTIONS

****Prerequisite: Meet Missouri state guidelines and approval of administrative staff.***

Students, who are at least 17 years of age and are at least one year behind the class with which they began kindergarten, could be eligible for this program if their class has already graduated. Students must be referred to the Missouri Options program by the high school administration. This referral will be determined by administration and counseling staff with consideration to the student's progress toward graduation, attendance, and behavior. Upon recommendation, the student must take the TABE test (which assesses reading, writing, and math) for the final determination. After passing the HiSet test, students are required to enter the workforce or volunteer for at least 15 hours per week or be enrolled in career and technical education courses.

This program was developed by the Missouri Department of Elementary and Secondary Education and has additional criteria that must be met in order for the student to participate in the program. A contract must be signed among the student, parent, MO Options teacher, and administrator or counselor. Upon successful completion, the student will be awarded a Diamond High School Diploma.

ALTERNATIVE ENROLLMENT OPTIONS FOR SENIORS

If students are interested in one of these options, they must meet with the counselor and/or the principal and have parent permission as well.

EARLY GRADUATION (AT THE END OF FALL SEMESTER OF SENIOR YEAR):

The following criteria have been set forth by the State Department of Education and the Diamond High School administration to allow qualified students to be released from DHS once they complete the Fall semester of senior year.

- Must meet all graduation requirements of the MO State Department of Education and the Diamond RIV Board of Education,
- Complete 20 credits by the end of junior year,
- Must enroll in two Language Arts classes for the Fall semester of senior year,
- Note that failing grades or excessive absences (10+) during the Fall semester could result in the student being required to return to the DHS campus for the Spring semester,
- Early graduates must complete senior checkout papers, return all books and/or chromebook, and be cleared through the counseling office prior to the end of the first semester,
- Early graduates are eligible for senior activities and graduation, but it is the student's responsibility to obtain information and meet all requirements for these activities,
- In order to be eligible to participate in athletics and other MSHSSA activities (band, choir, speech and debate, etc.) the student must be enrolled for 3.0 credits each semester,
- Follow all guidelines of the A+ Scholarship incentive if seeking certification,
- Understand that the student may lose the "good student" auto insurance discount.

PART-TIME ATTENDANCE:

The following criteria have been set forth by the State Department of Education and the Diamond High School administration to allow qualified students to attend part-time during their senior year. The eligibility criteria are:

- Meet all graduation requirements of the State Department of Education and the Diamond High School administration,
- Seniors must attend a minimum of 6 classes for both Fall and Spring semesters, for a total of 6 credits, but may choose an alternative plan like School Flex or MoOptions,
- Complete sufficient credits by the end of junior year,
- Student's classes must be scheduled consecutively,
- Note that failing grades or excessive absences (10+) during the Fall semester could result in the student being required to return to the DHS campus full-time for the Spring semester. If this occurs, a meeting with the student, parent(s)/guardian(s), counselor and/or principal will be required.
- Students attending DHS part-time must leave campus once their classes end for the day (unless there is a special activity or the student has prior approval from school personnel to remain on campus,
- Qualified students are responsible to obtain information about senior activities and meet all requirements for them.
- In order to be eligible to participate in athletics and other MSHSSA activities (band, choir, speech and debate, etc.) the student must be enrolled for 3.0 credits (6 classes) each semester,
- Understand that the "good driver" insurance discount may be lost. Some insurance companies require full-time student status to maintain the discount.
- Students who receive social security death benefits may lose them if he/she is no longer a full-time student.
- To qualify for any Cum Laude recognition at graduation (Summa Cum Laude, Magna Cum Laude, and Cum Laude), the senior must complete six (6) classes in both the Fall and Spring semesters.

CROWDER TECHNICAL EDUCATION CENTER (CTEC)

11th and 12th Grades

3.5 Credits (2 semesters)

****Prerequisite: On target to graduate and considered a student in good standing (based on attendance and behavior).***

Programs of study are offered to Diamond High School students in the AM Session (periods 1, 2, 3, 4– in a two year sequence):

Program options:

Embedded Credits (after two years)	App Comm	Tech Math
*Automotive Technology	1	1
*Building Trades	1	1
*Computer Technology	1	1
*Diesel Technology	1	1
*Welding Technology	1	1
*Health Sciences	1	1
*Criminal Justice	1	1
Advanced Manufacturing (senior only program)	0	0
Teacher Preparation	1	1
Commercial Truck Driving (senior only program)	0	0

*Students may be awarded embedded credits in Applied Communications (1 credit) and Technical Math (1 credit) after completing the two-year sequence.

* Students in the Health Sciences may be awarded an additional embedded credit in Applied Science (1 credit) after completing the two-year sequence.

Assessments

Standardized tests are designed to give a common measure of students' performance. They help compare an individual's performance with the performance of a group of students from a given class, school, or school system. Standardized achievement tests measure how much students have already learned about school subjects such as reading, math, language skills, spelling, or science. On the other hand, standardized aptitude tests measure your student's ability to learn in school. They measure verbal ability, mechanical ability, creativity, clerical ability, or abstract reasoning.

ACT (American College Testing Program)

The ACT is a battery of four examinations in English, math, reading, and science reasoning, each of which yield separate scores measuring developed abilities. The test is required by many colleges as part of the application process for admission. Students typically take the test in the spring of their junior year.

ACT Work Keys

The assessments measure foundational skills required for success in the workplace, and help measure the workplace skills that can affect job performance.

ASVAB (The Armed Services Vocational Aptitude Battery)

The ASVAB measures students' strengths and potential for future success. The ASVAB also provides career information for various civilian and military occupations and is an indicator for success in future endeavors including college, vocational school, or a military career. This test is administered to all sophomores. Scores earned by sophomores cannot be used for the purpose of military recruitment. Juniors and seniors interested in a military career are encouraged to take this exam. The ASVAB scores can be utilized as a prediction of ACT scores. <https://www.military.com/join-armed-forces/asvab>.

EOC (End of Course Exams)

EOC's are the high school version of MAP (Missouri Assessment Program). EOC's are comprehensive exams administered at the end of specific courses: Algebra I; English II; Biology; and American Government. Student performance on these exams is used to measure the district's progress towards meeting state standards and provide valuable feedback for curriculum development.

PSAT/NMSQT (Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test)

The PSAT/NMSQT measures verbal and mathematics reasoning skills important for academic success in college. It serves three purposes: gives the student practice for the SAT; is the first step in qualifying for scholarships sponsored by the National Merit Scholarship Corporation and other scholarship programs; and gives the student the opportunity to participate in the Student Search Service. This test must be taken in the junior year for NMSQT qualification. Sophomores are encouraged to take this exam for the practice effect. www.collegeboard.org.

SAT (Scholastic Aptitude Test)

SAT is a test used to predict student performance in college. Required by some schools as part of the application process, this three-hour test has two main sections—verbal and math. Register at www.collegeboard.org.

ACT WorkKeys

This system of assessments measures essential workplace skills that can affect job performance and increase opportunities for career advancement. By completing the assessments, students can earn the National Career Readiness Certificate® (NCRC®).

TSA (Technical Skill Attainment)

Vocational programs (business, marketing, and agriculture) administer TSA's as part of federal reporting and monitoring guidelines. These assessments ask students to demonstrate mastery of key skills incorporated in specific vocational programs.