

CLYDE
 CONSOLIDATED
 INDEPENDENT
 SCHOOL
 DISTRICT

FOUR - YEAR PLAN

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A WORD TO STUDENTS

This booklet has been prepared in order that you may be aware of the variety of courses that are being offered in the Clyde Consolidated Independent School District. Not only will it aid you in the selection of courses, but it will also set forth the requirements which must be met for graduation. Through its use, you and your parents will become acquainted with the educational opportunities available and can use this information in planning your educational program for grades nine through twelve.

Read this booklet carefully! For many of you, it will vitally affect your life for the next four years. It is important that you plan wisely and that you consult with people who are especially trained to help you-- your counselor, principal, and teachers. They are interested in helping you to make intelligent choices and decisions in order that you may be prepared for the next step when you leave high school, whether it be college, technical-vocational school, military service, or full-time work.

GENERAL INFORMATION

1. Clyde CISD follows the State of Texas graduation rules for our students. House Bill 5 (HB5), passed by the 83rd Texas Legislature and signed by the governor, provides for a new set of graduation requirements for Texas students. These graduation guidelines consist of a foundation for every Texas student and five endorsements from which a student may choose, depending on their interests. When selected, students will complete each of these endorsements with four Mathematics, four Sciences, four English Language Arts, and three Social Studies Credits. Students are also required to complete two foreign language credits which may be substituted with two credits in computer programming language.

Number of Credits

Foundation	22
Foundation + Endorsement	26
*Foundation + Endorsement Distinguished Level of Achievement	26
*Must include an Algebra II course to be eligible for Top 10% Automatic Admission	

2. Credit earned in courses designated in this booklet as offered for local credit only are not counted in the credits required by the state.

3. Students may first begin earning high school units of credit in grade 8.

4. A full credit for a course will be awarded if the first semester grade and the second semester grade average 70.

5. The following guidelines apply in evaluating the transcripts of students transferring to the Clyde CISD:
- a. Units of high school credit earned in Grade 8 will count toward the cumulative grade point average.
 - b. Units of high school credit earned in Grade 8 will count toward rank in class for grades 9 - 12.
 - c. No Credit will be offered for Driver Education.
 - d. Units of credit granted by high schools accredited by Texas Education Agency and the following Associations of Colleges and Schools will be honored:
 - (1) Middle States
 - (2) New England
 - (3) North Central
 - (4) Northwest
 - (5) Southern
 - (6) Western
 - e. Units of credit earned from non-accredited schools will require validation by examination.
 - f. Any restrictions as to number of units of credit that may be earned in summer school, by correspondence, or during a regular term will be applicable to transfer credits.
6. Physical Education credit requirements will be waived for students enrolled in a combination of Band and Marching Band (fall semester only). A student who is waiving Physical Education and who takes Band/Marching Band for less than three semesters (fall semesters only) will be required to enroll in Physical Education and earn the remaining units needed to total one and one-half.

CLASSIFICATION OF STUDENTS:

Students, Grade 9-12, will be classified on the following basis. Classification is determined at the beginning of each school year based on the number of credits the student has earned as of that time.

Grade 9

(Freshmen) PROMOTED FROM EIGHTH GRADE

Grade 10

(Sophomores) 6

Grade 11

(Juniors) 12

Grade 12

(Seniors) 18

Credits for Graduation 26

CONVERTING LETTER GRADES TO NUMERICAL GRADES:

Letter grades transferred from other high schools or colleges will be converted to numerical grades according to the following table:

A+	98	B+	88	C+	78	D+	70
A	95	B	85	C	75	D	70
A-	93	B-	83	C-	73	D-	70
						F	60

SOME VERY IMPORTANT WORDS OF CAUTION:

1. Some courses listed in this booklet may not actually be offered because of lack of student interest.
2. Because of scheduling conflicts and classes closing, a student may not be able to register for every course he/she had planned to take during a particular semester. For this reason, the student should have in mind alternate courses in case the first choice is not available.
3. All courses will not be offered every semester of every year.
4. All courses may or may not be offered in subsequent years.

Graduation:

Students entering the ninth grade in the Clyde Consolidated Independent School District will have the option of choosing graduation endorsements offered by the District that best serves the students' needs. The graduation endorsements offered by the District are compared in the following table. More detailed descriptions of each endorsement are offered on the pages that follow.

A WORD OF CAUTION!

Investigate and plan now. Completion of Clyde CISD graduation requirements may NOT qualify you for entrance to the college of your choice.

Example: Students who plan to participate in athletics in college need accurate information concerning University Interscholastic League rules. Students are encouraged to consult with parents and school counselors in making these important decisions.

GRADUATION

FOUNDATION

English	- 4 Credits
English 1, English II, English III, Advanced English	
Mathematics	- 3 credits
Algebra, Geometry, Advance Math	
Science	-3 Credits
Biology, IPC OR Advanced Science, Plus an additional advanced Science	
Social Studies	- 3 Credits
World History, US History, Government, Economics	
Other Languages	-2 Credits
Year 1, Year 2 (Clyde CISD offers Spanish)	
Fine Arts	- 1 Credit
Band, Choir, Theatre, Art	
Physical Education	-1 Credit
PE or Athletics	
Electives	- 5 Credits
T-O-T-A-L-S	-22 Total Credits

ENDORSEMENTS :

All students will declare an endorsement for graduation. In addition to completing the foundational plan above, the student would need to complete the courses listed under each endorsement. Clyde CISD will offer endorsements in each area approved by the State of Texas. Students can pursue STEM, Business and Industry, Arts and Humanities, Public Service or a Multi-Disciplinary Studies Endorsement.

Each Endorsement Plan will bring a student's total credits required for graduation to 26.

STEM -

- 1 additional Math or 1 CTE Math
- 1 additional Science or 1 CTE Science
- 2 Additional Elective courses chosen from an approved list of courses for the STEM endorsement

Business and Industry -

- 1 additional Math or 1 CTE Math
- 1 additional Science or 1 CTE Science
- 2 Additional Elective courses chosen from an approved list of courses for the Business and Industry endorsement

Arts and Humanities -

- 1 additional Math or 1 CTE Math
- 1 additional Science or 1 CTE Science
- 2 Additional Elective courses chosen from an approved list of courses for the Arts and Humanities endorsement

Public Service -

- 1 additional Math or 1 CTE Math
- 1 additional Science or 1 CTE Science

2 Additional Elective courses chosen from an approved list of courses for the Public Service endorsement

Multidisciplinary Studies -

1 additional Math or 1 CTE Math

1 additional Science or 1 CTE Science

2 Additional Elective courses chosen from an approved list of courses for the Multidisciplinary endorsement

Distinguished Level of Achievement

A student may earn a distinguished level of achievement by successfully completing the curriculum requirements for the Foundation and at least one endorsement, including four credits in science and four credits in mathematics to include Algebra II. Distinguished Level of Achievement is required for top 10% automatic admission into a state university.

Performance Acknowledgments

A student can earn a performance acknowledgment based upon performance:

- In Dual Credit Courses
 - At least 12 hours of college academic courses, including those taken for dual credit as part of the Texas core curriculum, and advanced technical credit course, including locally articulated courses, with a grade of the equivalent of 3.0 or higher on a scale of 4.0 or an associate degree while in high school
- Performance on an IB/AP Exam
 - A score of 3 or above on a College Board advanced placement exam
 - A score of 4 or above on an International Baccalaureate exam
- Performance on the PSAT, the ACT-PLAN, the SAT or the ACT
 - Achieving the college readiness benchmark score on at least two of the four subject tests on the ACT-PLAN exam **OR**
 - Earning a combined critical reading and math score of at least 1250 on SAT **OR**
 - Earning a composite score on the ACT exam of 28 (excluding the writing sub score) **OR**
 - Earning a score on the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT) that qualifies the student for recognition as a commended scholar or higher by the College Board and National Merit Scholarship Corporation, as part of the National Hispanic Recognition Program (NHRP) of the College Board or as part of the National Achievement Scholarship Program of the National Merit Scholarship Corporation.
- Earning a nationally or international recognized business or industry certification
 - Performance on an examination or series of exams sufficient to obtain a nationally or internationally recognized business or industry certification or
 - Performance on an examination sufficient to obtain a government-required credential to practice a profession
- In Bilingualism and biliteracy
 - Completing all English language arts requirements and maintaining a minimum grade point average (GPA) of the equivalent of 80 on a scale of 100 **AND 1 of the following:**

- Completion of a minimum of three credits in the same language in a LOTE (language other than English) with a minimum GPA of the equivalent of 80 on a scale of 100 **OR**
- Demonstrated proficiency in the Texas Essential Knowledge and Skills for Level IV or higher in a LOTE with a minimum GPA of the equivalent of 80 on a scale of 100 **OR**
- Completion of at least three credits in foundation subject area courses in a LOTE with a minimum GPA of 80 on a scale of 100 **OR**
- Demonstrated proficiency in or one more LOTEs through one of the following:
 - Score of 3 or higher on a College Board AP exam for a language other than English **OR**
 - Score of 4 or higher on an IB exam for a higher-level languages other than English course **OR**
 - Performance on a national assessment of language proficiency in a language other than English of at least Intermediate High or its equivalent

In addition to meeting the above requirements to earn a performance acknowledgement in bilingualism and biliteracy, an English language learner **must also have:**

- Participated in and met the exit criteria for a bilingual or English as a second language (ESL) program; **AND**
- Scored at the Advanced High level on the Texas English Language Proficiency Assessment System (TELPAS)

REQUIRED MASTERY OF State of Texas Assessment of Academic Readiness (STAAR) End of Course Exams

Students shall be required to demonstrate mastery on the following EOC Exams

Algebra 1
 Biology
 US History
 English I
 English II

PARENTS! PLEASE NOTE!

Selection of an endorsement plan for graduation and the monitoring of course choices are the responsibility of the student and parent. The school counselor must have a copy of the plan on file and it must be reviewed annually.

OUTSTANDING ACADEMIC ACHIEVEMENT WILL BE RECOGNIZED AS FOLLOWS:

1. To be designated as an honor graduate, a student must graduate with the Foundation + Endorsement credits or complete the Distinguished Level of Achievement credits and have a four-year average of 90 or above.
2. The valedictorian will be the student with the highest grade point average.
3. The salutatorian will be the student with the second highest grade point average.
4. Students eligible for valedictorian and salutatorian must be enrolled for the last four semesters in Clyde Consolidated Independent School District.

PROCEDURES FOR DETERMINING RANK IN CLASS

1. The final grade point average of graduating seniors is computed by averaging the semester grades beginning with grade nine and ending with the fifth six weeks of grade twelve.
2. Courses that will not be averaged into the eight-semester average will be: Physical Education or Physical Education Equivalent, Band, Choir, Yearbook, and courses that receive local credit only.
3. Grades in all other courses, including summer school, correspondence courses, advanced placement examinations, college courses for high school credit, and credit by examination are counted in the grade average.
4. In computing grade average, failing as well as passing grades are included.
5. In determining final rank in class, all graduating seniors who have earned twenty-two or more credits are included except foreign exchange students. Honor graduates with an average of 90 or above will be ranked
first. All other students will be ranked according to their numerical average.

CREDIT BY EXAM

IF A STUDENT HAS TAKEN THE COURSE

A student who has received prior instruction in a course or subject – but did not receive credit for it – may, in circumstances determined by the teacher and counselor or principal, be permitted to earn credit by passing an exam on the essential knowledge and skills defined for the course or subject. To receive credit, a student must score at least 70 on the exam.

In other instances, the District administration will determine whether any opportunity for credit by exam will be offered.

The attendance review committee may offer a student with excessive absences an opportunity to receive credit for a course by passing an exam. A student may not use this exam, however, to regain eligibility to participate in extra-curricular activities.

IF A STUDENT HAS NOT TAKEN THE COURSE

A student will be permitted to take an exam to earn credit for an academic course for which the student has no prior instruction. The dates on which exams are scheduled during the 2014-15 school year include:

Oct
January
April
June

The passing score required to earn credit on an exam is 80.

If the student plans to take an exam, the student (or parent) must register with the principal no later than 30 days prior to the scheduled testing date. The District will not honor a request by a parent to administer a test purchased by the parent from a State Board-approved university.

AN EDUCATIONAL PLAN FOR:

STEM Endorsement

Clyde High School Courses that meet the STEM Requirement

8th Grade

Pre AP Algebra 1

9th Grade

English 1 or Pre AP English 1
Pre AP Geometry
Pre AP Biology
World History
PE/Athletics
Foreign Language
Teen Leadership
Elective - Business Information Management I

Technology Courses:

Business Info. Mngt
BIM II
Digital Media
Robotics
Web Design
Digital Technology
Game Design
Mobile App Develop

10th Grade

English II OR Pre AP English II
Pre AP Algebra II
Pre AP/ AP Chemistry
US History
Foreign Language
Elective – Fine Art
Elective – PE/Athletic
Elective – Additional Technology Course

11th Grade

English III or AP English III
Pre AP Pre-Calculus
Physics
World Geography or Elective
Elective – Additional Technology Course
Elective – Additional Technology Course
Elective – PE/Athletics

12th Grade

English IV or AP English IV or Dual Credit English IV
AP Calculus or Dual Credit Math
Dual Credit Anatomy and Physiology or Dual Credit Biology
Government/Economics or Dual Credit Government/Economics
Elective
Elective
Elective

Business and Industry Endorsement

Clyde High School Courses that meet the Business and Industry Endorsement

8th Grade

Pre AP Algebra 1

9th Grade

English 1 or Pre AP English 1
Algebra I or Pre AP Geometry
IPC or Pre AP Biology
World History
PE/Athletics
Foreign Language
Teen Leadership
Elective

Technology Courses:

Business Info. Mngt
BIM II
Digital Media
Robotics
Web Design
Digital Technology
Game Design

10th Grade

English II OR Pre AP English II
Geometry or Pre AP Algebra II
Biology or Pre AP/ AP Chemistry
US History
Foreign Language
Elective – Fine Art
Elective – PE/Athletic
Elective

Agriculture Courses:

Principles of Agriculture
Ag Power Systems
Horticulture
Ag Mech and Metal Tech
Livestock Prod/Small Animal
Wildlife and Range
Small Animal Mngmt
Practicum in Ag/ DC Welding
Adv. Animal Science

11th Grade

English III or AP English III
Math Model with Application or Alg IIR
Pre AP Pre-Calculus
Chemistry or Physics Or Adv. Animal Science
World Geography or Elective
Elective
Elective –
Elective – PE/Athletics

Culinary Courses

Intro to Hospitality and Culinary
Culinary Arts
Practicum in Culinary Arts 1
Practicum in Culinary Arts 2

12th Grade

English IV or AP English IV or Dual Credit English IV
AP Calculus or Dual Credit Math
Physics or Dual Credit Anatomy and Physiology or Dual Credit Biology
Government/Economics or Dual Credit Government/Economics
Elective
Elective
Elective

Arts and Humanities

Clyde High School Courses that meet the Arts and Humanities Endorsement

8th Grade

Pre AP Algebra 1

9th Grade

English 1 or Pre AP English 1
Algebra I or Pre AP Geometry
IPC or Pre AP Biology
World History
PE/Athletics
Foreign Language
Teen Leadership
Band/Art/Choir/Theatre

10th Grade

English II OR Pre AP English II
Geometry or Pre AP Algebra II
Biology or Pre AP/ AP Chemistry
US History
Foreign Language
Elective – Fine Art
Elective – PE/Athletic
Elective – Band/Art/Choir/Theatre

11th Grade

English III or AP English III
Math Model with Application or Alg IIr
Pre AP Pre-Calculus
Chemistry or Physics Or Adv. Animal Science
World Geography or Elective
Elective
Elective – Band/Art/Choir/Theatre
Elective – PE/Athletics

12th Grade

English IV or AP English IV or Dual Credit English IV
AP Calculus or Dual Credit Math
Physics or Dual Credit Anatomy and Physiology or Dual Credit Biology
Government/Economics or Dual Credit Government/Economics
Elective –Band/Art/Choir/Theatre
Elective

Public Service

Clyde High School Courses that meet the Public Service Endorsement

8th Grade

Pre AP Algebra 1

9th Grade

Health Science

English 1 or Pre AP English 1
Algebra I or Pre AP Geometry
IPC or Pre AP Biology
World History
PE/Athletics
Foreign Language
Teen Leadership
Elective

Med Terms
Health Science Technology
Practicum in HST 1 (CNA)
Practicum in HST II (Pharm Tech)

10th Grade

English II OR Pre AP English II
Geometry or Pre AP Algebra II
Biology or Pre AP/ AP Chemistry
US History
Foreign Language
Elective – Fine Art
Elective – PE/Athletic
Elective

Law Enforcement
Princ of Law
Law Enforcement

11th Grade

English III or AP English III
Math Model with Application or Alg IIR
Pre AP Pre-Calculus
Chemistry or Physics Or Adv. Animal Science
World Geography or Elective
Elective
Elective – Band/Art/Choir/Theatre
Elective – PE/Athletics

12th Grade

English IV or AP English IV or Dual Credit English IV
AP Calculus or Dual Credit Math
Physics or Dual Credit Anatomy and Physiology or Dual Credit Biology
Government/Economics or Dual Credit Government/Economics
Elective –Band/Art/Choir/Theatre
Elective

MULTIDISCIPLINARY ENDORSEMENT

A student who does not declare one of the above endorsements, but completes courses that could fall into the categories above will be awarded a multidisciplinary endorsement provided the student still completes 4 English, 4 math, 4 science, and 4 History courses and other requirements for a diploma with a minimum of 26 credits for graduation.

ENGLISH LANGUAGE ARTS

ENGLISH I

Grade Level(s) Eligible To Enroll In Class: 9 - 12

Prerequisite: None

Credit: 1

Course Number: Clyde CISD TEA

1102 03220100

Students enrolled in English I continue to increase and refine their communication skills. High school students are expected to plan, draft, and complete written compositions on a regular basis. Students edit their papers for clarity, advanced vocabulary, and the correct use of written English and produce final, error-free drafts. In English I, students practice all forms of writing. An emphasis is placed on organizing logical arguments with clearly expressed and well-supported ideas. Students write to persuade, to report, and to describe. English I students read selected stories, dramas, novels, and poetry from world literature. Students learn literary forms and terms associated with selections being read. Students interpret the possible influences of the historical context on a literary work. Students may use a variety of mediums such as art, video, computer graphics, and music to express their understanding of works read.

PRE-AP ENGLISH I

Grade Level (s) Eligible To Enroll In Class: 9 - 12

Prerequisite: Summer Reading Required

Credit: 1

Course Number: Clyde CISD TEA

1102 03220100

This course is designed to prepare students with the skill areas needed to be successful in an Advanced Placement course during their junior and/or senior years. Only the most serious students should sign up for this course. It will include an increasingly rigorous study of literature and will incorporate analytical skills in composition. Students will study and analyze works from various genres of literature selected from the English I textbook, but this material will be supplemented with novels and essays from other sources. A good amount of reading outside of class will be required, and a research paper of some type will be assigned. AP topics, concepts and assessment methods will be introduced in this course. Advanced grammar and composition skills will be incorporated into the study of writing, focusing on how writers write and how students can improve their own writing.

ENGLISH II

Grade Level(s) Eligible To Enroll In Class: 10, 11, 12

Prerequisite: English I

Credit: 1

Course Number: Clyde CISD TEA

2102 03220200

One area of emphasis will be literature from many genres. Along with the literature will be a study of composition. The importance of organization, unity, and detail as well as correct usage will be stressed. Other content will include a thorough study of grammatical concepts, usage, capitalization, punctuation, and spelling. Library skills will be presented and a research paper written. This course also includes fundamental skills focusing on EOC preparation.

PRE-AP ENGLISH II

Grade Level (s) Eligible To Enroll In Class: 10, 11, 12

Prerequisite: Pre AP English I and Summer Reading Required

Credit: 1
Course Number: Clyde CISD TEA
2102 03220200

This course will emphasize the same concepts introduced in Pre-AP English I as discussed above, using literature and outside materials appropriate to students in the sophomore year of study who plan to take an Advanced Placement course during their junior and/or senior years. The traditional EOC preparation taught in English II will not be emphasized in this class, as students will be expected to have already mastered those skills; however, they will be required to take the EOC test according to state law.

ENGLISH III

Grade Level(s) Eligible To Enroll In Class: 11 - 12
Prerequisite: English I, English II
Credit: 1
Course Number: Clyde CISD TEA
3102 03220300

This course will include a general overview of American literature from its beginnings to the present day. Included will be a study of composition focusing on organization, unity, and detail. The study of grammar will be incorporated into the curriculum as needed. Vocabulary and critical reading exercises designed to prepare students for the upcoming college board examinations will also be a part of this course. A research paper will be written, and some novel studies will supplement the readings from the textbook.

AP ENGLISH III – LANGUAGE AND COMPOSITION

Grade Level (s) Eligible To Enroll In Class: 11 - 12
Prerequisite: Pre AP English I, Pre AP English II, and Summer Reading Required
Credit: 1
Course Number: Clyde CISD TEA
3102 A3220100

This course will involve an intense study of a variety of texts and a variety of writing tasks in order to prepare students for an AP Examination in the spring. The curriculum is designed to help students develop their writing skills and awareness of style and rhetoric through a study of complex prose from various periods. Although some works from the typical English III American Literature curriculum will be studied, most of the curriculum will involve the analysis of expository essays and non-fiction prose for rhetorical style and language development. Students will be expected to write compositions that are largely expository, analytical and argumentative. Research will also be incorporated into the writing curriculum. Assignments will include AP-type exercises such as timed writings and multiple-choice practice tests. Much outside reading will be required.

ENGLISH IV

Grade Level(s) Eligible To Enroll In Class: 12
Prerequisite: English III
Credit: 1/2 - 1
Course Number: Clyde CISD TEA
4102 03220400

This course will include a general survey of British literature designed to give college-bound students a background in the history and culture of England. The course will also include an integrated study of reading, grammar, usage, mechanics, and composition skills within the literature units, and ACT/SAT vocabulary. Students also complete a comprehensive study of vocabulary encountered in the literature units, newspapers, magazines, and books. Students will research a topic and write a paper about their findings.

AP ENGLISH IV – LITERATURE

Grade Level(s) Eligible To Enroll In Class: 12

Prerequisite: AP English III

Credit: 1

Course Number: Clyde CISD TEA

4112 03220400

This course will involve an intense study of a variety of texts and a variety of writing tasks in order to prepare students for an AP Examination in the spring. The curriculum is designed to help students develop their writing skills and awareness of style and rhetoric through a study of complex prose from various periods. Although some works from the typical English III American Literature curriculum will be studied, most of the curriculum will involve the analysis of expository essays and non-fiction prose for rhetorical style and language development. Students will be expected to write compositions that are largely expository, analytical and argumentative. Research will also be incorporated into the writing curriculum. Assignments will include AP-type exercises such as timed writings and multiple-choice practice tests. Much outside reading will be required.

YEARBOOK I, II, III

Grade Level(s) Eligible To Enroll In Class: 10 - 12

Prerequisite: Approval of yearbook/magazine adviser

Credit: 1 (local credit)

Course Number: Clyde CISD TEA

2104 03230200

3104 03230300

4104 03230400

Students enrolled in Advanced Journalism: Yearbook I, II, III/Newspaper I, II, III/Literary Magazine communicate in a variety of forms for a variety of audiences and purposes. High school students are expected to plan, draft, and complete written and/or visual communications on a regular basis, carefully examining their copy for clarity, engaging language, and the correct use of the conventions and mechanics of written English. In Advanced Journalism: Yearbook I, II, III/Newspaper I, II, III/Literary Magazine, students are expected to become analytical consumers of media and technology to enhance their communications skills. In addition, students will learn journalistic ethics and standards. Writing, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, write, and produce effective communications. Students enrolled in Advanced Journalism: Yearbook I, II, III/Newspaper I, II, III/Literary Magazine will refine and enhance their journalistic skills, research self-selected topics, and plan, organize, and prepare a project(s). For high school students whose first language is not English, the students' native language serves as a foundation for English language acquisition and language learning.

VISUAL MEDIA ANALYSIS AND PRODUCTION

Grade Level(s) Eligible To Enroll In Class: 10 - 12

Prerequisite:

Credit: ½-1 credit

Course Number: Clyde CISD TEA

03221700

Students enrolled in Visual Media Analysis and Production will interpret various media forms for a variety of purposes. In addition, students will critique and analyze the significance of visual representations and

learn to produce media messages that communicate with others.

MATH

ALGEBRA I

Grade Level(s) Eligible To Enroll In Class: 9 - 12

Prerequisite: None.

Credit: 1

Course Number: Clyde CISD TEA
1202 03100500

This course is the foundation for concepts in high school mathematics. The basic understandings of number, operation, and quantitative reasoning; patterns, relationships, and algebraic thinking; geometry; measurement; and probability and statistics are essential foundations for all work in high school mathematics. Students will use algebraic thinking and symbolic reasoning to study relationships among quantities. Students use functions to represent and model problem situations and to analyze and interpret relationships. Students use a variety of tools, and technology, including, but not limited to, powerful and accessible hand-held calculators and computers with graphing capabilities and model mathematical situations to solve meaningful problems.

This course is the first math course for most high school students. It is intended for freshmen.

GEOMETRY

Grade level(s) Eligible To Enroll In Class: 9-12

Prerequisite: Algebra I

Credit: 1

Course Number: Clyde CISD TEA
03100707 1205

Spatial reasoning plays a critical role in geometry. Shapes and figures provide powerful ways to represent mathematical situations and to express generalizations about space and spatial relationships. Students use geometric thinking to understand mathematical concepts and the relationships among them. Students study properties and relationships having to do with size, shape, location, direction, and orientation of these figures. Geometry can be used to model and represent many mathematical and real-world situations. Techniques for working with spatial figures and their properties are essential in understanding underlying relationships. Students use a variety of representations (concrete, pictorial, algebraic, and coordinate), tools, and technology, including, but not limited to, powerful and accessible hand-held calculators and computers with graphing capabilities to solve meaningful problems by representing figures, transforming figures, analyzing relationships, and proving things about them.

This course is the second math course for most high school students. It is intended for sophomores. Algebra I is a prerequisite.

PRE AP GEOMETRY

Grade level(s) Eligible To Enroll In Class: 9-12

Prerequisite: Algebra I

Credit: I

Course Number: Clyde CISD TEA
03100700

Spatial reasoning plays a critical role in geometry. Shapes and figures provide powerful ways to represent mathematical situations and to express generalizations about space and spatial relationships. Students use geometric thinking to understand mathematical concepts and the relationships among them. Students study

properties and relationships having to do with size, shape, location, direction, and orientation of these figures. Geometry can be used to model and represent many mathematical and real-world situations. Techniques for working with spatial figures and their properties are essential in understanding underlying relationships. Students use a variety of representations (concrete, pictorial, algebraic, and coordinate), tools, and technology, including, but not limited to, powerful and accessible hand-held calculators and computers with graphing capabilities to solve meaningful problems by representing figures, transforming figures, analyzing relationships, and proving things about them.

This course is the first High School math course for students who take Algebra I in the 8th grade. It is intended for freshmen or sophomores who have completed Algebra I.

MATHEMATICAL MODELS WITH APPLICATION

Grade Level(s) Eligible To Enroll In Class: 11 - 12

Prerequisite: Algebra I, Geometry

Credit: 1

Course Number: Clyde CISD TEA
3204 03102400

Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, to model information, and to solve problems from various disciplines. Students use mathematical methods to model and solve real-life applied problems involving money, data, chance, patterns, music, design, and science. Students use mathematical models from algebra, geometry, probability, and statistics and connections, among these to solve problems from a wide variety of advanced applications in both mathematical and non-mathematical situations. Students use a variety of representations (concrete, numerical, algorithmic, and graphical), tools, and technology to link modeling techniques and purely mathematical concepts and to solve applied problems.

This course provides an introduction to Algebra II for students to earn a third math credit. Students need to already have earned two math credits. This course is intended for juniors.

ALGEBRA II

Grade Level(s) Eligible To Enroll In Class: 11 - 12

Prerequisite: Algebra I, Geometry

Credit: 1

Course Number: Clyde CISD TEA
3202 03100600

In this course, students will study algebraic concepts and the relationships among them to better understand the structure of algebra. Students will study functions, equations, and their relationship as means for analyzing the understanding a broad variety of relationships and as a useful tool for expressing generalizations. Equations and functions are algebraic tools that can be used to represent geometric curves and figures. Students use the connections between algebra and geometry to solve problems. Techniques for working with functions and equations are essential in understanding underlying relationships. Students use a variety of representations, tools, and technology, including, but not limited to, powerful and accessible hand-held calculators and computers with graphing capabilities and model mathematical situations to solve meaningful problems. Students use problem-solving, computation in problem-solving contexts, connections within and outside mathematics, and reasoning, as well as multiple representations, applications, and modeling.

This course is the third math class for most high school students. It is intended for juniors.

PRE AP ALGEBRA II

Grade Level(s) Eligible To Enroll In Class: 10 - 12

Prerequisite: Pre AP Algebra I and Pre AP Geometry

Credit: 1

Course Number: Clyde CISD TEA
3203 03100600

In this course, students will study algebraic concepts and the relationships among them to better understand the structure of algebra. Students will study functions, equations, and their relationship as means for analyzing the understanding a broad variety of relationships and as a useful tool for expressing generalizations. Equations and functions are algebraic tools that can be used to represent geometric curves and figures. Students use the connections between algebra and geometry to solve problems. Techniques for working with functions and equations are essential in understanding underlying relationships. Students use a variety of representations, tools, and technology, including, but not limited to, powerful and accessible hand-held calculators and computers with graphing capabilities and model mathematical situations to solve meaningful problems. Students use problem-solving, computation in problem-solving contexts, connections within and outside mathematics, and reasoning, as well as multiple representations, applications, and modeling.

This is the second math course at the High School for students on an advanced math track. It is intended for sophomores.

PRE-AP PRECALCULUS

Grade Level(s) Eligible To Enroll In Class: 11 - 12

Prerequisite: Pre AP Algebra II and Pre AP Geometry

Credit: 1

Course Number: Clyde CISD TEA
3201 03101100

Students use symbolic reasoning and analytical methods to represent mathematical situations, to express generalizations, and to study mathematical concepts and the relationships among them. Students use functions, equations, and limits as useful tools for expressing generalizations and as means for analyzing and understanding a broad variety of mathematical relationships. Students also use functions as well as symbolic reasoning to represent and connect ideas in geometry, probability, statistics, trigonometry, and calculus and to model physical situations. Students use a variety of representations, (concrete, numerical, algorithmic, and graphical), tools, and technology to model functions and equations and solve real-life problems. As students do mathematics, they continually use problem solving, language and communication, connections within and outside mathematics, and reasoning. Students also use multiple representations, applications and modeling, justification and proof, and computation in problem-solving contexts.

This course is the fourth math class for college-bound students. It is intended for juniors or seniors. Successful completion of Pre-AP Algebra II or Algebra II (an 80 or better) is a pre-requisite. Please see re-AP Program to get a better understanding of what is involved in Pre-AP courses.

AP-CALCULUS AB

Grade Level(s) Eligible To Enroll In Class: 12

Prerequisite: Pre-Calculus

Credit: 1

Course Number: Clyde CISD TEA

This course is primarily concerned with developing students' understanding of the concepts of calculus and providing experience with its methods and applications. Technology is used regularly by students to help reinforce the relationships among functions and assist in interpreting results. Students will work with functions represented in a variety of ways. Students will understand the meaning of the derivative in terms of a rate of change and should be able to use derivatives to solve problems. Students will understand the relationship between the derivative and the definite integral. Students will be able to model a written description of a physical situation with a function, a differential equation, or an integral. Students will be able to determine the reasonableness of solutions, including sign, size, relative accuracy, and units of measurement.

This course is intended for seniors. Successful completion of Pre-AP Pre-Calculus (an 80 or better) is a pre-requisite. Please see AP Program to get a better understanding of what is involved in an AP course.

MATH

PRE-AP AND AP PROGRAMS

PRE-AP PROGRAM

Courses offered:

- Pre-AP Geometry
- Pre-AP Algebra II
- Pre-AP Pre-Calculus

Before studying AP Calculus, all students should complete four years (the first year is Algebra taken in eighth grade) of secondary mathematics designed for college-bound students who excel at mathematics and need the challenge of an advanced and fast-paced curriculum. Students will take courses in which they study algebra, geometry, trigonometry, analytic geometry, and elementary functions. The Pre-AP Program is designed to prepare students for the AP Calculus course offered to qualifying (see prerequisites for AP Calculus course) senior students.

AP PROGRAM

Courses offered

AP Calculus – AB

The Advanced Placement (AP) Program is for highly motivated students in secondary schools. Its exceptional reputation is made possible by the close cooperation of secondary schools, colleges, and the College Board. Students report that they enjoy the challenge of the Program, high school faculty find that AP courses greatly enhance students' confidence and academic interest, and college faculty find that these students are far better prepared for serious academic work.

AP courses are recognized by nearly 2,900 universities throughout the world, which grant credit, advanced placement, or both, to students who have performed satisfactorily on AP Exams.

OTHER LANGUAGES

SPANISH I

Grade Level(s) Eligible To Enroll In Class: 9 - 12

Prerequisite: None

Credit: 1

Course Number: Clyde CISD TEA
1601 03440100

At the high school level, students are awarded one unit of credit per level for successful completion of the course.

Students of Spanish I will incorporate communication skills such as listening, speaking, reading, writing, viewing, and showing. Students develop these communication skills by using knowledge of the language, including grammar and culture; by communicating with each other; and by listening, viewing, and responding to recorded native speakers on disk and video. The novice language learner, when dealing with familiar topics should be able to do the following: understand short utterances when listening and respond orally with learned material; produce learned words, phrases, and sentences when speaking and writing; detect main idea in familiar material when listening and reading; make lists, copy accurately, and write from dictation; recognize the importance in communication to know about the culture; and recognize the components of language, including grammar. Since language is used to teach language, students who enroll in Spanish should have a good understanding of English.

SPANISH II

Grade Level(s) Eligible To Enroll In Class: 10 - 12

Prerequisite: Spanish I

Credit: 1

Course Number: Clyde CISD TEA
2601 03440200

Spanish II is a continuance of Spanish I. Students will learn most of the verb tenses in the Spanish language and will extend the knowledge and skills learned in Spanish I.

SPANISH III

Grade Level(s) Eligible to Enroll In Class: 10-12

Prerequisite: Spanish I & Spanish II

Credit: 1

Course Number: Clyde CISD TEA
3601 03440300

Students will incorporate communication skills such as listening, speaking, reading, writing, viewing and showing. Students develop these communication skills by using knowledge of the language, including grammar, and culture, communication learning strategies, technology, and content from other subject areas to socialize, to acquire, and provide information to express feelings and opinions. The intermediate language learner, when dealing with everyday topics should participate in simple face-to-face communication; create statements and questions to communicate independently when speaking and writing; understand main ideas and some details of material on familiar topics when listening and reading; understand simple statements and questions when listening and reading; meet limited practical and social writing needs; use knowledge of the culture in the development of communication skills; use knowledge of

the components of language, including grammar, to increase accuracy of expression; and cope successfully in straightforward social and survival situations. The skills of listening, speaking, and writing are used to reinforce reading. Students should reach intermediate proficiency in reading by the end of Level III.

SCIENCE

INTEGRATED PHYSICS AND CHEMISTRY

Grade Level(s) Eligible To Enroll In Class: 9 - 12

Prerequisite: None

Credit: 1

Course Number: Clyde CISD TEA
1302 03060200

Integrated Physics and Chemistry is a course that introduces the students to the scientific method and problem solving investigations. Basic concepts in chemistry and physics are examined. These include: motion, forces, energy, atomic properties, electromagnetism and waves.

Students will perform laboratory investigations, collect and analyze data. A math background is recommended. The course is oriented toward those not considering a future career in science.

BIOLOGY

Grade Level(s) Eligible To Enroll In Class: 9 - 12

Prerequisite: None

Credit: 1

Course Number: Clyde CISD TEA
1304 03010200

Students conduct field and laboratory investigations, use scientific methods, and make decisions using critical-thinking and scientific problem solving. Study topics include: structure and functions of cells and viruses; growth and development of organisms; cells, tissues, and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; ecosystems; plants, animals and the environment.

This course cannot be entered at midterm.

PRE-AP BIOLOGY

Grade Level(s) Eligible To Enroll In Class: 9

Prerequisite: None

Credit: 1

Course Number: Clyde CISD TEA
1305 03010200

The above course content for biology applies. In addition, this course requires extensive out of class preparation and reading. This course is recommended for students who are interested in Biology and display aptitude, creativity, motivation, and maturity. Students will be expected to enroll in Chemistry or Pre-AP Chemistry following this course.

CHEMISTRY

Grade Level(s) Eligible To Enroll In Class: 10 - 12

Prerequisite: 1 credit of Science & Algebra I

Credit: 1

Course Number: Clyde CISD TEA
2301 03020100

This is an introductory course designed to emphasize development of laboratory skills, formula and equation writing, and equation balancing. Quantitative aspects of chemical reactions will be investigated along with electronic structure and periodic properties of elements, chemical bonding, gas laws, and acid base theory.

This course cannot be entered at midterm.

PRE-AP CHEMISTRY

Grade Level(s) Eligible To Enroll In Class: 10

Prerequisite: Pre-AP Biology

Credit: 1

Course Number: Clyde CISD TEA
03040000

The above course content for chemistry applies. In addition, this course requires extensive out of class preparation and reading. This course is recommended for students who are interested in Chemistry and display aptitude, creativity, motivation, and maturity.

PHYSICS

Grade Level(s) Eligible To Enroll In Class: 11 - 12

Prerequisite: 2 Credits in Science, Algebra II or
Algebra I and Geometry

Credit: 1

Course Number: Clyde CISD TEA
3302 03030100

This is an introductory course for college bound students intending to major in science, engineering, medicine, architecture, or mathematics. The curriculum includes vector analysis; linear, curvilinear, rotary and periodic motion; work; power; and energy during the first semester. The second semester is devoted to heat; thermodynamics; waves; light; sound; electricity and magnetism.

This course cannot be entered at midterm.

ENVIRONMENTAL SYSTEMS

Grade Level(s) Eligible to Enroll In Class: 12

Prerequisite: 3 Credits in Science, Algebra or Geometry

Credit: 1 Unit

Course Number: Clyde CISD TEA
3307 03020000

In the Environmental Systems course students study a variety of topics that include: biotic and abiotic factors in habitats; ecosystems and biomes; interrelationships among resources and an environmental system; sources and flow of energy through an environmental system; relationship between carrying capacity and changes in populations and ecosystems; and changes in environments.

ANATOMY AND PHYSIOLOGY OF HUMAN SYSTEMS

Grade Level(s) Eligible to Enroll In Class: 12

Prerequisite: 3 Credits in Science, Algebra or Geometry

Credit: 1 Unit

Course Number: Clyde CISD TEA
3306 12112130

In the Anatomy and Physiology of Human Systems course students conduct in-depth investigations of anatomy and physiology of human systems including circulatory, nervous, endocrine, and respiratory systems. They learn environmental factors that affect the body and how the body maintains homeostasis.

SOCIAL STUDIES

WORLD HISTORY—required for graduation

Grade Level(s) Eligible To Enroll In Class: 9-12

Prerequisite: None

Credit: 1

Course Number: Clyde CISD TEA
3402 03340400

World History Studies offers students an overview of the entire history of humankind. The major emphasis is on the study of significant people, events, and issues from the earliest times to the present. Traditional historical points of reference in world history are identified as students analyze important events and issues in western civilization as well as in civilizations in other parts of the world. Students evaluate the causes and effects of political and economic imperialism and of major political revolutions since the 17th century. Students examine the impact of geographic factors on major historic events and identify the historic origins of contemporary economic systems. Students trace the historical development of important legal and political concepts. Students examine the history and impact of major religious and philosophical traditions. Students analyze the connections between major developments in science and technology and the growth of industrial economies. The content enable students to understand the importance of patriotism, function in a free enterprise society, and appreciate the basic democratic values of our state and nation.

WORLD GEOGRAPHY

Grade Level(s) Eligible To Enroll In Class: 9-12

Prerequisite: None

Credit: 1

Course Number: Clyde CISD TEA
3401 03320100

In World Geography Studies, students examine people, places, and environments at local, regional, national, and international scales. Students describe the influence of geography on events of the past and present. A significant portion of the course centers around the characteristics of major land forms, climates, and ecosystems and their interrelationships; the political, economic, and social processes that shape cultural patterns of regions; types and patterns of settlement; the distribution and movement of world population; relationships among people, places, and environments; and the concept of region. Students analyze how location affects economic activities in different economic systems throughout the world. Students identify the processes that influence political divisions of the planet and analyze how different points of view affect the development of public policies. Students compare how components of culture shape the characteristics of regions and analyze the impact of technology and human modifications on the physical environment. The content enables students to understand the importance of patriotism, function in a free enterprise society, and appreciate the basic democratic values of our state and nation.

UNITED STATES HISTORY STUDIES SINCE RECONSTRUCTION

Grade Level(s) Eligible To Enroll In Class: 10-11

Prerequisite: None

Credit: 1

Course Number: Clyde CISD TEA
1401 03340100

In this course, which is the second part of a two-year study of U.S. History that begins in Grade 8, students study the history of the United States since Reconstruction to the present. Historical content focuses on the political, economic, and social events and issues related to industrialization and urbanization, major wars, domestic and foreign policies of the Cold War and post-Cold War eras, and reform movements including civil rights. Students examine the impact of geographic factors on major events and analyze causes and effects of the Great Depression. Students examine the impact of constitutional issues on American society, evaluate the dynamic relationship of the three branches of the federal government, and analyze efforts to expand the democratic process. Students describe the relationship between the arts and the times during which they were created. Students analyze the impact of technological innovations on the American labor movement. The content enables students to understand the importance of patriotism, function in a free enterprise society, and appreciate the basic democratic values of our state and nation.

UNITED STATES GOVERNMENT

Grade Level(s) Eligible To Enroll In Class: 12

Prerequisite: United States History

Credit: 1/2

Course Number: Clyde CISD TEA
4401 03330100

In Government, the focus is on the principles and beliefs upon which the United States was founded and on the structure, functions, and powers of government at the national, state, and local levels. Students learn major political ideas and forms of government in history. A significant focus of the course is on the U. S. Constitution, its underlying principles and ideas, and the form of government it created. Students analyze major concepts of checks and balances, separation of powers, popular sovereignty and individual rights, and compare the U. S. system of government with other political systems. Students identify the role of government in the U. S. free enterprise system and examine the strategic importance of places to the United States. Students analyze the impact of individuals, political parties, interest groups, and the media on the American political system, evaluate the importance of voluntary individual participation in a democratic society, and analyze the rights guaranteed by the U. S. Constitution. Students examine the relationship between governmental policies and the culture of the United States. The content enables students to understand the importance of patriotism, function in a free enterprise society, and appreciate the basic democratic values of our state and nation.

This course is intended for seniors and is required for graduation.

ECONOMICS WITH EMPHASIS ON THE FREE ENTERPRISE SYSTEM AND ITS BENEFITS

Grade Level(s) Eligible To Enroll In Class: 12

Prerequisite: None

Credit: 1/2

Course Number: Clyde CISD TEA
4402 03310300

Economics with Emphasis on the Free Enterprise System and Its Benefits focuses on the basic principles concerning production, consumption, and distribution of goods and services in the United States and a comparison with those in other countries around the world. Students examine the rights and responsibilities of consumers and businesses. Students analyze the interaction of supply, demand, and price and study the role of financial institutions in a free enterprise system. Types of business ownership and market structures are discussed, as are basic concepts of consumer economics. The content enables students to understand the importance of patriotism, function in a free enterprise society, and appreciate the basic democratic values of our state and nation.

This course is intended for seniors and required for graduation.

FINE ARTS

ART I

Grade Level(s) Eligible to Enroll in Class: 9 – 12
Prerequisite: None
Credit: 1

Art I provides the student an opportunity to develop an awareness of and sensitivity to natural and man-made environments through examination of objects, exploration of art elements, and application of art principals. The student will create art works in areas of design, drawing, painting, printmaking, and sculpture. The student will develop an understanding and appreciation of self and others through art culture and heritage. The student will develop aesthetic growth through visual discrimination and judgment.

During the first semester, the student will explore design elements and principals involving two-dimensional projects, while during the second semester he/she will be allowed to develop projects using three-dimensional formats.

This course cannot be entered for the first time at midterm.

ART II, III, IV

Grade Level(s) Eligible to Enroll in Class: 11 – 12
Prerequisite: Art I
Credit: 1

Four basic strands-perception, creative expression/performance, historical and cultural heritage, and critical evaluation-provide broad, unifying structures for organizing and knowledge and skills students are expected to acquire. They express their thoughts and ideas creatively, while challenging their imagination, fostering reflective thinking, and developing disciplined effort and problem-solving skills.

BAND I,II,III,IV

Grade Level(s) Eligible to Enroll in Class: 9 – 12
Prerequisite: 7th and 8th grade band, prior instrumental musical instruction and/or director approval

- Fall Semester:
- A. Musical Perception
 - B. Performance Skills
 - C. Marching and Choreography
 - D. Memorization
 - E. Intracurricular and Cultural Aspects
- Spring Semester:
- A. Musical Perception
 - B. Analytical/Critical listening skills
 - 1. as applied to song form
 - 2. as applied to styles
 - 3. as applied to instruments
 - 4. as a subjective view of artistic value
 - C. Music Performance
 - 1. solo and chamber music
 - 2. full ensemble literature
 - 3. sight-reading

- D. Music Theory
 - 1. as applied to performance on a musical instrument
 - 2. basic notation
 - 3. opportunities for composition
- E. Cultural/Historic aspects of music
- F. Intercurricular aspects of music

General class goals include opportunities for individual musical expression through lessons and performance in chamber music as applied to solo and ensemble contest and all region, area, and state band competitions/auditions. Opportunities for travel experience and college scholarship audition preparation.

CHORAL MUSIC I

Grade Level(s) Eligible to Enroll in Class: 9 – 12
 Prerequisite: Recommendation of Music Teacher
 Credit: 1

Basic fundamentals of singing and sight-reading through the use of standard choral literature are taught in this course.

CHORAL MUSIC II, III, IV

Grade Level(s) Eligible to Enroll in Class: 10 – 12
 Prerequisite: Choral Music I and Director's approval
 Credit: 1 – 3

These courses are open to students with previous vocal training. There is continued vocal training with emphasis on tone production, sight reading, and a variety of choral literature.

THEATRE ARTS I

Grade Level(s) Eligible to Enroll in Class: 9 – 12
 Prerequisite: None
 Credit: ½ - 1

This is an introductory performance course incorporating basic acting techniques, the role of the actor in interpreting dramatic literature, and the historical evolution of performance styles.

THEATRE ARTS II, III, IV

Grade Level(s) Eligible to Enroll in Class: 10 – 12
 Prerequisite: Theatre Arts II: Theatre Arts I
 Theatre Arts III & IV: Theatre Arts I and Teacher Approval
 Credit: ½ - 1 for each course

This course builds on the background established in Theatre Arts I, continuing the study of the cultural contributions of theatre, its plays, and its performance and production styles and techniques. Basic principles of production are studied and applied through performances in various theatrical modes. Each level of Theatre Arts will require a greater degree of understanding and competency in technique and performance.

PHYSICAL EDUCATION

FOUNDATIONS OF PERSONAL FITNESS

Grade Level(s) Eligible to Enroll in Class: 9
Prerequisite: None
Credit: ½

In Physical Education, students acquire the knowledge and skills for movement that provide the foundation for enjoyment, continued social development through physical activity, and access to a physically-active lifestyle. The student exhibits a physically-active lifestyle and understands the relationship between physical activity and health throughout the life span.

Foundations of Personal Fitness represents a new approach in physical education and the concept of personal fitness. The basic purpose of this course is to motivate students to strive for lifetime personal fitness with an emphasis on the health related components of physical fitness. The knowledge and skills taught in this course include teaching students about the process of becoming fit as well as achieving some degree of fitness within the class. The concept of wellness, or striving to reach optimal levels of health, is the cornerstone of this course and is exemplified by one of the course objectives: students designing their own personal fitness program.

TEAM SPORTS

Grade Level(s) Eligible to Enroll in Class: 9
Prerequisite: Foundations of Personal Fitness
Credit: ½

Students enrolled in Team Sports are expected to develop health-related fitness and an appreciation for teamwork and fair play. Like the other High School physical education courses, Team Sports is less concerned with the acquisition of physical fitness during the course than reinforcing the concept of incorporating physical activity into a lifestyle beyond high school.

AEROBIC ACTIVITIES

Grade Level(s) Eligible to Enroll in Class: 10
Prerequisite: Foundations of Personal Fitness
Credit: ½

Students in aerobic activities are exposed to a variety of activities that promote health-related fitness. A major expectation of this course is for the student to design a personal fitness program that uses aerobic activities as a foundation.

INDIVIDUAL SPORTS

Grade Level(s) Eligible to Enroll in Class: 10
Prerequisite: Foundations of Personal Fitness
Credit: ½

Students in Individual Sports are expected to participate in a wide range of individual sports that can be pursued for a lifetime. The continued development of health-related fitness and the selection of individual sport activities that are enjoyable is a major objective of this course.

ATHLETICS-BOYS I, II, III, IV

Grade Level(s) Eligible to Enroll in Class: 9 – 12

Prerequisite:	None	
Credit:	½ - 1	
Course Number:	Clyde	TEA
	Athletics I-1503	03820501
	Athletics II-1504	03820502
	Athletics III-2503	03820503
	Athletics IV-2504	03820504
	Athletics V-3503	9ATHLETC
	Athletics VI-4503	9ATHLETICS

ATHLETICS-GIRLS I, II ,III ,IV

Grade Level(s) Eligible to Enroll in Class: 9 – 12

Prerequisite: None

Credit: ½ - 1

Course Number:	Clyde CISD	TEA
	Athletics I-1506	03820501
	Athletics II-1507	03820502
	Athletics III-2506	03820503
	Athletics IV-2507	03820504
	Athletics V-3506	9ATHLETC
	Athletics VI-4506	9ATHLETC

TEEN LEADERSHIP

Grade Level(s) Eligible To Enroll In Class: 9

Credit: ½-1

N1290012

Teen Leadership is a course in which students develop leadership, professional, and business skills. They learn to develop a healthy self-concept, healthy relationships, and learn to understand the concept of personal responsibility. They learn to develop a healthy self-concept, healthy relationships, and learn to understand the concept of personal responsibility. They will develop an understanding of Emotional Intelligence and the skills it measures, which include self-awareness, self-control, self-motivation, and social skills. Students will develop skills in public speaking and communication and understanding of personal image. They will develop an understanding of the concept of principle-based decision-making and learn to make responsible financial decisions. They will develop and understanding of the effects of peer pressure, will develop skills to counteract those effects, and will develop problem-solving skills. They will develop an understanding of the principles of parenting, enabling them to become better family members and citizens. They will also develop and understanding of the need for vision in goal-setting, personally and professionally.

PROFESSIONAL COMMUNICATION

Grade Level(s) Eligible To Enroll In Class: 9 - 12

Credit: ½

13009900

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research.

**CAREER AND TECHNICAL EDUCATION
TECHNOLOGY COURSES FOR STEM OR BUSINESS AND INDUSTRY**

BUSINESS INFORMATION MANAGEMENT I

Grade Level(s) Eligible To Enroll In Class: 9 - 12

Prerequisite: Keyboarding

Credit: 1

13011400

General Requirements: This course is recommended for students in Grades 9-12. Recommended prerequisite: Touch Data Entry.

Introduction. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word-processing documents, develop a spreadsheet, formulate a data-base, and make electronic presentation using appropriate software.

BUSINESS INFORMATION MANAGEMENT II

Grade Level(s) Eligible to Enroll In Class: 10 - 12

Prerequisite: Business Computer Information Systems I

Credit: 1

13011500

General requirements. This course is recommended for students in Grades 10-12. Prerequisite: Business Information Management I

Introduction. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies, create complex word-processing documents, develop sophisticated spreadsheets using charts and graphs, and make electronic presentation using appropriate multimedia software.

DIGITAL AND INTERACTIVE MEDIA

Grade Level (s) Eligible to Enroll in Class: 10-12

Prerequisite: Proficiency in the knowledge and skills relating to technology applications.

Credit: ½ -1

13027800

General Requirements. This course is recommended for students in Grades 10-12.

Introduction. Though the study of digital and interactive media and its application in information technology, students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students enhance reading, writing, computing, communication, and critical thinking and apply them to the information technology environment.

WEB TECHNOLOGIES

Grade Level(s) Eligible To Enroll In Class: 11 – 12

Prerequisite: Proficiency in the knowledge and skills relating to technology applications.

Credit: 1

13027900

General Requirements. This course is recommended for students in grades 10-12. Prerequisite: a minimum of two high school information technology courses.

Introduction. Through the study of web technology and design, students learn to make informed decisions and apply the decisions to the field of information technology. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students enhance reading, writing, computing, communication, and critical thinking and apply them to the information technology environment.

COMPUTER SCIENCE I

Grade Level(s) Eligible to Enroll in Class: 11-12

Prerequisite: Alg. 1

Credit: 1

03580200

General Requirements. Students shall be awarded one credit for successful complete of this course. The required prerequisite for this course is Algebra 1.

Introduction. Computer Science 1 will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve problems presented throughout the course. Through data analysis, students will identify task requirement, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems.

COMPUTER SCIENCE II

Grade Level(s) Eligible to Enroll in Class: 11-12

Prerequisite: Computer Science I

Credit: 1

03580300

Computer Science II will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of computer science through the study of technology operations, systems, and concepts.

DIGITAL FORENSICS

Grade Level(s) Eligible to Enroll in Class: 11-12

Prerequisite: Proficiency in the knowledge and skills relating to technology application.

Credit: $\frac{1}{2}$
03580360

- a) General Requirements. Students shall be awarded one-half credit for successful completion of this course. The required prerequisite for this course is proficiency in the knowledge and skills relating to technology application.
- b) Introduction. Digital Forensics will foster students' creativity and innovation by presenting opportunities to investigate simulations and case studies of crimes, reconstructing computer security incidents, troubleshooting operational problems, and recovering from accidental system damage. Students will collaborate to develop forensic techniques to assist with computer security incident response. Students will learn methods to identify, collect, examine, and analyze data while preserving the integrity of the information and maintaining a strict chain of custody for data. Students will solve problems as they study the application of science to the law. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of computing and networking systems that transmit or store electronic data.

GAME PROGRAMMING AND DESIGN

Grade Level(s) Eligible to Enroll in Class: 11-12

Prerequisite: The required prerequisite for this course is Algebra I

Credit: $\frac{1}{2}$ -1

03580380

General Requirements. Students shall be awarded one-half to one credit for successful completion of this course. The required prerequisite for this course is Algebra I.

Introduction. Game Programming and Design will foster student creativity and innovation by presenting students with opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve gaming problems. Through data analysis, students will include the identification of task requirements, plan search strategies, and use programming concepts to access, analyze, and evaluate information needed to design games. By acquiring programming knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will create a computer game that is presented to an evaluation panel.

MOBILE APPLICATION DEVELOPMENT

Grade Level(s) Eligible to Enroll in Class: 11-12

Prerequisite: The required prerequisite for this course is Algebra I

Credit: $\frac{1}{2}$ -1

03580390

General requirements. Students shall be awarded one-half to one credit for successful completion of this course. The required prerequisites for this course are proficiency in the knowledge and skills relating to Technology Applications, Grades 6-8, and Algebra I.

Introduction. Mobile Application Development will foster students' creativity and innovation by presenting opportunities to design, implement, and deliver meaningful projects using mobile computing devices. Students will collaborate with one another, their instructor, and various electronic communities to solve problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use software development concepts to access, analyze, and evaluate information needed to program mobile devices. By using software design knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of the principles of mobile application development through the study of development platforms, programming languages, and software design standards.

ROBOTICS PROGRAMMING AND DESIGN

Grade Level(s) Eligible to Enroll in Class: 11-12

Prerequisite: Proficiency in the knowledge and skills relating to technology application.

Credit: ½ -1

03580395

General requirements. Students shall be awarded one-half to one credit for successful completion of this course. The prerequisite for this course is proficiency in the knowledge and skills relating to Technology Applications.

Robotics Programming and Design will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful robotic programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve problems in designing and programming robots. Through data analysis, students will identify task requirements, plan search strategies, and use robotic concepts to access, analyze, and evaluate information needed to solve problems. By using robotic knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of the principles of robotics through the study of physics, robotics, automation, and engineering design concepts.

STATISTICS AND RISK MANAGEMENT CTE MATH CREDIT

Grade Level(s) Eligible to Enroll in Class : 11-12

Prerequisite: The required prerequisite for this course is Algebra I

Credit: 1

13016900

General Requirements. This course is recommended for students in Grades 11-12. This course may meet the requirements for the fourth mathematics credit. Recommended prerequisites: Algebra 1.

Introduction. Students will use a variety of graphical and numerical techniques to analyze patterns and departures from patterns to identify and manage risk that could impact an organization.

Students will use probability as a tool for anticipating and forecasting data within business models to make decisions. Students will determine the appropriateness of methods used to collect data to ensure conclusions are valid.

Business and Industry Course Selections

Agriculture Course

PRINCIPLES OF AGRICULTURE, FOOD, AND NATURAL RESOURCES

Grade Level(s) Eligible to Enroll in Class: 9-12

Prerequisite: Non

Credit: 1

13000200

General requirements. This course is recommended for students in Grades 9-12.

(b) Introduction. To be prepared for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. This course allows students to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for success, students need to have opportunities to learn, reinforce, experience, apply, and transfer their knowledge and skills in a variety of settings.

LIVESTOCK PRODUCTION

Grade Level(s) Eligible to Enroll in Class: 10-12

Prerequisite: Principles of Agriculture, Food and Natural Resources

Credit: $\frac{1}{2}$

13000300

a) General requirements. This course is recommended for students in Grades 10-12.

(b) Introduction. To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge, acquire knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. Animal species to be addressed in this course may include, but are not limited to, beef cattle, dairy cattle, swine, sheep, goats, and poultry.

SMALL ANIMAL MANAGEMENT

Grade Level(s) Eligible to Enroll in Class: 10-12

Prerequisite: Principles of Agriculture, Food and Natural Resources

Credit: $\frac{1}{2}$

13000400

(a) General requirements. This course is recommended for students in Grades 9-12.

(b) To be prepared for careers in the field of animal science, students need to enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills in a variety of settings. Suggested small animals which may be included in the course of study include, but are not limited to, small mammals, amphibians, reptiles, avian, dogs, and cats.

EQUINE SCIENCE

Grade Level(s) Eligible to Enroll in Class: 10-12

Prerequisite: Principles of Agriculture, Food and Natural Resources

Credit: ½
13000500

- (a) General requirements. This course is recommended for students in Grades 10-12.
- (b) Introduction. To be prepared for careers in the field of animal science, students need to enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. Suggested animals which may be included in the course of study include, but are not limited to, horses, donkeys, and mules.

ADVANCED ANIMAL SCIENCE – CTE SCIENCE CREDIT COURSE

Grade Level(s) Eligible to Enroll in Class: 12

Prerequisite: Principles of Agriculture, Food and Natural Resources

Credit: 1

13000700

General requirements. This course is recommended for students in Grade 12. Recommended prerequisite: a minimum of one credit from the courses in the Agriculture, Food, and Natural Resources cluster.

- b) Introduction. Advanced Animal Science. To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences.

WILDLIFE, FISHERIES, AND ECOLOGY MANAGEMENT

Grade Level(s) Eligible to Enroll in Class: 9-12

Prerequisite: Principles of Agriculture, Food and Natural Resources

Credit: 1

13001500

- (a) General requirements. This course is recommended for students in Grades 9-12.
- (b) Introduction. To be prepared for careers in natural resource systems, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to natural resources, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course examines the management of game and non-game wildlife species, fish, and aquacrops and their ecological needs as related to current agricultural practices.

RANGE ECOLOGY AND MANAGEMENT

Grade Level(s) Eligible to Enroll in Class: 9-12

Prerequisite: Principles of Agriculture, Food and Natural Resources

Credit: 1

13001600

- (a) General requirements. This course is recommended for students in Grades 10-12.
- (b) Introduction. To be prepared for careers in environmental and natural resource systems, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to environmental and natural resources, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course is designed to develop students' understanding of rangeland ecosystems and sustainable forage production.

HORTICULTURE SCIENCE

Grade Level(s) Eligible to Enroll in Class: 10-12

Prerequisite: Principles of Agriculture, Food and Natural Resources

Credit: 1

13002000

- (a) General requirements. This course is recommended for students in Grades 10-12.
- (b) Introduction. To be prepared for careers in horticultural systems, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to horticulture and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills in a variety of settings. This course is designed to develop an understanding of common horticultural management practices as they relate to food and ornamental plant production.

AGRICULTURAL MECHANICS AND METAL TECHNOLOGIES

Grade Level(s) Eligible to Enroll in Class : 10-12

Prerequisite: Principles of Agriculture, Food and Natural Resources

Credit: 1

13002200

- (a) General requirements. This course is recommended for students in Grades 10-12. Students may take this course in Grade 9 if they have met the recommended prerequisite of Principles of Agriculture, Food, and Natural Resources.
- (b) Introduction. To be prepared for careers in agricultural power, structural, and technical systems, students need to attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the industry; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills and technologies in a variety of settings. This course is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metal working techniques.

AGRICULTURAL FACILITIES DESIGN AND FABRICATION

Grade Level(s) Eligible to Enroll in Class: 11-12

Prerequisite: Principles of Agriculture, Food and Natural Resources

Credit: 1

13002300

- (a) General requirements. This course is recommended for students in Grades 11-12.
- (b) Introduction. To be prepared for careers in mechanized agriculture and technical systems, students attain knowledge and skills related to agricultural facilities design and fabrication. Students explore career opportunities, entry requirements, and industry expectations. To prepare for success, students reinforce, apply, and transfer their academic knowledge and technical skills in a variety of settings.

AGRICULTURAL POWER SYSTEMS

Grade Level(s) Eligible to Enroll in Class: 10-12

Prerequisite: Principles of Agriculture, Food and Natural Resources

Credit: 1

13002400

- (a) General requirements. This course is recommended for students in Grades 10-12.
- (b) Introduction. To be prepared for careers in agricultural power, structural, and technical systems, students should attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the workplace; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. To prepare for success, students should have opportunities to learn, reinforce, apply, and transfer their knowledge and technical skills in a variety of settings. This course is designed to develop an understanding of power and control systems as related to energy sources, small and large power systems, and agricultural machinery

PRACTICUM IN AGRICULTURE, FOOD, AND NATURAL RESOURCES

Grade Level(s) Eligible to Enroll in Class: 11-12

Prerequisite: Principles of Agriculture, Food and Natural Resources

Credit: 2

13002500

- (a) General requirements. This course is recommended for students in Grades 11-12. The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Agriculture, Food, and Natural Resources cluster. Recommended prerequisite: a minimum of one credit from the courses in the Agriculture, Food, and Natural Resources cluster.
- (b) Introduction. The practicum is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories

Business and Industry

Culinary Courses

PRINCIPLES OF HOSPITALITY AND TOURISM

Grade Level(s) Eligible to Enroll in Class: 9-11

Prerequisite: None

Credit: 1

13022200

- (a) General requirements. This course is recommended for students in Grades 9-11.

(b) Introduction. The hospitality and tourism industry encompasses lodging; travel and tourism; recreation, amusements, attractions, and resorts; and restaurants and food beverage service. The hospitality and tourism industry maintains the largest national employment base in the private sector. Students use knowledge and skills that meet industry standards to function effectively in various positions within this multifaceted industry. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

CULINARY ARTS

Grade Level(s) Eligible to Enroll in Class: 9-11

Prerequisite: Principles of Hospitality and Tourism

Credit: 1

13022600

(a) General requirements. This course is recommended for students in Grades 10-12.

Recommended prerequisite: Restaurant Management, Lifetime Nutrition and Wellness, or Principles of Hospitality and Tourism.

(b) Introduction. Culinary Arts begins with the fundamentals and principles of the art of cooking and the science of baking and includes management and production skills and techniques. Students can pursue a national sanitation certification, a Texas culinary specialist certification, or any other appropriate industry certification. This course may be offered as a laboratory-based or internship course. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

PRACTICUM IN CULINARY ARTS (TWO TO THREE CREDITS)

Grade Level(s) Eligible to Enroll in Class: 11-12

Prerequisite: Culinary Arts

Credit: 2

13022700

(a) General Requirements. This course is recommended for students in Grades 11-12.

Recommended prerequisite: Culinary Arts or Hotel Management.

(b) Introduction. (1) This course is a unique practicum that provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with actual business

and industry career experiences. Practicum in Culinary Arts integrates academic and career and technical education; provides more interdisciplinary instruction; and supports strong partnerships among schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fast-changing workplace.

(2) Students are taught employability skills, which include job-specific skills applicable to their training plan, job interview techniques, communication skills, financial and budget activities, human relations, and portfolio development. Practicum in Culinary Arts is relevant and rigorous, supports student application of academic standards, and effectively prepares students for college and career success.

(3) Instruction may be delivered through school-based laboratory training or through work-based delivery arrangements such as cooperative education, mentoring, and job shadowing.

(4) Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

Public Services Course Selections

Health Science Courses

PRINCIPLES OF HEALTH SCIENCE

Grade Level(s) Eligible to Enroll in Class: 9-11

Prerequisite: None

Credit: 1

13020200

(a) General requirements. This course is recommended for students in Grades 9-11.

(b) Introduction. (1) The Principles of Health Science provides an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the health care industry.

(2) To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, and communicate effectively. Students should recognize that quality health care depends on the ability to work well with others.

(3) The health science industry is comprised of diagnostic, therapeutic, health informatics, support services, and biotechnology research and development systems that function individually and collaboratively to provide comprehensive health care. Students should identify the employment opportunities, technology, and safety requirements of each system. Students are expected to apply the knowledge and skills necessary to pursue a health science career through further education and employment.

(4) Professional integrity in the health science industry is dependent on acceptance of ethical and legal responsibilities. Students are expected to employ their ethical and legal responsibilities and limitations and understand the implications of their actions.

MEDICAL TERMINOLOGY

Grade Level(s) Eligible to Enroll in Class: 9-11

Prerequisite: None

Credit: 1

13020300

(a) General requirements. This course is recommended for students in Grades 9-12.

(b) Introduction. (1) This course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, combining forms, and singular and plural forms, plus medical abbreviations and acronyms. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

(2) To pursue a career in health science, students should learn to reason, think critically, make decisions, solve problems, and communicate effectively. Students should understand that quality health care depends on the ability to work well with others.

(3) The health science industry is comprised of diagnostic, therapeutic, health informatics, support services, and biotechnology research and development systems that function individually and collaboratively to provide comprehensive health care. Students should identify the employment opportunities, technology, and safety requirements of each system. Students are expected to learn the knowledge and skills necessary to pursue a health science career through further education and employment.

(4) Professional integrity in the health science industry is dependent on acceptance of ethical and legal responsibilities. Students are expected to employ their ethical and legal responsibilities and limitations and understand the implications of their actions.

HEALTH SCIENCE

Grade Level(s) Eligible to Enroll in Class: 10-11

Prerequisite: Principles of Health Science and Biology

Credit: 1

13020400

(a) General requirements. This course is recommended for students in Grades 10-12.

Recommended prerequisites: Principles of Health Science and Biology.

(b) Introduction. (1) The Health Science course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will have hands-on experiences for continued knowledge and skill development. The course may be taught by different methodologies such as clinical rotation and career preparation learning.

(2) To pursue a career in the health science industry, students should recognize, learn to reason, think critically, make decisions, solve problems, and communicate effectively. Students should recognize that quality health care depends on the ability to work well with others.

(3) The health science industry is comprised of diagnostic, therapeutic, health informatics, support services, and biotechnology research and development systems that function individually and collaboratively to provide comprehensive health care. Students should identify the employment opportunities, technology, and safety requirements of each system. Students are expected to apply the knowledge and skills necessary to pursue a health science career through further education and employment.

(4) Professional integrity in the health science industry is dependent on acceptance of ethical and legal responsibilities. Students are expected to employ their ethical and legal responsibilities, recognize limitations, and understand the implications of their actions.

PRACTICUM IN HEALTH SCIENCE I- CNA CLASS

Prerequisite: Health Science and Biology

Credit: 2

13020500

(a) General requirements. This course is recommended for students in Grades 11-12.

Recommended prerequisites: Health Science and Biology.

(b) Introduction. (1) The Practicum is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

(2) To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, and communicate effectively. Students should recognize that quality health care depends on the ability to work well with others.

(3) The health science industry is comprised of diagnostic, therapeutic, health informatics, support services, and biotechnology research and development systems that function individually and collaboratively to provide comprehensive health care. Students should identify the employment opportunities, technology, and safety requirements of each system. Students are expected to apply the knowledge and skills necessary to pursue a health science career through further education and employment.

(4) Professional integrity in the health science industry is dependent on acceptance of ethical and legal responsibilities. Students are expected to employ their ethical and legal responsibilities and limitations and understand the implications of their actions.

PRACTICUM IN HEALTH SCIENCE II- PHARMACY TECH CLASS

Prerequisite: Health Science and Biology

Credit: 2

13020510

(a) General requirements. This course is recommended for students in Grades 11-12.

Recommended prerequisites: Health Science and Biology.

(b) Introduction. (1) The Practicum is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

(2) To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, and communicate effectively. Students should recognize that quality health care depends on the ability to work well with others.

(3) The health science industry is comprised of diagnostic, therapeutic, health informatics, support services, and biotechnology research and development systems that function individually and collaboratively to provide comprehensive health care. Students should identify the employment opportunities, technology, and safety requirements of each system. Students are expected to apply the knowledge and skills necessary to pursue a health science career through further education and employment.

(4) Professional integrity in the health science industry is dependent on acceptance of ethical and legal responsibilities. Students are expected to employ their ethical and legal responsibilities and limitations and understand the implications of their actions.

Public Services Course Selections
Criminal Justice Courses

PRINCIPLES OF LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY

Grade Placement: 9-12

Credits: 1

13029200

Recommended Prerequisites: None

A course designed to study the history and philosophy of criminal justice and its ethical considerations. Crime is define,; its nature an impact are explored. Instruction also includes an overview of the criminal justice system, law enforcement and the course systems, a study of prosecution and defense, trial processes and corrections and penal systems.

LAW ENFORCEMENT I

Grade Placement: 10-12

Credits: 1

13029300

Recommended Prerequisites: Principles of Law, Public Safety, Corrections, and Security

Law Enforcement I is an overview of the history, organization, and functions of local, state, and federal law enforcement. This course includes the role of constitutional law, the United States legal system, criminal law, law enforcement terminology, and the classification and elements of crime.

LAW ENFORCEMENT II

Grade Placement: 11-12

Credits 1

13029400

Recommended Prerequisites: Law Enforcement I

Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. This course includes the ethical and legal responsibilities, operation of police and emergency telecommunication equipment, and courtroom testimony.

COURT SYSTEMS AND PRACTICE

Grade Placement: 10-12

Credits: 1

13029600

Court Systems and Practices is an overview of the federal and state court systems. The course identifies the roles of judicial officers and the trial processes from pretrial to sentencing and examines the types and rules of evidence. Emphasis is placed on constitutional laws for criminal procedures such as search and seizure, stop and frisk, and interrogation.

Concurrent Enrollment Courses for Dual Credit:

Clyde CISD has a dual credit handbook that should be consulted for further information. All steps pertaining to admission, registration, tuition and books is available in the dual credit handbook. Below is a brief explanation and course guide.

Students must meet eligibility requirements for enrollment. A student must prove they are ready for college-ready work. College readiness can be proven with the following test scores. A student must have at least 1 test that verifies the following scores.

ACT - Composite of 23; 19 in Math and Reading

SAT - Composite of 1070; 500 in Math and Reading

PSAT - Composite of 107; 50 in Math and Reading

PLAN - Composite of 23; 19 in Math and Reading

TSI - Math 350; Reading 351; Writing 363 or a 5/4.

*EOC - Alg. 2 4000 and Eng. 2 Level 2 scores (beginning in 2015-2016)

These scores along with the proper applications and tuition are required for you to enroll in dual credit courses.

Complete course descripts may be found on the class syllabus or in other parts of this document.

Clyde High School Dual Credit Course Offerings

Clyde High School Course	Cisco College
English 4	English 1301 and 1302
Scientific Research and Design	Biology for Science Majors 1406 and 1407
Anatomy and Physiology	Biology 2401 and 2402
Economics/ US Government	Principles of Economics 2301/Gov't 2305
Independent Study in Math	College Algebra 1314 and Statistics 1342
Spanish 3	Spanish 1411 and 1412
Welding	Welding 1430
Criminal Justice	Intro to Criminal Justice 1322

ENGL 1301 English Composition and Rhetoric

Clyde CISD Course Number: 4102

TEA A3220200

Grade Level Student Eligible to enroll in class: 12

Principles and techniques of written, expository, and persuasive composition, analysis of texts and critical thinking. An introduction to research writing and documentation is also included. Instruction given each day of the regular high school calendar.

Credit: ½ high school English IV unit

Credit : 3 semester hours at CJC

ENGL 1302 English Composition and Rhetoric

Clyde CISD Course Number: 4102 TEA A3220200

Grade Level Student Eligible to enroll in class: 12

MATH 1314 College Algebra

Clyde CISD Course Number 4202 TEA

Credit: 3 semester hours

Prerequisite: High School Algebra I & II or Math 0303

Elementary topics, exponents and radicals, functions and graphs, linear and quadratic equations, inequalities, determinants, and systems of linear equations with selected topics from among permutations

and combinations, progressions, variation, theory of equations; mathematical induction and probability; may not apply toward a major in math; three lecture hours per week.

GOVT 2305 AMERICAN GOVERNMENT

Clyde CISD Course Number: 4408

Grade Level Student Eligible to enroll in class : 12

Introduction to the theory and practice of government and policies in America at the national level.

Topics include democratic political theory, political culture, the United States Constitution, federalism, civil liberties and civil rights, media, political participation and elections, the institutions of government, domestic and foreign policies.

ANATOMY AND PHYSIOLOGY

(a) General requirements. This course is recommended for students in Grades 10-12.

Recommended prerequisites: three credits of science. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary Curriculum).

(b) Introduction. (1) Anatomy and Physiology. In Anatomy and Physiology, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis.

(2) Nature of science. Science, as defined by the National Academy of Sciences, is the "use of evidence to construct testable explanations and predictions of natural phenomena, as well as the knowledge generated through this process." This vast body of changing and increasing knowledge is described by physical, mathematical, and conceptual models. Students should know that some questions are outside the realm of science because they deal with phenomena that are not scientifically testable.

(3) Scientific inquiry. Scientific inquiry is the planned and deliberate investigation of the natural world. Scientific methods of investigation are experimental, descriptive, or comparative. The method chosen should be appropriate to the question being asked.

(4) Science and social ethics. Scientific decision making is a way of answering questions about the natural world. Students should be able to distinguish between scientific decision-making methods (scientific methods) and ethical and social decisions that involve science (the application of scientific information).

(5) Science, systems, and models. A system is a collection of cycles, structures, and processes that interact. All systems have basic properties that can be described in space, time, energy, and matter. Change and constancy occur in systems as patterns and can be observed, measured, and modeled. These patterns help to make predictions that can be scientifically tested. Students should analyze a system in terms of its components and how these components relate to each other, to the whole, and to the external environment.

ECON 2301 PRINCIPLES OF ECONOMICS

Clyde CISD Course Number 4409

Grade Level Student Eligible to enroll in class: 12

A study of the history, development and applications of macroeconomic principles with emphasis of national income analysis and theory, monetary and fiscal policy, stabilization policy, economic growth and development, and public finance.

Texas Virtual School Network

Students wishing to take courses not offered by Clyde CISD have the option of taking courses through the Texas Virtual School Network (TxVSN). TxVSN provides online courses to students in public school districts and open-enrollment charter schools. The Texas Virtual School Network is a clearinghouse of rigorous online courses offered by approved providers. Because the Texas Education Agency approves all courses, students can be assured that courses meet the state's high standards for teaching and learning. Students desiring to take online courses must a sophomore level or above, be in good academic standing and have passed appropriate state testing. Students or parents interested in pursuing online courses through TxVSN should visit with the school counselor regarding this program.

Off-Campus PE or Off-Campus Fine Art

Clyde CISD has the option of allowing students to complete their Physical Education and/or Fine Art requirement through outside sources. Student must apply through the counseling office and provide documentation to the athletic director or Fine Art director regarding the completion of these programs. Letters of permissions, documentation of hours, and full course requirements are available through the counseling office.

Other courses through Texas State Technical College are available upon request from the high school counselor for dual credit in the career and technical fields.