

# SLIDELL HIGH SCHOOL

## 9<sup>th</sup>, 10<sup>th</sup>, and 11<sup>th</sup> GRADE COURSE DESCRIPTION GUIDE

### 2016-17

#1 TIGER DRIVE; SLIDELL, LOUISIANA 70458

#### **VISION STATEMENT**

Slidell High School students, fostered by a sense of community and continuing a tradition of excellence, are guided by a family of educators actively engaging in dynamic learning experiences that promote self-reliance, encourage educational opportunities and champion the students' broader needs.

#### **BELIEFS/PHILOSOPHY**

The school's mission is aligned with the school philosophy which stresses: Preparation for productive citizenship; A variety of courses with a strong academic emphasis; A myriad of activities and experiences; Attainment of successful experiences for all students; Partnerships between school, home and community; Concern for intangible qualities such as self-motivation and tolerance; A safe environment that promotes exploration and self-expression; Promotion of life-long learning; Re-evaluation of programs to adapt to a changing world; A competent and caring faculty and administration.

#### **INTRODUCTION**

The purpose of this guide is to help students make good decisions concerning course selections for the coming year. It is important to use this booklet in developing an overall plan for a student's entire high school career. Each class a student chooses should be part of an overall plan.

Read this guide carefully and discuss it with your parents. It is essential that a student think seriously about a particular subject before scheduling. ***A student will not be allowed to change teachers or courses once he/she has been placed in the course.*** The administration plans now for the next school year based upon the subjects selected. Therefore, no changes in course selections will be allowed after



school has ended in May. A course will not be offered if less than 12 students request it or if a teacher cannot be found.

#### **YOUR COUNSELOR**

A counselor is assigned to each high school student and will work with the student throughout his/her high school years. Counselors are available for consultation by appointment or if an emergency arises. Conferences with teachers should be scheduled through the grade level counselor. A phone call or an e-mail can often resolve the problem without a meeting.

#### **POLICY STATEMENT**

It is the policy of this high school not to discriminate in its educational programs or activities on the basis of sex, race, color, religion, or national origin.

Parents and students must realize that all courses offered at this school are open to both boys and girls, and no distinction based on gender is made in the placement of students in courses.

#### **SCHEDULING REQUIREMENTS**

Students must schedule seven courses. Exceptions to this rule include:

- A. Seniors who have been granted Early Release with the approval of the Principal and their parents. ***Seniors will be required to attend class for a minimum of five hours per day per semester. Taking less than seven units may affect class rank and GPA.***
- B. Students serving as office aides. These seniors are approved only by the Principal or Assistant Principal. Only a limited number of students per semester will be selected as student aides.

#### **FULL UNIT COURSES**

Careful attention must be paid to graduation requirements with respect to individual courses. For example, the requirement of one unit of World Geography or one unit of World History does not mean one-half unit of World Geography paired with one-half unit of World History. When a choice is made for a required course, a full unit must be earned in that course.

#### **Units required for Progression:**

<b>Sophomore .....</b>	<b>5 units</b>
<b>Junior.....</b>	<b>11 units</b>
<b>Senior.....</b>	<b>17 units</b>
<b>Graduate.....</b>	<b>23 or 24 units depending on diploma path</b>

## END-OF-COURSE TESTS

1. Students must take the following state assessments in order to earn a diploma:
  - a) English II
  - b) English III
  - c) Algebra I
  - d) Geometry
  - e) Biology
  - f) U.S. History
2. In order to pass, students must receive an achievement level of excellent, good, or fair. Students enrolled in a course for which there is an EOC test must take the EOC test.
  - a) The EOC test score shall count as 20 percent of the student's final grade for the course.
  - b) The grades assigned for the EOC test achievement levels shall be as follows:

EOC Achievement Level	Grade
Excellent	A
Good	B
Fair	C
Needs Improvement	D or F

## SCHEDULE CHANGES

***Students and counselors will not be allowed to change schedules without administrative approval. Schedules are changed only to balance classes and to meet graduation or TOPS requirements. Schedule change requests for teacher or elective preferences will not be honored.***

## SHS INTERNSHIPS

Sophomores interested in careers in a variety of fields may enroll in the beginning courses of one of seven internships: Allied Health; Business & Technology; Communications; Hospitality and Tourism; STEM/ Engineering; Law Enforcement; and Teaching. A specific series of courses is planned for each internship. Students, by teacher recommendation, will have the opportunity to complete an internship in which students work with mentors for two hours a day and earn two credits for the course. Further information on internships may be found at the back of this guide.

Internship graduates will receive special recognition at graduation.

## INDIVIDUAL GRADUATION PLAN (IGP)

By the end of eighth grade, each student is required to develop, with the input of his family, an IGP. Such a plan shall include a sequence of courses consistent with the student's stated goals for one year after graduation. Courses selected should prepare a student for postsecondary education and/or career.

**RECOMMENDED COLLEGE PREPARATORY CURRICULUM**

<b>English</b> .....	<b>4 units</b>
English I, II, III, IV	
<b>Mathematics</b> .....	<b>4 units</b>
Algebra I, II, Geometry, an Adv. Math	
<b>Science</b> .....	<b>4 units</b>
Physical Science, Biology, Chemistry, Physics	
<b>Social Studies</b> .....	<b>4 units</b>
American History, World Geography. World History, Civics	
<b>Arts</b> .....	<b>1 unit</b>
Art I, Fine Art Survey, or Basic Technical Drafting. Students may substitute one unit of credit in eligible band, orchestra, choir, art, or drama courses.	
<b>Foreign Language</b> .....	<b>2 units</b> (in the same language)
<b>Physical Education</b> .....	<b>1½ units</b>
Students may substitute two unit of Naval Science Junior ROTC courses.	
<b>Health</b> .....	<b>½ unit</b>
<b>Intro to BCA</b> .....	<b>1 unit</b>
<b>Additional Courses</b> .....	<b>2 units</b>
<b>Total</b> .....	<b><u>24 units</u></b>

**Louisiana TOPS University Diploma Graduation Requirements**

<b>English</b> .....	<b>4 units</b>
English I, II, III, IV	
<b>Mathematics</b> .....	<b>4 units</b>
Algebra, Geometry, Algebra II, and 1 unit of Algebra III, Pre-Calculus, Functions & Statistics, Calculus BC	
<b>Science</b> .....	<b>4 units</b>
Biology, Chemistry, and 2 units of Physical Science, Physics, Biology II, Chemistry II, or Environmental Science	
<b>Social Studies</b> .....	<b>4 units</b>
World Geography, Civics, U.S. History, World History, Western Civilization	
<b>Physical Education</b> .....	<b>1½ units</b>
<b>Health</b> .....	<b>1/2 unit</b>
<b>Foreign Language</b> .....	<b>2 units</b>
Spanish I and II, French I and II, or American Sign Language I and II	
<b>Arts</b> .....	<b>1 unit</b>
Art I, Fine Art Survey, or Basic Technical Drafting. Students may substitute one unit of credit in eligible band, orchestra, choir, art, or drama courses.	
<b>Electives</b> .....	<b>3 units</b>
<b>Total</b> .....	<b><u>24 units</u></b>

**Louisiana Career Diploma Graduation Requirements**

<b>English</b> .....	<b>4 units</b>
English I, II, III, and one unit of English IV or Business English	
<b>Mathematics</b> .....	<b>4 units</b>
Algebra I and 3 units of Geometry, Math Essentials, Financial Literacy (formerly Financial Math), Business Math, Algebra II, Algebra III, Functions and Statistics, or Pre-Calculus	
<b>Science</b> .....	<b>2 units</b>
Biology and 1 unit of Chemistry I, Environmental Science, Physical Science, or Agriscience I and Agriscience II (one unit combined)	
<b>Social Studies</b> .....	<b>2 units</b>
Civics/Government, U.S. History	
<b>Physical Education or JROTC</b> .....	<b>1½ units</b>
<b>Health</b> .....	<b>1/2 unit</b> (JROTC I and II may be substituted for PE)
<b>Career Courses</b> .....	<b>9 units from student selected pathway (see pathway courses below)</b>

**State Wide Pathways:**

- Automobile Service
- Carpenter
- Certified Nursing Assistant
- Emergency Medical Technician
- Pro Start
- Welder

**Integrated Pathways:**

- Agriculture Technician
- Digital Media and Entertainment Technology
- Health Science, Patient Care and Management
- Hospitality, Tourism, Culinary and Retail

**Regional Pathways:**

- Business Management
- Public Service
- Carpenter's Helper
- Welder's Helper
- Workplace Safety

**Pathways for Act 833 Eligible Students:**

- Ag Tech 833
- Hospitality, Tourism, Culinary and Retail 833
- Manufacturing, construction, Crafts and Logistics 833
- Workplace Safety 833

<https://www.louisianabelieves.com/>



## TOPS Core Curriculum

For the Opportunity, Performance and Honors Awards  
For High School graduates of 2018 and thereafter

Units	Courses <sup>1</sup>
<b>ENGLISH = 4 Units</b>	
1 Unit	English I
1 Unit	English II
1 Unit from the following:	English III, AP English Language Arts and Composition, or IB English III (Language A or Literature and Performance)
1 Unit from the following:	English IV, AP English Literature and Composition, or IB English IV (Language A or Literature and Performance)
<b>MATH = 4 Units</b>	
1 Unit	Algebra I
1 Unit	Geometry
1 Unit	Algebra II
	(Integrated Mathematics I, Integrated Mathematics II, and Integrated Mathematics III may be substituted for the Algebra I, Geometry, and Algebra II sequence)
1 Unit from the following:	Algebra III; Advanced Math - Functions and Statistics, Advanced Math - Pre-Calculus, Pre-Calculus, or IB Math Methods I (Mathematical Studies SL); Calculus, AP Calculus AB, or IB Math Methods II (Mathematics SL); AP Calculus BC; Probability and Statistics or AP Statistics; IB Further Mathematics HL; IB Mathematics HL
<b>SCIENCE = 4 Units</b>	
1 Unit	Biology I
1 Unit	Chemistry I
2 Units from the following:	Earth Science; Environmental Science; Physical Science; Agriscience I and Agriscience II (one unit combined); Chemistry II, AP Chemistry, or IB Chemistry II; AP Environmental Science or IB Environmental Systems; Physics I, AP Physics B, or IB Physics I; AP Physics C: Electricity and Magnetism, AP Physics C: Mechanics, or IB Physics II; AP Physics I and AP Physics II; Biology II, AP Biology, or IB Biology II
<b>SOCIAL STUDIES = 4 Units</b>	
1 Unit from the following:	U.S. History, AP U.S. History, or IB U.S. History
1 Unit from the following:	Civics, Government, AP U.S. Government and Politics: Comparative, or AP U.S. Government and Politics: United States
2 Units from the following:	Western Civilization, European History, or AP European History; World Geography, AP Human Geography, or IB Geography; World History, AP World History, or IB World History; History of Religion; IB Economics, Economics, AP Macroeconomics, or AP Microeconomics
<i>Please see reverse side for continuation of TOPS Core Curriculum</i>	

<b>FOREIGN LANGUAGE = 2 Units</b>	
	Foreign Language, both units in the same language, which may include the following: AP Chinese Language and Culture, AP French Language and Culture, AP German Language and Culture, AP Italian Language and Culture, AP Japanese Language and Culture, AP Latin, AP Spanish Language and Culture, IB French IV, IB French V, IB Spanish IV, and IB Spanish V
<b>ART = 1 Unit</b>	
1 Unit from the following:	Performance course in Music, Dance or Theatre; Fine Arts Survey; Art I, II, III, and IV; Talented Art I, II, III, and IV; Talented Music I, II, III and IV; Talented Theater Arts I, II, III, and IV; Speech III and Speech IV (one unit combined); AP Art History; AP Studio Art: 2-D Design; AP Studio Art: 3-D Design; AP Studio Art: Drawing; AP Music Theory; IB Film Study I; IB Film Study II; IB Music I; IB Music II; IB Art Design III; IB Art Design IV; IB Theatre I or Drafting
<b>TOTAL = 19 Units</b>	

<sup>1</sup> **GIFTED COURSES:** Any core curriculum course that is taken by a student who has been identified as gifted pursuant to State Board of Elementary and Secondary Education (BESE) policy and that is taken in fulfillment of the student's Individualized Education Plan shall be considered a "Gifted Course" and shall fulfill the core curriculum.

Beginning with students entering the 9<sup>th</sup> grade in 2014-2015 and graduating in the 2017-2018 school year and thereafter, the calculation of the TOPS Core Curriculum grade point average (GPA) will use a five- (5.00) point scale for grades earned in certain designated Advanced Placement (AP) courses; International Baccalaureate (IB) courses; Gifted courses; Dual Enrollment courses, Honors courses and Articulated courses offered for college credit by the Louisiana School for the Math, Science and the Arts used to complete the TOPS Core Curriculum. The courses currently designated to be calculated on the 5.00 point scale can be viewed at <https://www.osfa.la.gov/5scale>. At this time, BESE and the Board of Regents have not designated the Honors or Articulated courses that will be calculated on the five- (5.00) point scale.<sup>1</sup> For the designated courses, five quality points will be assigned to a letter grade of "A", four quality points will be assigned to a letter grade of "B", three quality points will be assigned to a letter grade of "C", two quality points will be assigned to a letter grade of "D", and zero quality points will be assigned to a letter grade of "F". Note that students earning credit in courses graded on the five (5.00) point scale may earn a grade point average on the TOPS Core Curriculum that exceeds 4.00.

<sup>1</sup> Courses approved for the five- (5.00) point scale will be noted in updates to this document.



*This core curriculum is accurate as of the date of publication and includes courses listed in TOPS statute.*

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 P.O. Box 91202, Baton Rouge, LA 70821-9202

Updated: 08/27/2014



## TOPS Tech Core Curriculum

For the TOPS Tech Award – JumpStart Curriculum

**For High School graduates of 2016 and thereafter**

Students may also qualify for the TOPS Tech Award by completing the TOPS Core Curriculum for the Opportunity, Performance and Honors Awards

Units	Courses
1 Unit	English I
1 Unit	English II
2 Units	English III, English IV, AP or IB English courses, Business English, Technical Writing, or comparable Louisiana Technical College courses offered by Jump Start regional teams as approved by the State Board of Elementary and Secondary Education.
1 Unit	Algebra I; or both Algebra I, Part 1 and Algebra I, Part 2; or an applied or hybrid algebra course
3 Units	Geometry, Algebra II, Math Essentials, Financial Literacy, Business Math, Algebra III, Advanced Math -Functions and Statistics, Advanced Math - Pre-Calculus, Pre-calculus, or comparable Louisiana Technical College courses offered by Jump Start regional teams as approved by the State Board of Elementary and Secondary Education. Integrated Mathematics I, II, and III may be substituted for Algebra I, Geometry, and Algebra II, and shall equal three mathematics credits
1 Unit	Biology
1 Unit	Chemistry I, Earth Science, Environmental Science, Agriscience I and Agriscience II (both for one unit), Physical Science, or AP or IB science courses
1 Unit	U.S. History, AP U.S. History, or IB U.S. History
1 Unit	Civics, Government, AP U.S. Government and Politics: Comparative, or AP U.S. Government and Politics: United States
9 Units	In Jump Start course sequences, workplace experiences, and credentials. A student shall complete a regionally designed series of Career and Technical Education Jump Start coursework and workplace-based learning experiences leading to a statewide or regional Jump Start credential. This shall include courses and workplace experiences specific to the credential, courses related to foundational career skills requirements in Jump Start, and other courses, including career electives, that the Jump Start regional team determines are appropriate for the career major.
<b>TOTAL: 21 units</b>	



*This core curriculum is accurate as of the date of publication and includes courses listed in TOPS statute and those determined to be equivalent by the La. Board of Regents and BESE.*

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## 9<sup>th</sup>, 10<sup>th</sup>, and 11<sup>th</sup> GRADE COURSE DESCRIPTIONS

### Core Classes

\*Resource, Honors, Gifted, Talented, Dual Enrollment (DE) and Advanced Placement (AP) courses require Recommendations and/or Prerequisites.

\*Honors, Dual Enrollment (DE), and Advanced Placement (AP) courses offer a more rigorous and in-depth curriculum than regular courses.

\*Dual Enrollment Courses require a minimum Plan or ACT score. Fees may also be associated with these courses.

\*AP courses may earn college credit depending on AP Standardized Test score.

\*Gifted and Talented Classes require a current IEP identifying the student as “gifted” according to state criteria.

\*Special Education classes (Resource) require a current IEP identifying the student as meeting special education criteria.

### English:

#### **English I: Regular, Resource, Honors, Gifted**

**Grade 9; 1 Year Course**

**Prerequisite for Honors Enrollment: A or B in 8<sup>th</sup> grade English and teacher recommendation.**

Students receive instruction in: traditional grammar, paragraph development, vocabulary, study skills, researching information resources, writing, and critical reading of drama, short stories, essays, poetry, and novels. Students are expected to apply the fundamentals of mechanics and usage to composition assignments. Summer reading is a requirement.

#### **English II: Regular, Resource, Pre-AP, Gifted**

**Grade 10; 1 Year Course**

**Prerequisite for Pre-AP: A or B in English I and teacher recommendation.**

Students receive instruction in: grammar, composition, library skills, vocabulary, study skills, research, writing, and literature. Students are expected to apply the fundamentals of mechanics and usage to composition assignments, which focus primarily on expository and persuasive essays. Summer reading is a requirement. **All students will take an End of Course (EOC) test in this subject.**

#### **English III: Regular, Resource, Honors, Advanced Placement**

**Grade 11; 1 Year Course**

**Prerequisite for Honors and AP: A or B in English II and teacher recommendation.**

Students receive instruction in: chronological review of American literature, research paper, speaking, listening, note taking, outlining, analyzing oral and written material, study skills and library usage for research as well as essay writing. This research unit is the foundation for the Senior Research Project. Summer Reading is a requirement. **All students will take an End of Course (EOC) test in this subject.**

#### **Business English: Regular**

**Grade 11; 1 Year Course**

**Prerequisite:** English I, English II

Students will enhance written and verbal communication skills that are essential to success in business organizations and industry. Students are expected to read, comprehend, interpret, and analyze literary and informational texts and to create and publish documents such as reports, essays, letters, commercials, and technical manuals. Students study rhetorical devices and persuasive techniques and apply research skills to identify a successful career path.

### Math:

#### **Algebra I: Regular, Resource, Honors**

**Grade 9; 1 Year Course**

**Prerequisite for Honors: A or B in Pre-Algebra, teacher recommendation, and/or scores on honors testing.**

This course includes understanding the use of the language of algebra, performing operations with real numbers, solving linear equations and inequalities, problem solving with equations, graphing linear equations, solving linear inequalities, solving systems of equations, computations with polynomials, factoring polynomials, performing operations with algebraic fractions, solving expressions containing radicals, solving quadratic equations, and understanding the integration of algebra with other mathematics. **All students will take an End of Course (EOC) test in this subject.**

**Algebra II: Regular, Honors, Gifted****Grades 10, 11, 12; 1 Year Course****Prerequisite for Regular Enrollment:** Algebra I and Geometry. Recommended: “B” average in Algebra I and Geometry.**Prerequisite for Honors Enrollment:** “B” average in Algebra I and Geometry H or “A” average in Algebra I and Geometry

This course covers all topics presented in Algebra I in greater depth. Additional topics include: conics, logarithms, polynomial and rational functions.

**Algebra III: Regular****Grades 11, 12, 1 Year Course****Prerequisite:** Algebra I, Geometry and Algebra II

Students will solidify topics learned in Algebra II, while focusing on work with many types of functions such as polynomial, rational, radical, exponential, and logarithmic. Modeling real-life problems and fitting data to those models will be an integral component of this course. This course will give students the work needed in preparation for College Algebra.

**Business Math: Regular****Grades 10, 11, 12; 1 Year Course****Prerequisite:** Algebra I

This course focuses on mathematics in business situations. Students will explore how businesses function through mathematical applications. Topics include all facets of managing a business such as personnel, production, purchasing, sales, marketing, storage, distribution, services, accounting, and planning. **This course does not count for TOPS University Diploma.**

**Calculus AB: Advanced Placement****Grades 11, 12; 1 Year Course****Recommended:** “B” average in Algebra I, Geometry and Algebra II, and Advanced Math I (Trigonometry) or enrolled in Advanced Math I and recommendation of math teacher.

Topics covered include algebraic, trigonometric, exponential and logarithmic functions. Limits and derivatives of these functions will be included, as well as applications of derivatives. Differential calculus will include antiderivatives, in-depth techniques of integration, and applications of the definite integral. Students may earn up to five hours of college credit upon successful completion of the course and standardized test. Accessibility to a graphing calculator is strongly recommended.

**Financial Literacy (formally Financial Math): Regular****Grades 11, 12; 1 Year Course****Prerequisite:** Algebra I

This course focuses on personal finance. Students will explore important life skills through mathematical applications. Topics address decision making and personal responsibilities such as understanding paychecks and income, budgeting, banking, credit, loans, buying a house, buying a car, insurance, and investments. **This course does not count for TOPS University Diploma.**

**Functions and Statistics: Regular****Grades 11, 12; 1 Year Course**

This is an advanced level math course intended for college bound students in non-science majors. This course continues the study of functions begun in Algebra with a more rigorous study of the graphic representation of functions with emphasis on function characteristics. Particular study will be given to the concepts of domain and range. The topics of exponential and logarithmic functions and all aspects of triangle trigonometry will require more rigorous algebra than other sections. The course also requires the development of statistical vocabulary as well as using methods for collecting, organizing, and analyzing univariate and bivariate data.

**Geometry: Regular, Resource, Honors, Gifted****Grades 9, 10; 1 Year Course****Prerequisite for Honors Enrollment:** Algebra I with a “B” average or better in Algebra I (H) or an “A” average in Algebra I

This course includes the structure of geometric relationships in a plane; properties of angles and perpendicular lines; inductive and deductive reasoning; recognition and application of theorems about parallel and perpendicular lines and planes; identification of polygons, congruent and similar triangles and their properties; the characteristics of right triangles; circles and, perimeters, area, and volume of geometric figures. **All students will take an End of Course (EOC) test in this subject.**

**Math Essentials: Regular****Grades 11, 12; 1 Year Course****Prerequisite:** Algebra I

This course builds upon conceptual understanding and foundations found in algebra and geometry. Topics include: ratio, proportion, probability, statistics, geometry of two and three dimensional objects, right triangle geometry and trigonometry, linear functions, special non-linear functions, quadratic functions, and other foundational math topics. **This course does not count for TOPS University Diploma.**



**Pre-Calculus: Regular, Gifted, Dual Enrollment**

Grades 11, 12; 1 Year Course

**RECOMMENDATION COURSE****Recommended for Regular Enrollment:** “B” average or better in Algebra I and Geometry and have previously taken and passed Algebra I, Geometry, and Algebra II.**Prerequisite for Dual Enrollment:** “B” average or better in Algebra I, Geometry and Algebra II. Requires a minimum PLAN or ACT score.**PreCalculus can be dual enrolled with Nunez Community College for 3 credit hours each semester (Course fee per semester).**

The first semester includes topics from trigonometry such as the unit circle, trig graphs, solving triangles and trig equations. The second semester covers many Algebra II topics in more depth. These include sequence and series, exponential, logarithmic, polynomial and rational functions.

**Science:****Ag Science I: Regular**

Grades 9, 10, 11, 12; 1 Year Course

This course is an introductory course that allows a student to explore many basic areas of agriculture. FFA leadership, basic plant and animal science, horticulture, food science and entomology are all covered. A student enrolled in this course may become a member of FFA, at a cost of \$10.00.

**Ag Science II: Regular**

Grades 10, 11, 12; 1 Year Course

**Prerequisite:** Agriscience 1. Successful completion of Agriscience 1 and 2 satisfies the third science for graduation.

This course is a continuation of Agriculture 1. A more in depth study of plant and animal systems, recordkeeping, horticulture, livestock evaluations and soil science is presented.

**Biology I: Regular, Honors**

Grades 9, 10, 11, 12; 1 Year Course – Lab Fee \$10

**Prerequisite for Honors Enrollment:** Enrollment: Honors Physical Science with a “B” or better average; Algebra I with a “B” or better average; or Physical Science with a “B” or better average.

The student will use process skills in a laboratory setting to develop an understanding and knowledge of living things. First semester includes a study of the chemistry of life, cell biology, molecular biology, genetics and ecology. Second semester includes the study of taxonomy, the anatomy and physiology of living things, human systems, and evolution. **All students will take an End of Course (EOC) test in this subject.**

**Biology II: Regular, Dual Enrollment**

Grades 11, 12; 1 Year Course – Lab Fee \$10

**Prerequisite for Dual Enrollment:** Students should have a B or better in Biology I, Chemistry I, and a teacher recommendation. Requires a minimum PLAN or ACT score.

Biology II is designed for the student who has a strong interest in biology. Students explore advanced topics selected from cellular biology, biochemistry, biotechnology, genetics, microbiology, evolution, behavior, ecology, plant and animal anatomy, and physiology. Research and advanced laboratory techniques are emphasized.

**Chemistry I: Regular, Honors**

Grades 10, 11, 12; 1 Year Course – Lab Fee \$10

**Prerequisite for Regular Enrollment:** “B” average in Algebra I and Physical Science. Algebra II should be taken concurrently.**Prerequisite for Honors Enrollment:** “B” or better average in all honors science and math courses. Algebra II or higher should be taken concurrently, if not previously.

In this course laboratory experiences, demonstrations, and problem solving are stressed. Scientific notation and measurement, significant digits and graphing skills are developed. Nomenclature, bonding, balancing equations, stoichiometry, states of matter, electron configuration, periodic trends, and gas laws are included in first semester. Solutions, acid-base theory, equilibrium and oxidation-reduction processes are included second semester.

**Chemistry II: Dual Enrollment****Grades 11, 12; 1 Year Course – Lab Fee \$10****RECOMMENDATION COURSE****Recommended: B or better average in Chemistry I Honors and Algebra II. Requires a minimum PLAN or ACT score.**

The Honors Chemistry II course is designed to enrich and enhance the study of basic chemistry. More emphasis's placed on developing lab skills and techniques through lab experiences, student demonstrations, projects, and use of software and equipment beyond the scope of Chemistry I.

**Environmental Science: Regular****9, 10, 11, 12; 1 Year Course – Lab fee of \$10.00**

This course is designed for students who do not plan to major in the sciences. First semester deals with ecosystems and how they work, population problems, soil and water ecology, and pollution problems. Second semester deals with toxic wastes, air pollution, pest control, natural resources, biota land use and energy.

**Physical Science: Regular, Honors****Grades 9, 10, 11, 12; 1 Year Course****Prerequisite for Honors: A or B in Earth Science and teacher recommendation.**

This course is designed to equip the student with basic concepts, principles, laws and theories of physical science. Students will experience laboratory techniques. The first semester will cover chemistry concepts and the second semester will cover physics concepts.

**Social Studies:****American History: Regular; Resource; Dual Enrollment****Grades 11, 12; 1 Year Course****Prerequisite for DE Enrollment: An A or B in all English and Social Studies classes. Requires a minimum PLAN or ACT score. American History can be dual enrolled with Nunez Community College for 3 credit hours each semester (Course fee per semester).**

This is a survey course that examines American history from the post-Civil War to the present. The study will be chronological. Students will analyze the themes of American history that tie historical events and developments to one another. A short research paper is required. **All students will take an End of Course (EOC) test in this subject.**

**Civics: Regular, Resource****Grade 9, 10; 1 Year Course**

In this course students learn about the duties, rights, and responsibilities of U. S. citizens. Students examine the Constitution and Bill of Rights and learn how our local, state, and federal governments are organized. It is also a general survey of the American free enterprise system including basic economic theory and practice. Economic concepts, including resources, market, supply and demand, profit, etc., will be emphasized.

**U.S. Government: Honors, Gifted (formally titled Civics)****Grades 9, 10; 1 Year Course****Prerequisite: World Geography with a B average**

Students will examine the United States Constitution in depth and analyze the Founder's motivation behind the United States Constitution; engage in independent research assignments to understand the purpose and principles of government; become well-rounded citizens as they explore the election process and what constitutes good citizenship while performing civics duty hours and observations of various governmental meetings; examine the economic system of the United States; and develop critical thinking and writing skills as research on current issues are discussed and examined. Group work is an important component of this class.

**Western Civilization: Regular****Grade 10, 11, 12; 1 Year Course**

This course examines the growth of Western Europe from the Reformation to the 21<sup>st</sup> century. Focusing on selected historical moments, the course considers how the quest for freedoms and rights transformed politics, religion, and economics.

**World Geography: Regular, Resource, Honors, Gifted****Grade 9; 1 Year Course****Prerequisite Honors: A or B in Louisiana History and teacher recommendation.**

This is a study of the physical and cultural geography of the world. Emphasis will include the development of geography skills with a focus on the connections between people and places and the relationship between humans and their environment.

## Elective Courses

### Arts:

#### **Art I**

**Grades 9, 10, 11, 12; 1 Semester Electives- Art Fee: \$8.00 per semester**

Art I A (Basic Drawing) covers technical drawing skill of line, shape, basic printmaking, texture, and value in realistic life drawings.

Art I B (Basic Color Theory) covers the properties of color of hue, value, and intensity, color schemes, and different techniques and media.

#### **Art II**

**Grades 9, 10, 11, 12; 1 Semester Electives, Art Fee: \$8.00 per semester**

##### **RECOMMENDATION COURSE**

**Prerequisite: Art I with a "C" average**

Art II A (Basic Graphic Design) Drawing and principles and elements of design in commercial art.

Art II B (Basic Sculpture) three dimensional design; clay, papier-mâché, plaster, and a variety of sculpture materials.

#### **Fine Arts Survey ART**

**Grades 9, 10, 11, 12; 1 Semester Elective**

An academic introduction to visual arts; the development, history, philosophy, elements and principles of art, and production of art work in various media. The course partially fulfills the requirements for the TOPS scholarship. It should be taken opposite Fine Arts Survey – Music.

### Arts Talented:

#### **Art I Talented**

#### **Art II Talented**

#### **Art III Talented**

**Grades 9, 10, 11, 12; 1 Year Elective**

**Requires prior screening.**

Talented explores drawing, color, painting or 3-D art forms (media focus changes annually), the elements and principles of art, aesthetics, art criticism and art history.

**Admission to the above courses for talented students is through a prescribed selection process. See your guidance counselor for more information.**

### BUSINESS AND COMPUTER TECHNOLOGY:

#### **Accounting: Regular, Dual Enrollment**

**Grades 11 and 12; 1 Year Elective**

**Prerequisite for Dual Enrollment: Requires a minimum PLAN or ACT score.**

The course covers the complete accounting cycle. Accounting theory is emphasized. **Accounting can be dual enrolled with Nunez Community College as 6 college credit hours. (Course fee per semester).**

#### **Business Computer Applications: Regular, Dual Enrollment**

**Grade 11, 12; 1 Year Elective**

**Prerequisite: "C" or better average in IBCA A & B; Lab fee: \$8.00 per year**

**Prerequisite for Dual Enrollment: Requires a minimum PLAN or ACT score.**

This is a survey course of computer applications for business and personal use. During the 1<sup>st</sup> semester topics include introduction to microcomputer operation, windows, word processing, spreadsheets, data management, presentation, internet, and email.

During the 2<sup>nd</sup> semester the goal to provide students with skills needed to master the Excel Core competencies in preparation for the Microsoft Office Specialist certification. **BCA can be dual enrolled with Nunez Community College for 3 credit hours (TOPS Tech eligible).**

**Desktop Publisher: Regular, Dual Enrollment****Grade 11, 12; 1 Year Elective****RECOMMENDATION****Prerequisite: "C" or better average in IBCA A and B.****Lab Fee: \$8.00 per year**

First semester of this course provides students with the skills needed to create slide shows using text and graphics. Emphasis is placed on PowerPoint Core competencies in preparation for the Microsoft Office Specialist certification. . **Multimedia can be dual enrolled with Nunez Community College for 3 credit hours. (TOPS Tech eligible)**

Second semester of this course provides students with skills needed to create various desktop publishing documents. Emphasis is placed on designing and producing flyers, brochures, newsletters, and business cards. **Multimedia can be dual enrolled with Northshore Technical and Community College for 3 credit hours. (TOPS Tech eligible).**

**Digital Media: Regular, Dual Enrollment****Grade 11, 12; 1 Year Elective****Lab fee: \$8.00 a year**

This is a project-based course allowing students to creatively express themselves through digital graphics, audio, and still and motion video. Students will learn various computer editing programs as well as create story boards, scripts, and digital media projects.

**Introduction to Business Computer Applications****Grades 9, 10, 11, 12; 1 Year Elective****Lab fee: \$8.00 per year**

This course is designed to provide students with basic computer application skills. Topics include the touch method of operating a computer keyboard, Word Core competencies, and an introduction to PowerPoint. This course is designed to provide students with the skills needed to master the Word Core competencies in preparation for the Microsoft Office Specialist Word Certification.

**Principles of Business****Grades 10, 11, 12; 1 Year Elective**

This course is an introductory course that provides students with basic business operations skills that can be applied in both personal and professional situations. Emphasis is placed on the exploration and description of basic business concepts and applications. Through business application projects critical-thinking, oral and written communication skills are reinforced in this course.

**Principles of Marketing****Grades: 10, 11, 12; 1 Year Elective**

This course focuses on the application of marketing practices and principles. The students will have the opportunity to obtain an industry based Customer Service Certification through the National Retail Foundation.

**Web Design I****Grade 11, 12; 1 Year Elective****RECOMMENDATION COURSE****Prerequisite: "C" or better average in Desktop Publisher**

Concepts of web communication will be studied and explored. Students will design, develop, and maintain web pages using appropriate current editors and/or tagging languages. Students will demonstrate technical knowledge of the equipment and an ability to use a variety of input devices, file formats and transfer methods. Students will gain proficiency in the use of the various browsers used to navigate the web and will study connectivity issues as needed.

**CAREER EDUCATION:****Entrepreneurship****Grade 11, 12; 1 Year Elective**

Using real-life applications, students will be guided step-by-step through the entire process of owning their own business including developing a business plan for a mock business. Additionally, students will develop skills in customer satisfaction and loyalty. The students will gain an understanding of the skills, attitudes, and thinking patterns needed to win customer satisfaction and loyalty. Upon completion, the student will be eligible to test for the National Retail Federation Customer Service Test. Students passing the exam will receive the National Customer Service Certification.

**General Education Technology****Grades 9, 10, 11, 12; 1 Year Elective**

This course is designed to provide students with the opportunity to explore a variety of technical careers through contemporary technology education activities. Students will study and complete laboratory activities related to the fields of communication, construction, manufacturing, and transportation. Students will apply mathematics, science, and communication skills to study, design, perform experiments, and construct projects to enhance their learning.

**Journey to Careers****Grades 9, 10, 11, 12; 1 Year Elective**

This course is designed for students seeking a career diploma. Topics address life after high school: college, career and military options, resumes, applications, finances.

**COMMUNICATIONS:****Broadcasting****Grades 11, 12; 1 Year Elective**

This course will provide an introduction to the basic principles, procedures, and methods of broadcast journalism. The course includes composition, operation of cameras and editing machines, special effects, on-camera announcing and interviewing, lighting, staging, and directing. The student will learn how to handle video recording and editing equipment responsibly and ethically, in addition to incorporating principled studio and field reporting techniques.

**Publications I: Newspaper****Grades 10, 11, 12; 1 Year Elective****RECOMMENDATION COURSE**

This course includes an examination of the history and role of the media. Hands-on instruction includes web design, photojournalism, and editorial writing. Practical experiences include preparing articles and photographs for student and local news outlets and promoting the school to the community through the use of technology and advertising. Students must have strong organizational and writing skills as meeting deadlines is essential to success in the course.

**Publications II: Newspaper****Grades 11, 12; 1 Year Elective****RECOMMENDATION COURSE****Pre-requisite: Publications I**

An extension of the skills and theory learned in Journalism I. Focus is on designing and producing the school's online newspaper.

**Publications I: Yearbook****Grades 10, 11, 12; 1 Year Elective****RECOMMENDATION COURSE**

Course is dedicated to producing documentation of the full academic and extracurricular events in student life in the form of a yearbook publication. Hands-on instruction includes design, photojournalism, writing, sales, marketing, advertising, collaboration with publishing company, and using online publishing software. Students must have strong organizational and writing skills as meeting deadlines is essential.

**Publications II: Yearbook****Grades 11, 12; 1 Year Elective****RECOMMENDATION COURSE****Pre-requisite: Publications I (Yearbook/Newspaper)**

An extension of the skills and theory learned in Publications I (Yearbook). With added responsibilities in leadership in the form of editors of various components: business editor, copy editor, photography editor, advertising editor, and more. Students are challenged with organizing not only their assignments, but taking on the leadership role in managing the class in a real-world publication business practice.

**Speech I****Grades 9, 10, 11, 12; 1 Year Elective****Recommended: "C" average in English**

This course will provide the fundamentals of oral communication. It will instill within the student an understanding of the various facets of public speaking and give the student practice in gaining valuable speaking skills. The student will also learn the importance of nonverbal communication in expressing one's ideas. The course will offer practical experience in the following types of speeches: 1) informative, 2) descriptive, 3) entertainment, 4) demonstration, 5) impromptu (such as introductions, presentation and acceptance of awards), 6) interview, 7) advertisement, 8) panel discussion.

**FOREIGN LANGUAGES:****ASL I****Grades 10, 11, 12; 1 Year Elective****RECOMMENDATION COURSE**

This course covers basic conversation, sentence structure and the use of regular and irregular verbs in the present and past tense. Signing skills are stressed throughout the course, but reading, writing and translation are also important. The students will also be introduced to the history of Deaf culture.

**French I****Grades 10, 11, 12; 1 Year Elective****RECOMMENDATION COURSE****Recommended: A “C” or better average in English is recommended.**

This introductory course covers basic conversation, vocabulary, listening, speaking, reading, writing, and translating skills are emphasized.

**French II****Grades 11, 12; 1 Year Elective****RECOMMENDATION COURSE****Must have successfully completed French I with an overall “C” average or better.**

Although this course begins with a review of French I, the purpose of French II is to expand the student’s knowledge of vocabulary and grammar. Additionally, students will read literature and continue the study of culture.

**French III****Grades 11, 12; 1 Year Elective****RECOMMENDATION COURSE****An overall “C” average or better in French I & II is required.**

This course is taught in combination with French IV. The students will study French countries and cultures through literature, films, music and art. Emphasis will be on conversational skills, and vocabulary and advanced grammar.

**French IV****Grades 11, 12; 1 Year Elective****RECOMMENDATION COURSE****An overall “C” average or better in French III is required.**

This course is taught in combination with French III. The students will study French countries and cultures through literature, films, music and art. Emphasis will be on conversational skills, and vocabulary and advanced grammar.

**Spanish I****Grades 10, 11, 12; 1 Year Elective****RECOMMENDATION COURSE****Recommended: A “C” or better average in English is recommended.**

This introductory course covers basic conversation, vocabulary, grammar, and culture of the Spanish-speaking world. Listening, speaking, reading, writing, and translating skills are emphasized.

**Spanish II****Grades 9, 10, 11, 12; 1 Year Elective****RECOMMENDATION COURSE****9<sup>th</sup> grade students registering for this course must have successfully completed Spanish I in jr. high and received high school credit for Spanish I.**

Although this course begins with a review of Spanish I, the purpose of Spanish II is to expand the student’s knowledge of vocabulary and grammar. Additionally, students will read literature and continue the study of culture

**Spanish III: Online Dual Enrollment****Grades 11, 12; 1 Year Elective****RECOMMENDATION COURSE****Must have successfully completed Spanish I and II. Course is completely online and has Dual Enrollment Costs associated.**

**Spanish IV: Online Dual Enrollment**

Grades 11, 12; 1 Year Elective

**RECOMMENDATION COURSE**

Must have successfully completed Spanish I, II, and III. Course is completely online and has Dual Enrollment Costs associated.

**HEALTH & PHYSICAL EDUCATION:**

One and one-half units of Physical Education I and II, in addition to one-half unit of Health Education. All P.E. classes are co-educational and all will be separated by grade level. No more than one P.E. course may be scheduled per semester. Students may substitute two units of Naval Science Junior ROTC in place of PE and Health credits.

**Health Education**

Grade 9, 10, 11, 12; 1 Semester Course

This course focuses on giving students accurate information on the following topics: mental, emotional, personal, community and consumer health, family living, nutrition, substance use and abuse, sexually transmitted diseases, communicable and non-communicable diseases, safety and first aid. This course is designed to help students improve their *quality* of life. An emphasis is placed on decision-making skills and cooperative learning.

**Physical Education I**

Grade 9; 1 Year Course

This course is designed to expose every student to activities useful as lifetime recreational pursuits or as a continuing fitness aid. The course consists of the following required units: flag football, softball, physical fitness, track and field, golf and a minimum of one elective team sport.

**Physical Education II**

Grade 10, 11, 12; 1 Semester Course

This course focuses on preparing individuals for a participatory role in a wide variety of sports and leisure activities important in achieving and maintaining a healthy lifestyle. Units in physical fitness, volleyball, archery, tennis, and an elective team sport are required in this course.

**PE III and IV**Grades 11, 12; Only for 7<sup>th</sup> hour sports teams

In this course total physical fitness will be emphasized.

**HEALTH SCIENCE:****First Responder: Regular, Dual Enrollment**

Grades 11, 12; 1 year elective – Certification fee of \$10.00

**RECOMMENDATION COURSE**

**Prerequisite: Biology, Must be age 16 with 2.0 GPA and good attendance record.**

**Students age 18 or older at end of course must provide an FBI background check for certification.**

This class provides training for those most likely to be the initial responder to a sudden illness or injury. It is the first level of the EMS system and is required before students can take an EMT Basic course. Upon successful completion of the course, students will receive certification from the State of Louisiana Bureau of EMS. **First Responder can be dual enrolled with Nunez Community College for 3 credit hours (TOPS Tech eligible).**

**Health Science I Occupations**

Grade 10, 11; 1 Year Elective

**RECOMMENDATION COURSE**

This course provides an introduction to medical occupations and professions. Various health careers are investigated. Activities include on-site visits to area health facilities, guest speakers, some hands-on skill development and participation in the Adopt-A-Grandparent program and initial assignments for career workplace portfolio assessment.



**Health Science II Medical Terminology: Regular, Dual Enrollment****Grade 11, 12; 1 Year Elective****RECOMMENDATION COURSE****Prerequisites: Successful completion of Health Science I.**

This course emphasizes terminology used in the health occupations. Medical terminology is required by many degrees and certificate programs and could benefit anyone interested in the medical field. Three or six hours of college credit may be earned. A "C" must be earned in this course in order to advance to Allied Health Internship. **Health Science II can be dual enrolled with Nunez Community College for 3 credit hours each semester (TOPS Tech eligible).**

**HOSPITALITY AND TOURISM:****Advanced Nutrition and Food****Grades 9, 10, 11, 12; 1 Semester Elective, Lab Fee of \$10.00****RECOMMENDATION COURSE****Prerequisite: Successful completion of Nutrition and Food and teacher recommendation.**

This course includes diet analysis and special nutrition concerns, as well as cake decorating, meats, foreign foods, yeast breads, and student demonstrations.

**Nutrition and Food****Grades 9, 10, 11, 12; 1 Semester Elective, Lab Fee of \$10.00.**

This elective course includes the study of foods and nutritional content, menu planning, proper kitchen equipment, sanitation, safety, and basic food preparation.

**ProStart I: Regular, Dual Enrollment****Grade 10, 11, 12; 2 credit class, 1 Year Elective, Lab Fee of \$10.00 per semester****RECOMMENDATION COURSE****Prerequisite: Nutrition and Food and Advanced Nutrition and Food**

Developed by the National Restaurant Association, ProStart I is the required course to be taken during the second year of the Culinary Arts Academy. Focus is on the fundamentals of professional food preparation.

**ProStart II****Grade 12; 1 Year Elective, Lab Fee of \$10.00 per semester****RECOMMENDATION COURSE****Prerequisite: ProStart I**

Focuses on professional food preparation. After a 400-hour internship and EOC exam. they may receive 2 credits and are eligible for scholarships.

**LAW & PUBLIC SERVICE:****Business Law****Grade 10, 11, 12; 1 Year Elective**

This year long introductory course covers issues of business and personal law. Students will explore important topics on the business law side which includes sales, bailments, credit, and negotiable instruments. Students will explore personal legal issues such as juvenile justice, Supreme Court rulings, consumer laws, family law and individual laws and liberty.

**Criminal Justice****Grades 10, 11, 12, 1 Year Elective**

The criminal justice course provides students with a basic understanding of the nature of crime. Students are introduced to both the theory and real world situations involving the criminal justice system. The course covers crime and punishments, rehabilitation, criminal behavior, law enforcement, and court procedures. The criminal justice course provides a strong foundation for advance study or entry into a variety of criminal justice occupations.

**MUSIC-INSTRUMENTAL:****Band:****Beginner Band****Grades 9, 10, 11, 12, 1 Semester Elective****RECOMMENDATION COURSE**

This is a band class for students who have never played a band instrument before or not for a few years. This performance class will help students who hope to join the Slidell High School Marching Tigers choose an instrument and learn to play it and read music. Beginning Band class is a co-curricular course, both academic and extra-curricular. This means that participation at after school rehearsals and performances is a part of the requirements for the class.

**Brass****Grades 9, 10, 11, 12; 1 Year Elective****RECOMMENDATION COURSE**

This is a band class for all brass instruments including trumpet, French horn, trombone, baritone and tuba. This performance class will develop the technical and musical skills necessary to play brass instruments at a high level. Brass class is a co-curricular course, both academic and extra-curricular. This means that participation at after school rehearsals and performances is a part of the requirements for the class.

**Colorguard (must try out for this team)****Grades 9, 10, 11, 12; 1 Year Elective**

Auditions are required for this class designed for students who wish to be a part of the Slidell High Color Guard and flag team. This performance class will develop dance and equipment skills to dance and spin equipment at a high level. Color Guard class is a co-curricular course, both academic and extra-curricular. This means that participation at after school rehearsals and performances is a part of the requirements for the class.

**Fine Arts Survey – Music****Grades 9, 10, 11, 12; 1 Semester Elective**

This course is a non-technical introduction to various facets of music; basic terms and concepts; and personalities and history of music and dance. This course partially fulfills the requirements of the TOPS Scholarship. It should be taken opposite Fine Arts Survey - Art.

**Guitar****Grades 9, 10, 11, 12; 1 Year Elective**

This course is open to any student with no previous guitar experience.

**Percussion****Grades 9, 10, 11, 12; 1 Year Elective****RECOMMENDATION COURSE**

This is a band class for all drummers and percussionists. This performance class will develop the technical and musical skills necessary to play drums and percussion instruments at a high level. Percussion class is a co-curricular course, both academic and extra-curricular. This means that participation at after school rehearsals and performances is a part of the requirements for the class.

**Woodwind****Grades 9, 10, 11, 12; 1 Year Elective****RECOMMENDATION COURSE**

This is a band class for all woodwind instruments including flute, clarinet, saxophone, oboe and bassoon. This performance class will develop the technical and musical skills necessary to play woodwind instruments at a high level. Woodwind class is a co-curricular course, both academic and extra-curricular. This means that participation at after school rehearsals and performances is a part of the requirements for the class.

**Piano****Grades 9, 10, 11, 12; 1 Year Elective**

This course is open to any student with no previous keyboard/piano experience. The course introduces students to the piano. Students study beginning melodies, chord structures, key signatures and beginning music theory.

**Music Talented:****Music I Talented****Music II Talented****Music III Talented****Grades 9, 10, 11, 12; 1 Year Elective****RECOMMENDATION COURSE****Requires prior screening**

**Admission to the above courses for talented students is through a prescribed selection process. See your guidance counselor for more information.**

**MUSIC – VOCAL:****Advanced Chorus****Grades 9, 10, 11, 12; 1 Year Elective****Prerequisite: Audition and Teacher Recommendation**

Auditions are required for this course designed for advanced students who read music and possess good choral voices. The course develops sight reading skills in vocal and ensemble work. This group performs frequently and participates in state and local events, requiring rehearsals outside of school hours. Heavy demands are put on students' time. A student may not earn more than four units in Advanced Chorus.

**Beginning Choir****Grades 9, 10, 11, 12; 1 Semester Elective**

Students will learn vocal technique, choral literature, and sight reading. Students are also required to perform in four major concerts.

**Small Vocal Ensemble****Grades 11, 12; 1<sup>st</sup> Semester Elective****RECOMMENDATION COURSE**

Auditions are required for this course. Students will perform literature including jazz, Broadway, and pop music with choreography. The class will perform at school concerts, as well as concerts in the community.

**NAVAL SCIENCE JUNIOR ROTC:**

Naval Science Junior ROTC, courses are an interesting and rewarding way to earn elective or physical education credit. Academic work is accompanied by practical leadership and personal development opportunities. There is no obligation incurred, either to continue the program at Slidell High or to be involved in the US military in any way after graduation. Opportunities for school and community service, interesting field trips, leadership positions, personal recognition, and numerous extra-curricular activities are all available. A uniform is provided without cost and is worn once a week. Completion of the course makes students eligible for advance standing should they choose to enter any military service, and significant assistance is given to those students interested in fully paid college scholarships or service academy appointments.

**JROTC Naval Science I****Grades 9, 10, 11, 12; 1 Year Elective (or alternative course to P.E.I)****Prerequisite: Physically able to participate fully in P.E.; good conduct; project a presentable appearance in uniform.**

Naval Science I is an introductory course that stresses military drill as well as military customs and courtesies during the first semester. The history of the JROTC program, leadership, and basic information regarding navy ships and aircraft is taught during the second semester. In addition, citizenship and the foundations of our government with emphasis on our American way of life will be introduced. Most general expenses associated with activities and field trips are taken care of by unit fund-raising activities.

The course may be taken as a substitute for P.E.I and satisfies state graduation requirements for that subject.

**JROTC Naval Science II****Grades 10, 11, 12; 1 Year Elective (or alternative course to P.E.II)****RECOMMENDATION COURSE****Prerequisites: Naval Science I and approval of the Naval Science Instructor.**

Naval Science II includes topics involving extensive looks at Maritime History focusing on the role of the U.S. Navy in American History. Topics in the Nautical Sciences are also studied, including maritime geography, oceanography, meteorology, and astronomy. Additional lessons/topics in leadership are also taught. Advanced field trips are scheduled where possible and students remain eligible for all extracurricular activities mentioned in Naval Science I. **Students taking Naval Science I and II fulfill the Health Education requirement for graduation.**

**JROTC Naval Science III****Grades 11, 12; 1 Year Elective****RECOMMENDATION CLASS****Prerequisites: Naval Science I and II, and approval of the Naval Science Instructor.**

Naval Science III involves advanced instruction in leadership and covers a wide range of topics dealing with Naval Knowledge and Skills. Included in this is a study of Sea Power and National Security, military and international law, ship construction and organization, and seamanship. Topics in navigation, Rules of the Nautical Road and Naval Weapons are also explored. Field trips are scheduled to coincide with topics taught in the classroom.

**SCIENCE ELECTIVE:****Robotics****Grades 10, 11, 12; 1 year elective****Recommendation Course - Science or Math teacher recommendation required****Prerequisite: Algebra I**

This course provides students with a, hands-on, project-based approach to STEM concepts. Students work solo or in teams to design, build, and troubleshoot solutions to problems. These solutions frequently involve building electrical circuits controlled by an Arduino compatible micro-controller. Students obtain and apply knowledge in physics, electricity, electronics, programming (C++ and C#), and engineering ethics. Since this course is semi-autonomous in pace and learning style, it is best suited for students with relatively strong initiative.

**SOCIAL STUDIES ELECTIVES:****Psychology DE Online****Grades 11, 12; 1 Semester Elective**

An introduction to basic concepts, this course includes the study of the scientific method, life span development, biopsychology, learning, and emotion. **Dual enrolled with Nunez Community College for 3 credit hours (Course fee per semester).**

**Sociology****Grades 11, 12; 1 Year Elective**

In this course, students learn the basic sociological fundamentals and applications at work in historic and contemporary society. Students examine and discuss issues such as racial and ethnic heritage and relations, social problems, religion, social status, and variation of social norms. Basics of social research will be explored.

**Sociology DE Online****Grades 11, 12; 1 Semester Elective**

In this course, students realize the basic sociological fundamentals and applications at work in historic and contemporary society. Students examine and discuss issues such as racial and ethnic heritage and relations, social problems, religion, social status, and variation of social norms. Basics of social research will be explored. **Dual enrolled with Nunez Community College for 3 credit hours (Course fee per semester).**

**TALENTED THEATER:****Talented Theater****RECOMMENDATION COURSE****Talented Theater I****Talented Theater II****Talented Theater III****Grades 9, 10, 11, 12; 1 Year Elective****Requires prior screening**

**Admission to the above courses for talented students is through a prescribed selection process. See your guidance counselor for more information.**

**TECHNOLOGY EDUCATION:****Advanced Technical Drafting****Grades 11, 12; 1 Year Elective****RECOMMENDATION COURSE****Prerequisites: Drafting I & II**

This computer-assisted drafting course is designed for the student who already possesses a good working knowledge of conventional, board drafting techniques and standards. The course is designed to guide students through the entire AutoCAD 2009 command structure while applying AutoCAD 2009 functions. The student will acquire the knowledge of basic concepts and principles of CAD and CAD station and the application of this method to real world drawings

**Advanced Woods****Grades 10, 11, 12; 1 Year Elective****Prerequisite: Successful completion of Woods with a "C" average or better.****RECOMMENDATION COURSE**

This course involves the technical aspects of woodworking involving both hand and machine tool processes.

**Architectural Drafting****Grades 10, 11, 12; 1 Year Elective****RECOMMENDATION COURSE****Recommended: Successful completion of CAD with a "C" average or better.**

This course involves the study of architectural drafting techniques and identifying the steps in planning a residence. They will identify the characteristics which affect building design and for developing a preliminary residential sketch using 3D CADD.

**AutoTech I****Grades 11, 12; 1 Year Elective****Must Have Transportation to Alternative Site**

This course is the first year of a two year ASE Automotive Technology classroom/shop experience program that covers the competencies and knowledge necessary for an individual to master basic automotive skills, select and safely use power tools, jacks, and hoisting equipment, and earn entry level certifications in steering and suspensions, brakes, electrical, and engine performance. This course requires dual enrollment with Northshore Technical Community College. Students will receive both high school and college credit. Students will have the opportunity to receive an Automotive Excellence Certification (ASE).

**Basic Technical Drafting I: Regular, Dual Enrollment****Grades 10, 11, 12; 1 Year Elective**

This course involves the study of the technical elements of drafting. During 1<sup>st</sup> semester the student will gain a working knowledge of identifying and applying the use of drafting instruments and equipment. During 2<sup>nd</sup> semester the student will acquire the knowledge and application of pattern development, working drawings, design, an introduction to architectural drafting, and computer-aided drafting. **This course may be taken as a substitute for Art I or Fine Art Survey and satisfies state graduation requirements for this subject.**

**Basic Wood****Grades 9, 10, 11, 12; 1 Year Elective**

Fee varies based on student project. This is a basic woodworking course introducing the use of hand tools and power tools, emphasizing construction procedures and processes through theory and application. Emphasis is placed on shop safety. Students will construct individual projects.

**NCCER Core****Grades 11, 12; 1 Year Elective****Required Course prerequisite of NCCER Carpentry.**

Includes nine integral units for building foundation skills in construction; it also provides the tools necessary for achieving workplace success. This curriculum has been aligned to modules as endorsed by the National Center for Construction Education and Research (NCCER). Students, who study this curriculum and successfully pass these tests will be certified to the NCCER by the instructor and will receive documentation from NCCER. This certification is required for the student to move forward to achieve certification in other areas of the construction family.

**NCCER Carpentry****Grades 11, 12; 1 Year Elective****Prerequisite: NCCER Core**

This is a basic woodworking course. It includes the basic use of hand tools, emphasizing construction procedures and processes through theory and application. Emphasis is placed on shop safety.

**Welding I**

**Grades 11, 12; 1 Year Elective**

**Must Have Transportation to Alternative Site**

An introduction to acceptable safety practices and basic rigging. Students are introduced to hand and power tools and math related to welding. Instruction includes welding safety, base metal preparation, welding quality, Oxyfuel cutting techniques and Shielded Metal Arc Welding techniques. This is a combination of class activities and lab work. Students will work towards NCCER Welding I certification.

**TRIAL SCHEDULE**

<b>1<sup>st</sup> Semester</b>		<b>2<sup>nd</sup> Semester</b>	
<b>Course</b>	<b>(Rec. Course)</b>	<b>Course</b>	<b>(Rec. Course)</b>

**Alternate Courses**

**Alternate Courses**

<b>1<sup>st</sup> Semester</b>		<b>2<sup>nd</sup> Semester</b>	
<b>1<sup>st</sup> Choice</b>		<b>1<sup>st</sup> Choice</b>	
<b>2<sup>nd</sup> Choice</b>		<b>2<sup>nd</sup> Choice</b>	
<b>3<sup>rd</sup> Choice</b>		<b>3<sup>rd</sup> Choice</b>	