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## Registration Procedure

The course selection process is generally student-directed, but parent involvement is important. Parents and students should read this booklet in its entirety and discuss the students' plans for the future and how they relate to the courses they wish to take. Students are advised to discuss college and career aspirations and any resulting course requirements with their counselor. We urge parents and students to discuss course selections in relation to the students' academic goals and talents.

To complete registration for the 2017-2018 school year:

- Using Plus Portals, students select the courses they want to take based on their teachers' recommendations, their college and career aspirations, and their personal interests. We encourage all students to consult with their parents as they complete this process.
- As necessary, counselors meet with students who have questions or concerns regarding course selections or in cases where there is a discrepancy between a student's selections and her teachers' recommendations.
- Students receive a list of the course selections that have been officially entered into the school's database. Students then have the opportunity to discuss and make any corrections or changes with their guidance counselors.
- Tuition is guaranteed for four years and will not increase through senior year (see p.3).

Questions regarding course selections should be directed to the Guidance Office at 410-732-6200: Mrs. McIntyre, ext. 228 or Mr. Sposato, ext. 229.

For questions concerning fees, payment schedules, or financial aid, call the Business Office, ext. 226.

Course offerings are subject to change upon notice and are dependent upon sufficient course enrollment. Course offerings are not guaranteed by their publication in this document.

### Tuition and Fees

#### School Year 2017-2018

<u>Tuition:</u> Grade 9	\$14,600 (Fixed through 2021)
Grade 10	\$14,300 (Fixed through 2020)
Grade 11	\$14,300 (Fixed through 2019)
Grade 12	\$13,300

A Tuition Refund Plan is available at 2.1% of tuition and all fees and it is mandatory for the 11 month payment plan. It is optional, but encouraged, for full and semi-annual payment plans.

#### Additional Archangel Fee:

Grades 9 & 10: Full \$1,500.00

Grades 9 & 10: Partial \$1,000.00

#### Registration Fee: (non-refundable)

##### New Students:

**Registration Fee: \$150** Deadline is March 3, 2017

**Tuition Deposit: +\$500** Due at time of initial registration

##### Current Students:

**Early Registration Fee: \$150** if received in the Business Office by March 3, 2017

**Late Registration Fee: \$250** if received in the Business Office after March 3, 2017

**Technology/Activity Fee:**

**All Grades: \$1,000.00**

Includes technology maintenance and software fees, instructional materials, distance learning, yearbook, liturgies, retreats, and the warranty and licensing fees associated with the iPad computer notebooks.

**Senior Fee: \$250**

Includes retreat, transportation, Baccalaureate, and graduation expenses. This fee is in addition to the Technology/Activity Fee.

**Additional Fees:**

There are additional fees for students selecting certain AP courses. Other fees may be required for special events, trips, and other purchases.

**Payment-in-Full discount:**

Payments-in-full received by June 1<sup>st</sup> receive a 3% discount. Credit card payers or recipients of any other discounts, aid, grants, or scholarships are not eligible for this discount.

**GRADUATION REQUIREMENTS**

**Classes of 2018 through 2021**

Theology	4 credits
English	4 credits
Social Studies	3 credits
Mathematics	4 credits
Science	3 credits
World Language	2 credits
Health/Physical Education	1 credit
Visual and Performing Arts	1 credit
Technology	.5 credit
Electives	5.5 credits
Community Service	30 hours per year

The administration of Catholic High retains the right to make minor adjustments in credit requirements for graduation in situations where a student's accomplishment in a particular area may warrant it. In all cases, the requirements of the Maryland State Department of Education for Non-Public Schools will be met. The decision of The Catholic High School of Baltimore in these matters is final.

## COURSE LEVELS

**AP – Advanced Placement**

**H – Honors**

**CP – College Preparatory**

## ACADEMIC STANDARDS

Academic subjects may be offered at the College Preparatory, Honors, or AP level.

Course placement for entering students is based on transcript of grades earned and performance on standardized testing.

Course placement for current students is based on academic performance at TCHS.

Students should meet the following criteria to maintain or advance course placements into the next year, as follows:

<b>Level to Level</b>	<b>Criteria/Grade in Current Year's Course</b>
Honors to Honors or AP to AP*	B
Honors to AP	B+ and permission of department chair
CP to Honors	B+ and permission of department chair
CP to AP	Permission from the department chair and from an additional teacher in the content area.

\*Additionally, students registering for Advanced Placement courses in the History or English Departments must submit a writing sample of acceptable quality based upon an AP scoring rubric in order to be approved for enrollment in the class.

Aside from the criteria for determination of course placement, individual courses may have their own specific prerequisites. Where applicable, prerequisites are listed on the following pages under the relevant course description.

## **COURSE DESCRIPTIONS**

### **THEOLOGY**

#### **012 CP Theology Scripture and Revelation**

Grade 9

Credit 1

In the first semester of grade 9, students explore the Bible, our Sacred Scripture. Students prayerfully reflect on the Word of God in the Old and New Testament. Students grow in their knowledge of the God of Salvation History: Father, Son, and Holy Spirit.

In the second semester students consider the mystery of Jesus Christ as the ultimate revelation of the Holy Trinity. This reflection provides a context to articulate and answer their call to discipleship.

#### **022 CP Theology the Paschal Mystery of Christ and His Church**

Grade 10

Credit 1

In the first semester of grade 10, students take an in-depth course on the Paschal Mystery of Christ: His Passion, Death, Resurrection, and Ascension. Students explore some of the great mysteries of life and the profound love that our God has for us.

In the second semester, students examine the nature and mission of the Church founded by Christ and guided by the Holy Spirit. Students explore the mystery and history of the “One, Holy, Catholic, and Apostolic Church.”

### **032 CP Theology Sacraments and Morality**

Grade 11

Credit 1

In the first semester of grade 11, students closely examine the Seven Sacraments of the Catholic Church. By prayerfully reflecting on the history and elements of each Sacrament, students have the opportunity for a deeper encounter with Jesus, our ultimate Sacrament. In the second semester, the students are challenged to live out more completely the Gospel message. By exploring the moral laws, concepts, and precepts of the Catholic Christian faith, students have a greater understanding of God's universal truth. This knowledge helps students as they attempt to more fully discern God's plan for their lives.

### **041 H Theology Apologetics**

Grade 12

Credit 1

Apologetics is the careful explanation and analysis of the philosophical implications and the doctrinal content of faith as expressed in the creeds, doctrines, and theological writings of the Christian Tradition. This course is a capstone experience that draws on the theology taught in the first three years. The graduating senior then finds it possible, in the words of St. Francis to "Preach the Gospel always, and use words if necessary."

### **042 CP Theology Social Justice and World Religions**

Grade 12

Credit 1

In the first semester, students are introduced to the Church's teaching on Social Justice. The course explores the mission of the Church to serve the poor and needy. In the second semester, students examine the many Religions of the World in light of Natural and Divine Revelation. This course helps students see spiritual truths in non-Christian Religions.

## ENGLISH

### **103 CP, 104 CP Academic Cognitive Enrichment**

ACE I and ACE II

Grades 9, 10

Credit 1

As part of the Archangel Program, these courses enrich the students' academic cognitive abilities by focusing on improving academic skills, remediation, class work, study skills, time management, organizational skills, and test-taking strategies. Students participate in lessons that are devoted to improving the areas in which they need the most help.

### **111 H, 112 CP Literature/Composition and American Literature I**

Lit.Comp/Am Lit 1

Grade 9

Credit 1

Students study the prose, poetry, and drama of American literature, history, and culture from the Native Americans through Romanticism. Close reading and critical analysis help students appreciate texts and the context in which they were written. Composition stresses the development of sentences, organization of effective paragraphs, and basic resource and research skills. Students examine and write narrative and expository essays and, through planning, organizing, drafting, revising, and proofreading, students hone their writing skills. Students focus on grammar, usage, and mechanics skills with a study of sentence analysis and structure, agreement, and punctuation.

### **113 CP Literature/Composition and American Literature I**

Lit/Comp Am Lit

Grade 9

Credit 1

Students study the prose, poetry, and drama of American literature, history, and culture from the Native Americans through Romanticism. Students participate in an in-depth study of the fundamentals of composition, grammar, sentence structure, paragraph development,



and vocabulary while writing narrative and expository essays. Individual instruction, tutoring, and small class size enable students to challenge themselves and find comfort in the learning environment.

### **121 H, 122 CP Literature/Composition and American Literature II**

Lit/Comp Am Lit 2

Grade 10

Credit 1

Students continue the study of prose, poetry, and drama of American literature, history, and culture from the Civil War to contemporary literature. Students become more proficient in composition by analyzing essays, focusing on content, structure, organization, style, word choice, and tone. In addition to writing expository and narrative essays, students learn to write a persuasive speech. Students expand their knowledge of grammar, usage, and mechanics while applying learned skills to all writing.

### **123 CP Literature/Composition and American Literature II**

Lit/Comp Am Lit 2

Grade 10

Credit 1

Students study the prose, poetry, and drama of American literature, history, and culture from the Civil War to contemporary literature. Students continue their study of composition, grammar, sentence structure, paragraph development, and vocabulary while writing narrative, expository, and descriptive essays. Individual instruction, tutoring, and small class sizes enable students to continue to challenge themselves and find comfort in the learning environment.

### **141 H, 142 CP World Literature and Composition I**

Wld Lit/Comp 11

Grade 11

Credit 1

World Lit and Composition I is the study of selected prose, poetry, and drama of Western and non-Western literary heritages and traditions in relation to their historical and cultural contexts from approximately

3000 B.C. to approximately 1650. Literary techniques and terms are also studied so that students can more fully appreciate the formal and artistic qualities of the literature. Students begin the first phase of a research project that culminates in their senior year. Emphasis is placed on prewriting techniques, strategies in conducting print and online research, and completing an annotated bibliography.

### **145 H, 146 CP World Literature and Composition II**

Wld Lit/Comp 12

Grade 12

Credit 1

World Lit and Composition II is the study of selected prose, poetry, and drama of Western and non-Western literary heritages and traditions in relation to their historical and cultural contexts from approximately 1650 to the present. Literary techniques and terms are studied so that students can more fully appreciate the formal and artistic qualities of the literature. Students begin the second phase of a research project that began in their junior year. Emphasis is placed on drafting, revision, peer review, and writing the final paper. The research-based capstone culminates with students presenting their research to classmates and faculty.

### **148 AP English Language and Composition**

Eng Lang/Comp

Grade 11

Credit 1

AP English Language and Composition is an introductory college-level course that prepares students for the AP English Language and Composition Exam. In this course, students study and carefully analyze a broad range of prose, poetry, and drama of Western and non-Western literary heritages and traditions in relation to their historical and cultural contexts from approximately 3000 B.C. to approximately 1650. Through close reading and frequent writing, students develop their ability to work with language and text with a greater awareness of purpose and strategy, while strengthening their own composing abilities. Literary techniques and terms are also studied so that students can more fully appreciate the formal and artistic qualities of the literature. Students begin the first phase of a research project that

culminates in their senior year. Emphasis is placed on prewriting techniques, strategies in conducting print and online research, and completing an annotated bibliography.

**PREREQUISITE:**

An AP Test fee applies; See Academic Standards for course placement criteria.

**149 AP English Literature and Composition**

Eng Lit/Comp

Grade 12

Credit 1

AP English Language and Composition is an introductory college-level course that prepares students for the AP English Literature and Composition Exam. In this course, students study and carefully analyze a broad range of prose, poetry, and drama of Western and non-Western literary heritages and traditions in relation to their historical and cultural contexts from approximately 1650 to the present. Through close reading and critical analysis of imaginative literature, students deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. Students begin the second phase of a research project that began in their junior year with emphasis placed on drafting, revision, peer review, writing, and presenting their final project.

**PREREQUISITE:**

An AP Test fee applies; See Academic Standards for course placement criteria.

**170 CP Literature and Film**

Lit Film

Grades 11 and 12

Credit 1

This course examines the interaction of film and literary texts, and the qualities of each. Students read and discuss several American, European, and Asian literary works, and then view the film adaptations of these works. Students also become acquainted with the history of

film and well-versed in using the terms and concepts of analyzing film and literature. Written and oral responses to both literary works and their film counterparts are important components of this class.

## **SOCIAL STUDIES**

### **211 H, 212 CP, 213 CP World Civilizations**

#### **World Civ**

Grade 9

Credit 1

This course covers the study of major cultural, economic, political, and social events from ancient times through the Renaissance, as well as the geographical settings in which they occurred. Students investigate the rise and fall of empires and the development of nation states. A correlation is made between past events and the modern world. Emphasis is placed on critical thinking, deductive reasoning, independent research, writing skills, and primary sources.

### **221 H, 222 CP, 223 CP United States History**

#### **US History**

Grade 10

Credit 1

This course is an integrated survey of the development of our nation and it examines the historical, political, social, religious, constitutional, and geographic aspects of the United States, emphasizing research skills, critical thinking, and deductive reasoning. Writing and other independent work is expected of each student.

#### **PREREQUISITE:**

Successful completion of World Civilizations 1

### **230 AP Government**

AP Govt

Grades 11 and 12

Credit 1

This course includes the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. Students become acquainted with a variety of theoretical perspectives and explanations for various behaviors and outcomes. Upon completion of this course, students are prepared to take the Advanced Placement Exam in Government and Politics.

#### **PREREQUISITE:**

See page 5

AP test fee may apply

### **231 H, 232 CP United States Government**

US Govt 11

Grade 11

Credit 1

This course looks at the English origins of our federal, state, and local governments. An examination is made of the what, how, and why of the changes that have occurred in the formation of our present American system of government. Students evaluate how our government works through participation in real world applications and simulations that help to analyze different aspects of democracy. Being a good citizen and an effective member of a participating democracy is stressed throughout the course. Students learn independent research, critical thinking, in-depth writing, and constitutional development.

#### **PREREQUISITE:**

Successful completion of US History and recommendation of teacher

### **236 CP Maryland History**

MD History

Grades 11 and 12

Credit .05

Students examine the rich history of the state of Maryland from its founding in 1634 to the present. The class focuses around the

overarching social themes of economics, politics, and class as they apply to major historical time periods. Topics covered include Maryland's role as tobacco colony, in revolutionary, civil, and world wars, as well as during the civil rights movement. The history of the city of Baltimore is also a major topic of the course. This course relies heavily on primary source document analysis.

## **245 AP United States History**

AP US History

Grade 10

Credit 1

This course is an integrated survey of the development of our nation. Students examine the historical, political, social, religious, constitutional, and geographic aspects of the United States. Students develop independent research skills, as well as critical thinking, and deductive reasoning through primary and secondary sources. This course involves extensive writing and other independent work. Upon successful completion of this course, students are prepared to take the Advanced Placement U. S. History Exam.

### **PREREQUISITE:**

See page 5

AP test fee may apply

## **251 Abnormal Psychology**

*(Offered online through Anne Arundel Community College)*

Grades 11 and 12

Credit 0.5 high school credits (TCHS)

3 college credit hours (AACC)

Students learn about mental disorders, including an examination of causes, symptoms, treatment, and management. They study anxiety disorders, mood disorders, personality disorders, and schizophrenia. Students explore problems in the field of abnormal psychology and discuss current attempts to solve them.

### **PREREQUISITE:**

Successful completion of course 253 Introduction to Psychology

Anne Arundel Community College tuition applies to this course.

(This is not an AP class, but quality points are assigned at the AP level)

**253 Introduction to Psychology (College Psychology)**  
***(Offered online through Anne Arundel Community College)***

Grades 11 and 12

Credit 0.5 high school credits (TCHS)

3 college credit hours (AACC)

Students explore major psychological theories and concepts and related current research findings. Topics include learning, psychological bases of behavior, motivation and emotions, human development, personality, and abnormal behavior.

**PREREQUISITE:**

Anne Arundel Community College tuition applies to this course.

SAT reading score of 500 and math score of 500 **OR** ACT english score of 18 and math score of 21 **OR** successful Accuplacer Assessment (see guidance office for details)

(This is not an AP class, but quality points are assigned at the AP level)

**270 Introduction to Sociology**  
***(Offered online through Anne Arundel Community College)***

Grade 11 and 12

Credit 0.5 high school credits (TCHS)

3 college credit hours (AACC)

Students learn sociological principles and perspectives as a way of understanding everyday social life. They study meanings and functions of various roles in historical and contemporary societies. Students evaluate causes, consequences, and comparisons of social hierarchies.

**PREREQUISITE:**

Anne Arundel Community College tuition applies to this course.

SAT reading score of 500 and math score of 500 **OR** ACT english score of 18 and math score of 21 **OR** successful Accuplacer Assessment (see guidance office for details)

(This is not an AP class, but quality points are assigned at the AP level)

**275 H Anti-Semitism and the Holocaust** (Semester 1)

**276 H Twentieth/Twenty-First Century United States** (Semester 2)

Grade 11 and 12

Credit 1

In Semester 1, this Social Studies elective course explores the history of Anti-Semitism, and the events leading to the Holocaust. It also analyzes current Anti-Semitism in the world. This course is designed to break down barriers between the Catholic and Jewish faiths. Students are expected to analyze primary and secondary sources and to rely on research, deductive reasoning, and writing skills.

In Semester 2, this course surveys the 20<sup>th</sup> and 21<sup>st</sup> century in United States History. It covers topics such as World War I, World War II, the Cold War, the Vietnam War, the war on terrorism, and their effects on society and the nation, as well as the many cultural and economic changes of the times. Emphasis is placed on critical thinking, independent research, deductive reasoning, and writing skills.

**PREREQUISITES:**

Sequential enrollment in course 275 H and 276 H required

Successful completion of U.S. History, and recommendation of department chairperson

## SCIENCE

### Biomedical Program

In an effort to reach as many students as possible, the Biomedical Program classes are taught at a variety of levels. Students are encouraged to tailor classes to their interests and abilities by taking courses that fall within the scope of biomedical science (see below). **Students need to take at least 5 science classes from the approved sequence.** Please note that **Bioethics is mandatory** for all Biomed students to graduate from the program as the Senior Capstone Project is embedded within it.



<b>Options 9<sup>th</sup> Grade</b>	<b>Options 10<sup>th</sup> Grade</b>	<b>Options 11<sup>th</sup> Grade</b>	<b>Options 12<sup>th</sup> Grade</b>
325 CP Biomedical Biology	335 CP Biomedical Chemistry	384 CP Epidemiology	309 H or 310 CP Bioethics
320 H H Biology	331 H Chemistry	336 CP Biotechnology	336 CP Biotechnology
323 CP Biology	333 CP Practical Chemistry	351 H or 352 CP Human Anatomy & Physiology	328 H Anatomy & Physiology II
	384 CP Epidemiology	330 AP Chemistry	351 H or 352 CP Human Anatomy & Physiology
			356 AP Biology
			330 AP Chemistry

### **309 H, 310 CP Bioethics**

Bioethics  
Grade 12  
Credit 1

This course is a capstone for the Biomedical Program and is mandatory during senior year in order to graduate from the TCHS Biomedical Program. Introduction to Bioethics explores some of the most difficult and fascinating moral challenges we face in health, medicine, and emerging technologies. Throughout, the focus is on moral questions regarding how decisions in these domains are made. This course is modeled after a course taught at the Kennedy School of Ethics, Georgetown University. The Senior Capstone project preparation and presentation are embedded within this class.

#### **PREREQUISITE:**

Must be enrolled in the Biomedical Program and have completed at least 3 classes under the Biomedical umbrella of classes prior to the senior year.

See page 5 for other prerequisites

### **320 H Honors Biology**

H Biology

Grade 9

Credit 1

Students are introduced to the central concepts of biology, including topics such as the chemical basis of life, the structure of the cell, ecological relationships, principles of genetics, and the evolutionary processes that link the earth's diverse organisms. Laboratory activities are a key part of the course and reinforce the conceptual framework developed in the classroom.

#### **PREREQUISITE:**

Concurrent placement in Algebra 2 or Honors Geometry  
Placement is based on HSPT and elementary / middle school transcripts or permission of instructor.

### **322 CP, 323 CP Biology - College Prep**

CP Biology

Grade 9

Credit 1

This course examines the scientific method, inquiry, scientific ways of knowing, biodiversity, chemical and cellular basis of life, unity and diversity of plant and animal life, and the studies of the origin of life.

### **325 CP Biomedical Biology**

Biomed Biology

Grade 9

Credit 1

This is the introduction to the Biomedical Program and replaces the Biology credit. In this class, students study biology topics such as scientific method and inquiry, the chemical and cellular basis of life, genetics, evolution, and ecology within the framework of the biomedical field.

#### **PREREQUISITE:**

Must be enrolled in the Biomedical Program

### **328 H Anatomy & Physiology II**

Anat. & Phys. 2

Grade 12

Credit 1

Students survey topics in human anatomy and physiology, including several organ systems not covered in Anatomy 1. Students study structures and functions with an eye toward homeostasis along with imbalances and subsequent disease. Lab work includes dissections. Research into diseases are highlighted for each system.

#### **PREREQUISITE:**

B or above in Anatomy 1

See page 5 for other prerequisites

### **330 AP Chemistry**

AP Chemistry

Grades 11 and 12

Credit 1

This AP course enables students to develop advanced inquiry and reasoning skills, such as designing a plan for collecting data, applying mathematical routines, and connecting concepts in and across domains. This course is equivalent to a two semester college introductory chemistry class.

#### **PREREQUISITE:**

Concurrent enrollment in Pre-Calculus or Calculus

See page 5 for other prerequisites

### **331 H, 332 CP Chemistry**

Chemistry

Grade 10

Credit 1

This course introduces students to the basic concepts of chemistry, provides laboratory experience, and teaches critical-thinking and problem-solving skills that demonstrate the relevance of chemistry to everyday life.

#### **PREREQUISITE:**

H – Concurrent placement in Alg.2 (431) or above and

See page 5 for other prerequisites

### **333 CP Practical Chemistry**

Pract Chemistry

Grade 10

Credit 1

This course introduces students to the basic concepts of chemistry, provides laboratory experiences, and teaches critical-thinking and problem-solving skills that demonstrate the relevance of chemistry to everyday life.

### **335 CP Biomedical Chemistry**

Biomed Chem

Grade 10

Credit 1

This is part of the Biomedical Program and replaces the Chemistry credit. This course introduces students to the basic concepts of Chemistry, provides laboratory experiences, teaches critical thinking, and problem-solving skills that demonstrate the relevance of chemistry to the Biomedical Field.

#### **PREREQUISITE:**

Must be enrolled in the Biomedical Program

See page 5 for other prerequisites

### **336 CP Biotechnology**

BioTech

Grade 11, 12

Credit 1

Students develop proficiency with the tools and techniques used in research and medical labs and explore the ethics associated with this rapidly progressing field. This course investigates a range of topics in biotechnology and biomedicine as well as their local and global applications and impacts. Various career opportunities are explored as well.

#### **PREREQUISITE:**

Must be enrolled in the Biomedical Program and have completed both a Biology and Chemistry credit.

See page 5 for other prerequisites

### **341 H Physics**

H Physics

Grades 11 and 12

Credit 1

This course is comparable to a first semester college physics course. Through reading, discussion, and laboratory experiments, students are introduced to a basic understanding of kinematics, dynamics, work, energy, waves, light, sound, electricity, magnetism, and quantum theory.

#### **PREREQUISITE:**

Concurrent registration in Calculus or Pre-Calculus

See page 5 for other prerequisites

### **342 H Conceptual Physics**

H Con Physics

Grade 9 STEM students

Credit 1

This is a conceptual physics course in which students study the rules that govern our physical world. The course begins with a unit on chemistry and the periodic table. Students study units on mechanics, sound and light, electricity and magnetism.

#### **PREREQUISITE:**

STEM student

### **351 H\*, 352 CP Human Anatomy & Physiology**

Anat. & Phys.

Grades 11 and 12

Credit 1

Students study the structure and function of the organ systems of the human body, including the nervous, skeletal, muscular, digestive, circulatory, and endocrine systems. Issues relating to health, medicine, and nutrition are an integral part of the course.

#### **PREREQUISITE:**

Successful completion of either Biology 320 or 322 and Chemistry 331 or 332

See page 5 for other prerequisites

\* May be taken for honors credit with approval of teacher

### **356 AP Biology**

AP Biology

Grade 12

Credits 2

In this AP course, students develop advanced inquiry and reasoning skills, such as designing a plan for collecting data, applying mathematical routines, and connecting concepts in and across domains. This course is equivalent to a two-semester college introductory biology course.

#### **PREREQUISITE:**

Honors or CP Chemistry

Algebra II

See page 5 for other prerequisites

AP test fee may apply

### **358 CP Forensic Science**

CP – Foren Science

Grades 11 and 12

Credit 1

This course is a capstone course in which students use skills in data collection and analysis, scientific problem solving, and evidence examination. Crime scene investigation is the lens through which they accomplish this task. Students study serology, DNA electrophoresis, fingerprints, document analysis, and tool mark analysis.

#### **PREREQUISITE:**

Honors Chemistry or CP Chemistry

See page 5 for other prerequisites

### **362 CP Earth Science**

CP Earth Science

Grades 11 and 12

Credit 1

This course provides an introduction to earth science through the study of topics such as geology, conservation of resources, ecology, meteorology, astronomy, plate tectonics, and human interactions with the physical elements of the earth.

#### **PREREQUISITE:**

Successful completion of Biology and Practical Chemistry

### **364 CP Astronomy**

Astronomy

Grades 10, 11, 12

Credit 1

This is a course in descriptive and conceptual astronomy. Semester 1 aims to explain the motions of the night sky, the basic tools and methods of astronomy, characteristics of the solar system, and major figures in historical astronomy are covered. We also discuss the possibilities of life on other planets. Semester 2 starts with the Sun, using it as a template to understand the stars. Then students study stellar evolution, the Milky Way Galaxy, then finally other galaxies, and the universe as a whole.

### **367 CP Environmental Science**

CP Env Science

Grades 11 and 12

Credit 1

This course is a study of the interactions of living organisms with one another and their physical environments. Students apply scientific knowledge to devise various solutions to environmental questions and issues. Topics include the human influence on weather, water quality, air quality, animal populations, erosion, and energy resources.

#### **PREREQUISITE:**

Honors Chemistry or CP Chemistry

See page 5 for other prerequisites

### **368 AP Environmental Science**

AP Env Science

Grades 11 and 12

Credit 1

Students study the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. Students identify and analyze environmental problems, both natural and human-made, to evaluate the relative risks associated with these problems and to examine alternative solutions for resolving and/ or

preventing them. Students are prepared to take the Advanced Placement Exam in environmental science.

**PREREQUISITE:**

Successful completion of Honors Biology and Honors Chemistry

See page 5 for other prerequisites

AP test fee may apply

**384 CP Epidemiology**

Epid

Grade 10, 11

Credit 1

This course introduces the basic principles and methods of epidemiology within the framework of biology, with an emphasis on critical thinking, analytical skills, and application to real-world issues. In addition, the themes of global health and social justice are infused throughout this course and address poverty, conflicts and emergencies, health inequity, health systems reforms, and major global initiatives for disease prevention and health promotion.

**PREREQUISITE:**

Must be enrolled in the Biomedical Program and have completed a Biology credit plus have completed or be concurrently enrolled in Chemistry credit.

See page 5 for other prerequisites

**PHYSICAL EDUCATION**

**712 CP Physical Education**

Phys Ed

Grade 9

Credit 0.5

The physical fitness of students is enhanced by a well-rounded physical education program that provides a variety of experiences to develop cardiovascular fitness, muscular endurance, flexibility, agility, strength, balance, coordination, and good posture.



**722 CP Physical Education/Wellness**

Phys Ed/Wellness

Grades 11 and 12

Credit 1

This course is a continuation of physical education at an advanced level of participation in individual and team sports. The topics of wellness and life-long fitness are integrated in the course. Approval of the Athletic Director is required.

**732 CP Health Education**

Health Ed

Grade 9

Credit 0.5

The focus of this course is health and wellness. The program provides educational experiences which promote health-enhancing behaviors in students' personal lifestyles. Topics include skills for leading a healthy life, lifestyle diseases, self-esteem, mental health, managing stress and coping with loss, understanding drugs and medicine, and preventing infectious diseases.

**MATHEMATICS****403 CP Algebra 1A**

CP Algebra 1A

Grade 9

Credit 1

This course is the first half of a two-year sequence for Algebra 1. Topics include patterns in algebra, sets and properties of real numbers, algebraic operations, equations, proportional reasoning, slope and the equation of a line, statistics and data analysis.

### **411 H Algebra 1**

H Algebra 1

Grade 9

Credit 1

This course offers students a solid foundation in Algebra 1. Topics include solving word problems, proportional reasoning, inequalities, absolute values, exponents, polynomials, and factoring. This course also presents topics in co-ordinate geometry, rational and irrational numbers. *Students must have a TI-83+ or TI-84 or a graphing calculator app for use in this course.*

### **412 CP Algebra 1**

CP Algebra 1

Grade 9

Credit 1

This course offers students a strong foundation in Algebra 1. Topics presented in the course include solving equations, proportional reasoning, data analysis, inequalities, absolute value, exponents, exponential functions, polynomials, and factoring. This course also includes an introduction to quadratic functions and the quadratic formula. *Students must have a TI-83+ or TI-84 series graphing calculator for use in this course.*

### **413 CP Algebra 1B**

CP Algebra 1B

Grade 10

Credit 1

This course is the second half of a two-year sequence for Algebra 1. Topics include linear functions, inequalities, absolute values, exponents, polynomials, factoring and quadratic functions, including the Quadratic Formula, and operations with rational expressions.

#### **PREREQUISITE:**

Successful completion of Algebra 1A (403)

## **420 H Honors Geometry**

H Geometry

Grade 10

Credit 1

This course emphasizes the relationship of algebra to other disciplines. A strong background in Algebra 1 is required. Topics include an introduction to logic, the study of similar and congruent triangles, polygons, parallel lines and trigonometry. The area, perimeter and volume of two-dimensional and three-dimensional objects are presented as well. This course makes use of the *Geometer's Sketchpad* computer program and features a discovery approach to geometry. *Students must have a TI-83+ or TI-84 series graphing calculator for use in this course.*

### **PREREQUISITE:**

Successful completion of Algebra 1 (412) with a B+ average or Honors Algebra 2 (431)

## **422 CP Geometry**

CP Geometry

Grade 10

Credit 1

This course offers a comprehensive geometry program that includes logic and proof, polygons, similar and congruent figures coordinate geometry, perimeter, area and volume, and circles. *Students must have a TI-83+ or TI-84 series graphing calculator for use in this course.*

### **PREREQUISITE:**

Successful completion of Algebra 1 (412) or Algebra 2 (432)

## **430 H Pre-Calculus**

H Pre-Calc

Grades 11 and 12

Credit 1

This rigorous course prepares students to take the Advanced Placement Calculus (AB) course. Topics include the study of polynomial, exponential, logarithmic and rational functions. Topics in

trigonometry and analytic geometry are also included. *Students must have a TI-83+ or TI-84 series graphing calculator for use in this course.*

**PREREQUISITE:**

Successful completion of Algebra 2 and recommendation of the Mathematics Chair

See page 5 for other prerequisites

**431 H Honors Algebra 2**

H Alg 2

Grade 9 and 11

Credit 1

This course emphasizes the relationship of Algebra to other disciplines. A strong background in Algebra 1 is required. Topics include systems of equations, quadratic functions, exponential and logarithmic functions. Polynomial, rational and radical functions will also be included. *Students must have a TI-83+ or a TI-84 series graphing calculator for use in this course.*

**432 CP Algebra 2**

CP Alg 2

Grades 11 and 12

Credit 1

This course offers a comprehensive Algebra 2 program. Topics include solving systems of equations, all types of functions (quadratic, polynomial, rational, radical, exponential and logarithmic), conic sections, sequences, and series. *Students must have a TI-83+ or TI-84 series graphing calculator for use in this course.*

**PREREQUISITE:**

Successful completion of Algebra 1

**440 AP Calculus AB**

AP Calc AB

Grade 12 (or approval of instructor)

Credit 1

This course is a continuation of the Pre-Calculus course. Students undertake a detailed study of Differential and Integral Calculus.

Students are expected to take the Advanced Placement Calculus AB exam at the end of the academic year. *Students must have a TI-83+ or TI-84 series graphing calculator for use in this course*

**PREREQUISITE:**

Completion of Pre-Calculus (430)  
See page 5 for other prerequisites  
AP test fee may apply

**441 H Calculus**

H Calc  
Grade 12  
Credit 1

This course is an honors level continuation of the Pre-Calculus course. Students undertake a detailed study of Differential and Integral Calculus. Students are not required to take the Advanced Placement exam at the end of the academic year. *Students must have a TI-83+ or TI-84 series graphing calculator for use in this course.*

**PREREQUISITE:**

Completion of Pre-Calculus (430)  
See page 5 for other prerequisites

**444 CP Advanced Functions and Statistics**

CP Adv. Funct/Stat  
Grade 12  
Credit 1

This course is designed for students who have a familiarity with basic algebraic functions. Topics include the study of quadratic, exponential, polynomial, logarithmic, and rational functions. This course also presents topics in descriptive and inferential statistics. Topics in probability are also included. *Students must have a TI-83+ or TI-84 series graphing calculator for use in this course.*

**PREREQUISITE:**

Successful completion of Math 422 and 432 or permission of Mathematics Chair

### **445 AP Calculus BC**

AP Calc BC

Grade 12 (or approval of instructor)

Credit 1

This course is for students who already have a thorough knowledge of the elementary functions. Students who study for the Advanced Placement BC course also review the AB course. Students are expected to take the Advanced Placement Calculus BC exam at the end of the academic year. *Students must have a TI-83+ or TI-84 series graphing calculator for use in this course.*

#### **PREREQUISITE:**

Completion of Calculus AB or Pre-Calculus

See page 5 for other prerequisites

AP test fee may apply

### **454 H, 455 CP Consumer Economics**

Cons Econ

Grades 11 and 12

Credit 1

This course provides students with practical knowledge, a firm understanding of the concepts of sound personal financial management, and the ability to successfully navigate through an ever-changing economic environment. Topics include an introduction to macroeconomics theory, budgeting, personal financial management, and consumer credit and financing, risk management and insurance, savings and debt management strategies, investment options and alternatives, present and future values of a dollar, and tax planning.

## **TECHNOLOGY/ENGINEERING**

### **153 CP Yearbook**

Yrbk

Grades 11 and 12

Credit 1

This course promotes skills in basic journalism, including design, journalistic writing, photography, and editing. Twenty-first century skills in collaboration, creative thinking, technical literacy, communication,

and critical thinking are also promoted. The course concludes with the completion of *The Troubadour*, the annual yearbook. All students adhere to yearbook procedures, including deadlines. Some members serve as editors, taking on a teaching role in the class. Students must be able to work after school and/or at home to meet deadlines.

**PREREQUISITE:**

B or higher in English and teacher recommendation

**521 CP Photojournalism**

Photo. Jrnl

Grade 11 and 12

Credit 1

This course introduces digital photography, web and print journalism, editing, ethics in journalism, non-fiction screenwriting, interviewing techniques, and publications. Students compose and manipulate photos using Adobe Photoshop and explore layout and design elements of print and web-based publications, and refine writing style. Students plan, create interpret and critique visual representations and carefully examine their product for publication.

**524 CP Explorations in Educational Technology**

Exp Ed Tech

Grades 9, 10

Credit 0.5

This required course focuses on developing and applying the skill set necessary to facilitate quality work in the educational endeavors of high school students. The class focuses on the Microsoft Office Suite, paying close attention to the variety of offerings that each software program has to offer. Additionally, the class explores photo editing software via Adobe Photoshop as well as music editing software via Garage Band through the use of Apple products.

### **530 H Introduction to Engineering**

H Intro to Engr

Grade 9

Credit 1

This full-year course introduces students to the world of technology and engineering, as a first step in becoming technologically literate citizens. Additionally, the course helps beginning high school students answer the question, "Why should I study math, science, and engineering?" Through this course's practical real-world connections and hands-on activities, students have an opportunity to see how science, mathematics, and engineering are part of their everyday world, and why it is important to be technologically and scientifically literate. **This course is required for those students who wish to complete the STEM Program.**

#### **PREREQUISITE:**

Enrolled in Honors Algebra 2 (431) and  
Conceptual Physics (342)

### **538 H Engineering: NASA Curriculum**

H Engr NASA

Grades 10

Credit 1

This project-based course is designed to expand the student's understanding of the world of technology and engineering. Students are exposed to different fields of engineering while completing projects as part of various sized teams. Through this course's practical real-world connections and hands-on activities, students have an opportunity to use science and mathematics to solve practical engineering challenges. **This course is required for those students who wish to complete the STEM Program.**

#### **PREREQUISITE:**

Successful completion of Honors Algebra 2 (431), Conceptual Physics (342) and Introduction to Engineering (530)



## **540 H Introduction to Computer Programming**

H- Intro Comp Prog

Grades 11 and 12

Credit 0.5

This course introduces computer programming algorithms and the structure of programs. Students design, implement, document, and test applications using Java object-oriented programming language. The basic syntax and application of additional programming languages such as C++ and JavaScript, is also discussed. **(This course is required for those students who wish to complete the STEM Program.)**

### **PREREQUISITE:**

Successful completion of Honors Algebra 2 (431), one lab-based science course and the Introduction to Engineering course

## **544 H Computer Engineering**

H Computer Engr

Grades 11 and 12

Credit 0.5

This course provides a hands-on approach to computer architecture and basic networking concepts. Students study internal hardware components for desktops, laptops, tablets, and 3D printers. Networking concepts include network topologies, network design, the 568b Ethernet wiring standard, and the TCP/IP protocol.

### **PREREQUISITE:**

Successful completion of Honors Algebra 2 (431), one lab-based science course, and the Introduction to Engineering course

## **545 H Technology Support**

H Tech. Support

Grade 12

Credit 1

This course requires students to use analytical and problem-solving skills to resolve student, faculty, and staff technical problems. Students develop troubleshooting skills to diagnose and resolve problems for

various types of computer equipment including printers, laptops, projectors, and tablets.

**PREREQUISITE:** Successful completion of Computer Engineering (544) and approval of instructor

### **550 H Senior Research Project**

H Sr Rsch Proj

Grade 12

Credit 1

The senior research project combines research with practical implementation. This course requires the student to complete all steps of the engineering design process to develop a product of her own invention or innovation from concept to market. The student makes both written and oral presentations as part of this project.

**PREREQUISITE:**

Successful completion or enrollment in all courses required to complete the STEM program and the approval of the STEM Coordinator

## **WORLD LANGUAGES**

### **611 H, 612 CP French I**

French I

Grades 9, 10, 11, 12

Credit 1

This course is an introduction to the French language and the culture of the French-speaking world. The objective of this course is to help students to develop an acceptable degree of proficiency in the four language skills: speaking, reading, listening, and writing. Cultural material is integrated into the learning process to develop an understanding and appreciation of the cultural heritage and lifestyles of the French-speaking world. A more rigorous testing and grading standard is placed on those students earning Honors credit for the course.

## **621 H, 622 CP French II**

French II

Grades 9, 10, 11, 12

Credit 1

This course strengthens and broadens the skills of listening, speaking, writing, and reading the French language acquired during French I. More complex grammatical structures and verb tenses are added to those taught during the first year of study. Students read longer texts and writing skills are further developed through guided composition. Auditory and speaking skills are developed more fully through classroom conversation and listening activities. This course continues to integrate cultural material into the learning process, expanding the students' appreciation of the cultural heritage and lifestyles of the French-speaking world. A more rigorous testing and grading standard is placed on those students earning Honors credit for this course.

### **PREREQUISITE:**

H – Must have taken Honors French 1, or have the recommendation of the TCHS French teacher

CP – must have successfully completed CP French 1

## **631 H French III**

H French III

Grades 11 and 12

Credit 1

In this course, the student continues to expand and perfect all of the language skills learned during the first two levels and to broaden the study of the rich culture of the French-speaking world. Students compose original writing in French and begin to read French literature in the original language. Conversing in French is expected of students at this level.

### **PREREQUISITE:**

See page 5 for prerequisites

## **641 H French IV**

H French IV

Grade 11 and 12

Credit 1

This course is designed for students who wish to explore the French language and culture in more depth. It provides a thorough review of French grammatical structures and verb tenses. French literature, art,

music and history are explored with increased emphasis on oral and written communication. Students are expected to work on a large variety of activities that stress verbal fluency and aural comprehension, as well as perfecting writing skills in the French language.

**PREREQUISITE:**

See page 5 for prerequisites

**651 H, 652 CP, 653 CP Spanish I**

Spanish I

Grades 9, 10, 11, 12

Credit 1

This course represents an introduction to the Spanish language and to the culture of the Spanish-speaking world. The specific objective of this course is to help each student develop an acceptable degree of basic proficiency in the four basic language skills: speaking, reading, listening, and writing. Cultural material is integrated into the learning process to enable the students to develop an understanding and appreciation of the cultural heritage and lifestyles of the Spanish-speaking world. A more rigorous testing and grading standard is placed on those students earning Honors credit for the course.

**661 H, 662 CP, 663 CP Spanish II**

Spanish II

Grades 9, 10, 11, 12

Credit 1

This course aims to strengthen and broaden the skills of listening, speaking, writing, and reading the Spanish language acquired during Spanish I. More complex grammatical structures and verb tenses are added to those taught during the first year of study. Students begin reading longer texts in Spanish and writing skills are developed through guided composition. Auditory and speaking skills are developed more fully through conversation and listening activities. This course continues to integrate cultural material into the learning process, expanding students' appreciation of the cultural heritage and lifestyles of the Spanish-speaking world. A more rigorous testing and grading

standard is placed on those students earning Honors credit for this course.

**PREREQUISITE:**

H – Must have taken Honors Spanish 1 or have the recommendation of the TCHS Spanish teacher

CP – Must have successfully completed CP Spanish 1

**671 H, 672 CP Spanish III**

Spanish III

Grades 10, 11 and 12

Credit 1

During this course, students continue to expand and perfect all the language skills learned during the first two levels and to broaden their study of the rich cultural diversity of the Spanish-speaking world. Students compose original writing in Spanish and give presentations using the target language. Significant oral participation in Spanish is expected of students at this level. Cultural readings in Spanish continue to be an integral part of this course.

**PREREQUISITE:**

See page 5 for prerequisites

**681 H Spanish IV**

H Spanish IV

Grades 11 – 12

Credit 1

This course provides a thorough review of Spanish grammatical structures and verb tenses. The study of Spanish vocabulary is

broadened with an emphasis placed on idiomatic expression. Reading about the history and culture of the Spanish-speaking world and selected readings from Spanish literature provide material for compositions and conversation in Spanish. In addition, weekly conversations in Spanish on topics of interest to the students are integrated into the course. The video program, DESTINOS, is an integral part of this course.

**PREREQUISITE:**

See page 5 for prerequisites

## **685 H Spanish V**

H Spanish V

Grades 11 – 12

Credit 1

This course is specifically designed for those students who wish to continue to master the Spanish language. The course emphasizes the use of the Spanish language for active communication while continuing to develop the basic language skills (reading, writing, and speaking) with additional emphasis made on speaking skills needed for successful communication with native speakers. The use of authentic written and aural resources allow students to increase their linguistic skills and enhance their cultural knowledge and understanding. By the end of the course, the student should have the ability to express herself coherently, resourcefully, and with reasonable fluency and accuracy in both written and spoken Spanish. Extensive training in the organization and writing of compositions in Spanish are emphasized.

### **PREREQUISITE:**

See page 5 for prerequisites

## **VISUAL AND PERFORMING ARTS**

### **McCafferty Honors Visual and Performing Arts Concentration**

TCHS offers a four year sequence in piano, visual art, band, orchestra, vocal music or theatre. The four year course of study requires graduated levels in the subject area. The following classes offered Concert Choir, Concert Band, World Art, Music Appreciation, Guitar, Piano, and Theatre may be used for the required Fine Arts credit for students not interested in the concentration.

Piano	Piano 1	Piano 2	Piano 3	Piano 4	AP Music Theory
Band	Symphon Band 1	Symphon Band 2	Symphon Band 3	Winds Ensemble	AP Music Theory
Orchestra	String Orchestra 1	String Orchestra 2	String Orchestra 3	String Orchestra 4	AP Music Theory
Choir	Concert Choir	Chamber Choir	A Cappella Choir	A Cappella Choir	AP Music Theory
Visual Art	Studio Art 1	Intermed Studio Art	Advanced Studio Art 1	Advanced Studio Art 2	AP Art
Theatre	Speech and Drama and Technical Theatre	Theatre 1 and Theatrical Dance	Women in Theatre and Film and Acting and Directing	Capstone Theatre Project	

## MUSIC

### **805 H Wind Ensemble**

Chambr Winds  
 Grades 10, 11, 12  
 Credit 1

TCHS Chamber Winds is a course designed for advanced wind and percussion students. Chamber students gain exposure to professional chamber wind literature and develop skills to achieve individual music goals, such as All-State, Honor Band, and college auditions. During concert and festival performances, the Chamber Winds join the TCHS String Orchestra to form the TCHS Symphony Orchestra. They also perform with the TCHS Symphonic Band. Extra rehearsals and performances are required as part of this course. Spring and Summer Band Camps are required for all Chamber Winds members, as well as fall and spring auditions for chair placement. Please refer to the TCHS Band Handbook for additional information.

#### **PREREQUISITE:**

Symphonic Band 1, audition and permission of the Instructor

## **806 CP String Orchestra**

String Orch

Grades 9, 10, 11, 12

Credit 1

TCHS String Orchestra provides intermediate/advanced string instruction in a class setting. Emphasis is placed on ensemble fundamentals and individual technique through the performance of string and full-orchestral literature. The TCHS Chamber Winds are added to this ensemble to form the TCHS Symphony Orchestra. The String Orchestra performs in school and community concerts, as well as MMEA Assessment and out-of-state orchestra festivals. Extra rehearsals and performances are required as part of this course. Spring and Summer Orchestra Camps are required for all String Orchestra members, in addition to fall and spring auditions for chair placement. Please refer to the TCHS Orchestra Handbook for additional information.

## **810 AP Music Theory**

AP Music Thry

Grades 10, 11 and 12

Credit 1

This advanced level course is designed to engage students in learning activities that help them to achieve the outcome assessed by the College Board's AP Music Theory exam. This course is designed to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. These abilities are developed through various listening, performance, written, creative, and analytical exercises. Although this course focuses on music of the Common Practice Period (1600-1900), materials and processes found in other styles and genres are also studied. Students are encouraged to sit for the College Board's AP Theory exam. Students who successfully complete the AP Music Theory Exam and plan to major in music in college, may be able to enroll in an advanced music theory course, depending upon the individual college's policy.

### **PREREQUISITE:**

One year of instrumental or vocal music, and permission of the instructor



### **813 CP Concert Choir**

Conc Choir

Grades 9, 10, 11, 12

Credit 1

TCHS Concert Choir is the largest vocal ensemble. This choir receives instruction in the fundamentals of singing and beginning music theory. As this is a performance-based course, rehearsals and concert performances are mandatory. The Concert Choir, with the Chamber Choir and the A Cappella, perform at the TCHS Christmas Concert and the TCHS Spring Concert. After school rehearsals are held the week prior to each concert. Additionally, some performances may be held outside of school hours and/or off-site. Choir members are expected to participate. New choir members are expected to purchase Concert Apparel.

#### **PREREQUISITE:**

Vocal audition and permission of instructor

### **814 H Chamber Choir**

Chamb Choir

Grades 10, 11, 12

Credit 1

TCHS Chamber Choir is a smaller select ensemble that focuses on repertoire of an advanced caliber which places more responsibility on the individual singer. Students continue to receive instruction in Music Theory, as well as an overview of Music History. Chamber choir shares some repertoire with Concert Choir and performs some of the larger works with them, in addition to doing community service with that group at Christmas and other engagements.

#### **PREREQUISITE:**

Audition with the director demonstrating advanced level of musicianship for assigned placement in the ensemble. Candidate must be able to read music and demonstrate vocal accomplishment.

### **816 H A Cappella Choir**

A Capella Choir

Grades 11, 12

Credit 1

TCHS A Cappella Choir is the most advanced vocal ensemble offering. Students receive advanced instruction in vocalizing.

A Cappella Choir performs four concerts annually. In addition to the concerts, the group may make guest appearances for community events and fundraisers. Singers are vocally challenged through advanced levels of singing and complex harmonies. To increase creative expression, singers are also asked to perform music with choreography. Singers learn to work in small groups (sectionals) and become leaders within the group. To increase aesthetic awareness, students are encouraged to do research for interesting multicultural choral groups and present them to the conductor. The TCHS A Cappella Choir will share some repertoire with Chamber Choir and Concert Choir.

**PREREQUISITE;**

Audition for the director demonstrating advanced level of musicianship for assigned placement in the ensemble. Candidate must be able to read music and sight sing.

**821 CP Percussion Ensemble**

Percussion  
Grades 9,10,11,12  
Credit 1

This course is designed for the development of beginner to advanced percussion students. Students develop knowledge of music reading skills, musicality, music terminology, music history, and music theory. The primary repertoire of this course is Symphonic Band and String Orchestra music, as well as music to be performed as a percussion ensemble. Students are required to prepare short solos on the various percussion instruments. Extra rehearsals and performances are required as part of this course. Spring and fall band camps are required for all percussion students, as well as fall and winter auditions for chair placement. Please refer to the TCHS Band Handbook for additional information.

**PREREQUISITE:**

Permission of the instructor

**822 CP Symphonic Band**

Symph Band  
Grades 9, 10, 11, 12  
Credit 1

TCHS Symphonic Band provides intermediate and advanced woodwind, brass, and percussion instruction in a class setting.

Emphasis is placed on ensemble fundamentals and individual technique through the performance of classical and contemporary wind band literature. The Symphonic Band performs in school and community concerts in addition to MMEA Assessment and out-of-state band festivals. Extra rehearsals and performances are required as part of this course. Spring and Summer Band Camps are required for all Symphonic Band members, as well as fall and spring auditions for chair placement. Freshmen and new members begin their studies in Symphonic Band. Please refer to the TCHS Band Handbook for additional information.

### **823 CP Piano 1**

Piano 1

Grades 9, 10, 11, 12

Credit 1

This course offers entry-level instruction in piano technique, practice habits, organizational skills, keyboard theory, sight-reading, and performance. Students are expected to develop personal discipline, including maintenance of a regular practice schedule.

### **824 CP Piano 2**

Piano 2

Grades 9, 10, 11, 12

Credit 1

This course reinforces and continues the development of technical skills, keyboard theory, sight-reading, and recital performance. Basic analysis of musical form and style are introduced and practically applied.

#### **PREREQUISITE:**

Piano 1 and/or recommendation of instructor

### **828 CP Piano 3**

### **829 CP Piano 4**

Piano 3, Piano 4

Grades 9, 10, 11, 12

Credit 1

These courses offer expansion, refinement and practical application of previously acquired skills, with emphasis on study and performance of

piano literature of all major historical periods. Opportunities for accompanying and large ensemble (orchestra, band, wind ensemble, pit orchestra) participation are available based on Instructor recommendation.

**PREREQUISITE:**

Piano 1 and 2 and/or recommendation of instructor

**826 CP Guitar I**

Guitar 1

Grades 9, 10, 11, 12

Credit 0.5

This class teaches the basic fundamentals and techniques of playing acoustic guitar including tablature, chords, fingerpicking, and music notation. Music theory, composition, and small ensemble playing are also emphasized in this course. Performance in the Christmas Concert is mandatory. Instruments are provided. Prior musical knowledge is helpful, but not required.

**827 CP Guitar II**

Guitar 2

Grades 9, 10, 11, 12

Credit 0.5

This class is a continuation of Guitar I. Guitar II performs pop songs, ensemble pieces, scales, and more advanced techniques of acoustic guitar. Performance in the Spring Concert is mandatory.

**PREREQUISITE:**

Completion of Guitar I

**ART**

**831 CP Basic Studio Art**

Bsc Studio Art

Grades 9, 10, 11, 12

Credit 1

This foundation course covers the basic handling of tools, materials and techniques. In this basic design course students understand how art works through the elements of art and principles of design. They are able to write about and discuss concepts, ideas, styles and artists,

as well as produce art, solving technical, visual, and creative problems encountered by all artists.

### **833 CP Intermediate Studio Art**

Intern Studio Art

Grades 10, 11 and 12

Credit 1

This course is a continuation of Basic Studio Art with an emphasis on using previously acquired skills to express ideas, values, and feelings that are important to individuals and society. Students continue to learn about the rich diversity of art forms that have been made throughout history and around the world.

#### **PREREQUISITE:**

Grade of B+ or above in Basic Studio Art and permission of instructor

### **832 CP Advanced Studio Art 1**

### **839 H Advanced Studio Art 2**

Adv Studio Art

Grades 10, 11 and 12

Credit 1

These courses are a continuation of Intermediate Art. Various topics are explored in more detail. The development of a personal portfolio is required.

#### **PREREQUISITE:**

Grade of B+ or above in Intermediate Studio Art or an interview with the teacher along with submission of drawings

### **834 CP World Art 1 and**

### **835 CP World Art 2**

World Art

Grades 10, 11 and 12

Credit 0.5 (each semester)

These classes offer students the opportunity to learn several of the traditional lost arts and several new ones. The classes emphasize

historical perspective and include many hands-on activities. Their focus is on fiber arts—traditional weaving, cloth and silk dyeing, sculpture, and jewelry making. Papermaking, bookbinding, printmaking, and illustration are also studied.

### **846 CP Sculpture and 3-D Design**

Sculpt 3-D Design

Grades 10, 11 and 12

Credit 0.5 or 1

This course introduces students to the idea of thinking conceptually and creating dimensionally. Students are taught sculpture and 3-D design skills using a variety of materials such as cloth, string, clay, plaster, wood, wire and paper. Students also work on product design as well as theatre props and set design. Creative and “*outside of the box*” thinking is encouraged.

## **SPEECH AND DRAMA**

### **861 CP Speech and Drama**

Speech/Drama

Grades 9, 10, 11, 12

Credit 0.5

Students improve the art of communication in the first quarter with writing and performing simple introductory speeches. Students acquire the skills to write and present a three to five minute speech on a topic that interests them. Students learn how to deal with stage fright. During the second quarter students delve into the Dramatic Arts by preparing (learning lines, blocking, etc...) and performing a thirty minute Children’s Theatre Production at a near-by child care center.

### **864 CP Theatre**

Theatre

Grades 9, 10, 11, 12

Credit 0.5

This course begins with an overview of the History of Theatre and takes a look at playwrights through the centuries: Euripides, Shakespeare, Noel Coward, Tennessee Williams, Lorraine Hansberry, and Neal Simon, to name a few. Students explore pantomime,

improvisation, and scene-work. The culmination of the class is the presentation of a five-minute scene from a play of the student's choosing.

### **865 CP Technical Theatre**

Tech Theatre

Grades 10, 11, and 12

Credit 0.5

This course teaches elements of theatrical production, including set design, color coding a scene, costuming and make-up, light designing and how to operate a sound board. Students may run the backstage crew for our theatrical productions.

#### **PREREQUISITE:**

Theatre I or permission of instructor

### **866 CP Women in Theatre and Film**

Women Theatre

Grades 11, 12

Credit 0.5

Students look into the history of women on stage, in play writing, and on film. This course encompasses women's roles in theatre from earliest theatrical shows to modern day. Students examine how and why women's roles in theatre have evolved. Students research women who were instrumental in changing the face of theatre for all women.

### **867 CP Acting and Directing**

Theatre

Grades 11, 12

Credit 0.5

Students learn how to go deeper into the acting process by connecting their own experiences and emotions to the characters they portray. Students use the Stanislavski method and learn how to create a sub-

text for stage characters. Students learn vocal exercises to help them project and enunciate on stage. Finally, students apply what they learned by directing their peers in short scenes.

### **870 CP Theatrical Dance**

Theatre/Dance

Grades 9,10,11,12

Credit 0.5

This course combines learning styles of famous choreographers including Gene Kelly, Ginger Rogers, and Bob Fosse. Students learn techniques to create their own dances for performance and create dance steps with the help of a guest choreographer.