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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 student's plans for the future and how they relate to the courses she wishes 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 2016-2017 school year:

- Using Edline, 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 selection 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 be increased 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 2016-2017

<u>Tuition:</u> Grade 9	\$14,300 (Fixed through 2020)
Grade 10	\$14,300 (Fixed through 2019)
Grade 11	\$13,300 (Fixed through 2018)
Grade 12	\$12,300

Tuition Refund Plan available at 2.1% of tuition and all fees. Mandatory for 11 month payment plan. Optional, but encouraged, for full and semi-annual payment plans. (See enclosed brochure.)

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 7, 2016

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

Current Students:

Early Registration Fee: \$150 if received in the Business Office by February 26, 2016

Late Registration Fee: \$250 if received in the Business Office after February 26, 2016

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 1st 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 2017 through 2020

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	1 credit
Electives	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 proceeding year, as follows:

Level to Level	Criteria/Grade in Current Year's Course
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 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 Theo Scripture and Revelation

Theo Scripture

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 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 Theo the Paschal Mystery of Christ and His Church

Pascal Mystery

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 Sacraments and Morality

Sacr 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.

042 CP Theo Apologetics

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."

ENGLISH

111 H, 112 CP Literature/Composition 9

Lit/Comp 9

Literature/Composition 9

Grade 9

Credit 1

This course concentrates on the fundamentals of grammar, composition, vocabulary, literary terms, and genres. Students read literature based on universal themes and study novels and drama in

depth. Students apply usage, mechanics, and vocabulary in the context of readings. Through the reading and writing of expository and narrative essays, students focus on sentence structure and paragraph development. Students explore the fundamentals of research writing using MLA format and style.

103 CP Academic Cognitive Enrichment

ACE 1

Grades 9, 10

Credit 1

This course enriches the students' academic cognitive abilities by focusing on improving academic skills, remediation, class work, study skills, time management, organizational skills, and test-taking strategies. During this course, students participate in lessons devoted to improving the areas in which they need the most help.

113 CP Freshman Lit/Comp 9

Lit/Comp 9

Grade 9

Credit 1

Individual instruction, tutoring, and small class sizes enable students to challenge themselves and find comfort in the learning environment. Students participate in an in-depth study of the fundamentals of composition, grammar, vocabulary, literary terms and genres. Through the reading and writing of various essays, students focus on sentence structure, paragraph development, and source citations. Students explore the fundamentals of research writing using MLA format and style.

121 H, 122 CP American Literature/Composition 10

Am Lit/Comp 10

Grade 10

Credit 1

This course surveys American Literature from the colonial period to modern times. Students analyze the historical impact of each literary

movement and examine grammar, usage, mechanics, and vocabulary in the context of readings. Applying and expanding skills learned in English 9, students write expository and narrative essays incorporating MLA format and style.

131 H, 132 CP British Literature/Composition 11

Brit Lit/Comp 11

Grade 11

Credit 1

This course encompasses literature written from the early Medieval Period through the Twentieth Century. Students read a variety of selections from English, Irish, Scottish, and Welsh writers while examining the historical impact each period had on literature of Great Britain. Additionally, students master vocabulary words and review grammar, usage, and mechanics within the context of assigned readings. Students apply previously learned research skills and MLA format and style to several essays, including an argument and a cause-and-effect.

148 AP English Language and Composition

Eng Lang/Comp 11

Grade 11

Credit 1

This course focuses on the development and revision of evidence-based analytic and argumentative writing and the rhetorical analysis of nonfiction texts, all of which prepare students to take the Advanced Placement English Language and Composition exam in the spring.

PREREQUISITE:

See page 5

An AP Test fee may apply.

141 H, 142 CP World Literature/Composition 12

Wld Lit/Comp 12

Grade 12

Credit 1

This course immerses students in cultures from around the world through literature. Through the study of ancient cultures, the Greek theatre, and modern literature, students explore intercultural dialogue in the modern world. Students employ critical thinking skills, increase vocabulary knowledge, and practice writing skills needed to write, present, and defend.

149 AP English Literature and Composition 12

Eng Lit/Comp 12

Grade 12

Credit 1

This course engages students in the careful reading and critical analysis of literary works – ranging from the novel, short story, poetry, and drama. Students participate actively in class discussions and to develop original critical essays about literature. Students are prepared to take the Advanced Placement English Literature and Composition exam in the spring.

PREREQUISITE:

See page 5

AP Test fee may apply

153 CP Yearbook

Yrbk

Grades 11 and 12

Credit 1

This course promotes skills in basic journalism, including but not limited to, 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

160 CP Creative Writing

Cr Writ

Grades 11 and 12

Credit 0.5, 1 Semester

This course strengthens creative writing skills while providing an overview of creative genres. Students read various genres of literature to serve as examples of well-written works. Students focus on poetry, short story, drama, and fairytale/folklore writing. Acquiring and practicing positive critiquing methods is an essential part of this class.

161 CP Creative Non-Fiction Writing

Cr Writ/Non-Fict

Grades 11 and 12

Credit 0.5, 1 Semester

This course provides an overview on a variety of non-fiction genres, teaches positive critiquing methods, and allows time for students to concentrate on areas of particular interest. Reading of the various non-fiction genres is included to serve as examples of well-written works. Students focus on the writing process, functional non-fiction writing, and literary criticism and analysis.

171 CP Literature Into American Film

Lit Amer Film

Grades 11 and 12

Credit 0.5, 1st Semester

This course explores the complex interplay between literature and film. Selected American novels, short stories, and plays are analyzed in relation to film versions of the same works in order to gain an understanding of the possibilities—and problems—involved in the transposition to film. In addition to viewing films, the course requires

extensive reading, writing, taking part in class discussions, and giving oral presentations. So, students taking this course should be prepared to read and to write on a regular basis, take an active part in class discussions, and deliver oral presentations.

172 CP Literature Into World Film

Lit Wrld Film

Grades 11 and 12

Credit 0.5, 2nd Semester

This course explores the complex interplay between literature and film. Selected world novels, short stories, and plays are analyzed in relation to film versions of the same works in order to gain an understanding of the possibilities—and problems—involved in the transposition to film. In addition to viewing films, the course requires extensive reading, writing, taking part in class discussions, and giving oral presentations. So, students taking this course should be prepared to read and to write on a regular basis, take an active part in class discussions, and deliver oral presentations.

136 CP Women's British Literature

Women's Brit Lit

CP Grade 11, 12

Credit 0.5

This course examines novels, short stories, and poems written by female British authors such as, but not limited to, Mary Shelley, Jane Austen, and Virginia Woolf. Students analyze the voices of the women through various cultural and historical perspectives and conduct independent research to expand their knowledge of issues presented. Students engage in extensive reading and personal reflections.

137 CP Women's American Literature

Woman's Amer Lit

CP Grade 11, 12

Credit 0.5

This course examines novels, short stories, and poems written by female American authors such as, but not limited to, Emily Dickinson,

Edith Wharton, and Maya Angelou. Students analyze the voices of the women through various cultural and historical perspectives and conduct independent research to expand their knowledge of issues presented. Students will engage in reading and personal reflections.

166 CP Mythology, Folklore, & Fairy Tales

Myth Fiklr/Ft

CP Grades 10, 11 and 12

Credit 0.5, 1 Semester

This course introduces students to the magical world of mighty heroes, angry gods and goddesses, cunning animals, and fairy tale conventions. Students focus on the many myths, legends, and fairy tales that have been woven into different cultures. Students examine and analyze how folklore has affected and shaped modern society and literature, in addition to exploring their social significance.

SOCIAL STUDIES

211 H, 212 CP, 213 CP World Civilization 1

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 geographic 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.

216 CP Global Studies

Glbl Stud

Grades 11 and 12

Credit 1

This course challenges students to explore current issues ranging from globalization and the global economy, development and poverty, the

global food crisis, international security, and human rights. Students study issues from both a United States perspective and an international perspective. This course relies heavily on project-based learning and critical thinking skills to create a heightened awareness of our increasingly common concerns and commitment to solutions, based on pluralism and sustainability.

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 Civilization 1

226 CP Women in American History

Women's Amer Hist

Grades 11 and 12

Credit .05

This course surveys the role of individual women in American history from the early colonial period to the present, as well as important milestones in the women's movement. Students examine the historical, social, economic, religious, and constitutional impact of women in the making of American society, with heavy emphasis on analysis of primary source documents. Students learn independent research, critical thinking, and in-depth writing skills.

227 CP Civil War: Sumter to Reconstruction

Civil War

Grades 11 and 12

Credit .05

The Civil War was a watershed event in the history of the United States. This course covers the underlying causes of the war and the

conduct of the North and South during and after the war. Students are challenged to examine primary source documents throughout this course as they gain a better and deeper understanding of the American Civil War, and identify lessons from the war that can be learned and applied today.

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 a tobacco colony, in the revolutionary, civil, and world wars, as well 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

264 H, 260 CP Contemporary International Issues

Contemp Int Issues
Grades 11 and 12
Credit 1

This course is designed to broaden students' awareness of current issues facing the world. Students research and analyze current event topics such as human rights, climate change, energy/power, terrorism,

water issues, health issues and education issues. The global impact, as well as the impact on the US and policy decisions, is taken into consideration as the students use a variety of current, primary and secondary source readings on the subjects.

272 CP Twentieth/Twenty-First Century United States

20-21st Cent US
Grades 11 and 12
Credit 0.5

This course surveys the 20th and 21st 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:

Successful completion of World Civilization, U.S. History, and Government

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

274 CP Anti-Semitism and the Holocaust

Anti-Semit

Grades 11 and 12

Credit 0.5

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.

SCIENCE

305 CP Science Teaching Assistant

Science TA
Grade 12
Credit 1

Science TA's assist in the education of underclassmen. The role includes assisting in the lab and lab prep, class exercises, occasional practice teaching, being a role model for younger students, and a sounding board for teacher or student innovations.

PREREQUISITE:

Permission of the instructor

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.

324 H, 325 CP Medical Explorations Program Biology

MEP Bio

Grade 9

Credit 1

This is the introduction to the Medical Explorations Program and replaces the Biology credit. In the first semester students study microbiology in order to access biology topics such as scientific method, inquiry, biodiversity and the chemical and cellular basis of life and evolution. In the second semester students study genetics in order to access biology topics such as classification, genetics, evolution, ecology, and ethical considerations in biology. The course leans heavily on experimentation and problem solving. The course is open to freshman not in the MEP program.

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 biology 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.

341 H Physics

H Physics

Grades 11 and 12

Credit 1

The goal of the course is to be compatible 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 year will begin with a unit on chemistry and the periodic table. Students study units on mechanics, sound and light, electricity and magnetism.

PREREQUISITE:

STEM student

343 CP Conceptual Physics

CP Con Physics

Grades 11 and 12

Credit 1

In this course students study the rules that govern our physical world. Students study units on mechanics, sound and light, electricity and magnetism.

PREREQUISITE:

Concurrent placement in Algebra II or above.

Successful completion of course 331 or 332 Chemistry

See page 5 for other prerequisites

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

353 CP Anatomy & Physiology

Anat. & Phys.

Grades 9 and 10

Credit 1

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

PREREQUISITE:

Successful completion of Biology and Chemistry

328 H, 329 CP 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

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, tool mark analysis, and ballistics.

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

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 environment. 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

This course provides students 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

377 H, 378 CP Research Methods

Research Mthd
Grade 10
Credit 0.5

This course provides students with the opportunity to learn how to conduct scientific research. Much of the work is student-directed, including developing research questions, literature review, conducting simple projects, collecting and analyzing data and writing research reports from that data. The ability to work independently and as part of a research team is vital to success in this course. Students develop a research question that is the focus of study for the next two years in the program.

PREREQUISITE:

Successful completion of MEP Biology or permission of the instructor
See page 5 for other prerequisites

375 H, 376 CP Clinical Chemistry

Clin Chem

Grade 11

Credit 0.5

This course builds on knowledge from sophomore chemistry. Terminology and technique are expanded upon from both the intro and micro courses. Students investigate theory with extensive application as they perform lab tests on (mock) body fluids to identify disease conditions, develop quality control techniques, and keep lab records.

PREREQUISITE:

See page 5 for other prerequisites

379 H, 380 CP Health Care Delivery

Health Care

Grade 10

Credit 0.5

This course is a mixture of theory, practice and career information. It focuses on the history of health care in America, careers in first aid and patient care practices, medical and medical research fields. This is the only course directed at patient care.

PREREQUISITE:

See page 5 for other prerequisites

385 H, 386 CP Epidemiology

Epid

Grade 11

Credit 0.5

This course combines aspects of all previous courses and CDC resources to study the disease transmission process. Infectious diseases from early cases of the plague through the HIV/AIDS epidemic are studied. Students complete case studies in cholera, flu, and insect vectored diseases, as well as noninfectious diseases such as heart disease, lung disease, diabetes, and obesity. This course employs more theoretical than practice-centered strategies.

PREREQUISITE:

See page 5 for other prerequisites

359 H, 360 CP Introduction to the Human Brain

Intro Hum Brain

Grade 12

Credit 0.5

This course reviews biological concepts as they relate to the human brain. In addition, students study psychology, nervous systems and neurological diseases, brain based learning, current research into learning, and human nervous system development. Projects and papers will be the primary method of assessment. In this venue, MEP students finalize and present their two year research project.

PREREQUISITE:

See page 5 for other prerequisites

326 H, 327 CP Bioethics

Bioethics

Grade 12

Credit 0.5

This course is a capstone for the Medical Explorations Program. This course focuses on the intersection of ethics and science. As scientific advances bring to reality possibilities that once belonged to science fiction, consideration must be given to the consequences of those advances. Students choose the topics of study. Projects and papers are the primary method of assessment.

PREREQUISITE:

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.

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.

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.

MATHEMATICS

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.*

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.

413 CP Algebra 1B

CP Algebra1B

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 BC course is for students who already have a thorough knowledge of the elementary functions. Students who study for the Advanced Placement BC course also study or 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

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 and 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

522 CP Introduction to Emerging Technologies

Intro Emerg Tech

Grades 9, 10, 11, 12

Credit 1

This course explores current and emerging computer technologies in a hands on, collaborative, student-centered learning environment. The areas of 3D Printing, Basic Computer Hardware/Networking, Cyber Security, as well as creative and presentation applications are explored. This course allows students the opportunity to develop interest and skills in web based, mobile, and desktop applications.

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)

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

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

542 CP Web Design

CP Web Design
Grades 11 and 12
Credit 0.5

This course is designed to introduce students to the fundamentals of Web design. Students learn basic development methods and tools used to create websites. This course begins with students using the HTML language to create Web pages. Students advance to using Adobe Dreamweaver CS6. Upon completion, students have a basic understanding of the entire web development process.

PREREQUISITE:

Successful completion of Computer Applications Inventory or approval of the instructor

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

841 CP Digital Photography

CP Digit. Photo.
Grade 11 and 12
Credit 0.5

This course is an introduction to digital cameras and the programs associated with them. Students learn how to compose pictures and manipulate photos using Adobe Photo Shop Elements. They explore elements of art, principals of design and composition, while exploring the essential skills of photo editing.

PREREQUISITE:

Computer Applications, successful completion of Computer Applications Inventory or approval of the instructor

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

During 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. Significant oral participation 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

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	Chamber Winds	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

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, performs 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 that has much more responsibility for 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.

822 CP Symphonic Band (1, 2, 3, 4)

Symph Band

Grades 9, 10, 11, 12

Credit 1

TCHS Symphonic Band provides intermediate/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, as well as 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.

805 H Chamber Winds (1, 2, 3)

Chamber Winds

Grades 10, 11, 12

Credit 1

TCHS Chamber Winds is a course designed for advanced wind and percussion students. Chamber students will 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 will join the TCHS String Orchestra to form the TCHS Symphony Orchestra. They will 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

821 CP Percussion

Percussion

Grades 9,10,11,12

Credit 1

This course is designed for the development of beginner-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

806 CP String Orchestra (1, 2, 3, 4)

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, as well as fall and spring auditions for chair placement. Please refer to the TCHS Orchestra 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

810 AP Music Theory

AP Music Theory

Grades 10, 11 and 12

Credit 1

This advanced level course is designed to engage students in learning activities that will help them to achieve the outcome assessed by the College Board's AP Music Theory exam. The Advanced Music Theory 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

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

Interm 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 CP 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 expected.

PREREQUISITE:

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

834 CP Multicultural Art Appreciation 1 and

835 CP Multicultural Art Appreciation 2

CP Multi. Cult. 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 and sculpture and jewelry making cold joining. Papermaking, bookbinding, printmaking and illustration are studied.

848 CP Graphic Design and Digital Media

Grap. Des. Dig. Media

Grades 10, 11, 12

Credit 0.5

This one semester course builds on the concepts and skills acquired in Digital Photography. Adobe Applications for the desktop and mobile devices are the primary design applications used throughout this course. Solving artistic problems, effective application of design skills for page layout, and innovative thinking to convey an effective visual message are important components of this course. Students study the design process from ideation to final project. A commitment to completing work outside of class time is required.

PREREQUISITE:

Studio or Intermediate Art and Digital Photography with a grade of B or above

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 I

Theatre 1

Grades 9, 10, 11, 12

Credit 0.5

This course begins with an over-view 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. Then they create dance steps with the help of a guest choreographer.