

Little Flower Catholic High School for Girls

1000 W. Lycoming Street

Philadelphia, Pa. 19140

215-455-6900

Academic Course of Study

2018 - 2019





Dear Students and Parents:

The Little Flower Course Catalog for 2018-2019 lists the courses available to our students for the next school year. The courses are listed in order of academic departments and then arranged according to class year within the department. In addition to our academic courses, students may select electives from a variety of courses offered by the Jesuit Virtual Learning Academy (JVLA). Information and JVLA Course Listing may be found on pages 27 and 28.

Course selection is an exciting time of year. Your course selection for next year is an important decision. You want to be sure you register for courses that will challenge and support you as you prepare for your next steps in high school and your future.

I encourage you to read through the course catalog carefully and discuss your course selection with your parents. Mr. Rosbach, Assistant Principal for Academic Affairs, will speak with you in your Social Studies class to review the course selection process, required courses and options for electives for each class. He will address general questions in the presentation. If you have specific questions, please see Mr. Rosbach in the Academic Office. Also, I recommend that you speak with your teachers and Mrs. Sheridan, Director of Guidance, about your interests, future plans and courses which may be of interest to you.

Re-Registration and Course Selection procedures and timelines are designed to provide all students every opportunity to make an informed decision regarding choice of courses for the next school year. Best Wishes as you begin this process. Thank you for your attention and cooperation.

God Bless you,

Sister Kathleen Klenick, RSM

- PREFACE –

This booklet briefly describes the courses offered at Little Flower. Selection of courses should be made thoughtfully and realistically in light of both the student's academic performance, career interests and future goals and her ability to fulfill the requirements of any course. The student should seek assistance and advice from parents, teachers, and counselors before making her final decisions.

Freshmen and sophomores especially should be aware of the necessity of planning a complete four-year program. Certain courses carry stated prerequisites, courses that must be taken before another can be chosen.

- COURSE SELECTION PROCESS –

After the publication of this catalog, the ninth, tenth, and eleventh grade students begin the process of selecting their courses for next year. Classroom teachers review the options available to the students and recommend courses. Students or parents with further questions are urged to contact the appropriate teacher, department chair or guidance counselor.

Most of the courses offered are available at various ability levels, so that teaching and learning can take place in as homogeneous a grouping as possible.

Students are placed in an ability level for each subject when they enter Little Flower. This placement is determined by the results of the standardized tests taken while in elementary school, the recommendation of the eighth grade teacher, and an analysis of the student's effort and scholastic achievement. This placement in level or track is flexible and may be changed after a trial period, if it is determined that the student is not being sufficiently challenged or that she requires additional support to fulfill the academic requirements of that track.

Teachers and counselors, subject to the approval of parents, recommend the track for upperclassmen. The track of each course is clearly indicated in this catalog. Normally the following can be used as a guide to curriculum levels or tracks:

Advanced Placement (AP)

Courses that follow the syllabi of the Advanced Placement Program or college level courses for Diocesan Scholars or dual credit courses subject to our partnership agreement.

Honors (H)

Advanced classes for students of high ability, stressing independent study, written and oral reports, outside reading and discussion.

College Preparatory (CP)

College preparatory courses for above average students, stressing a fairly rapid pace and limited direction.

Academic (A)

College preparatory courses for average students, stressing moderate pace and standard direction.

A student who had experienced difficulty in previous courses will be advised to choose subjects that reduce scholastic pressure provided that they present adequate challenge to her present level of learning.

The Academic Affairs Office, which completes the student rostering, will set up the formal Course Selection Form. Registration will be completed through the Grade Connect Program with a February deadline. Students will select courses on Grade Connect, print the Course Selection Form which is then signed by the student and parent, and submit it to the Finance Office along with the \$125 registration fee. Students registering beyond the deadline will be assessed a \$25 fee by Smart Tuition, in addition to the \$125 registration fee. Students who have already decided that they will not return to Little Flower next year are to submit a Notification of Withdrawal Form, dated for the last day of the current school year.

The Course Selection Form indicates departmental approval of the courses offered to that individual student. The school may recommend that a student not take a particular course or track. If the parents feel strongly that the student should take that course or track, they must complete a Course Exception Form indicating that they wish the student to take the course, and that they are aware that this is against the recommendation of the school. This form is kept in the student's file and the student will be enrolled in the course. Certain courses are required for graduation and the student is free to change only the track in such courses.

The Master Roster is developed after the deadline for Course Selection. It is at this time that class size, teacher assignments and room distribution are determined. Total fulfillment of course requests are never possible for an entire school. The school reserves the right to cancel any course for which there is insufficient enrollment, lack of physical facilities, or staffing impossibility. Any students who have requested courses that must be canceled are notified of that fact and asked to make alternate choices. Course availability notifications are usually sent to the student's email account. Students should check that account regularly when school is dismissed for the summer.

No course requested at the time of registration and rostered for September may be dropped. No period at which a class is assigned may be changed unless there is an imbalance in class size that such a change will adjust.

RELIGION DEPARTMENT

Four years of Religion are required for graduation. The full four year course of study will include the fundamentals of the Catholic faith, scripture, morality, social teaching, and vocations.

112 THEOLOGY I

CP 1 Credit Grade 9

THE REVELATION OF JESUS CHRIST IN SCRIPTURE

This course helps students understand the Sacred Scriptures. The Bible is the word of God where they encounter the living Word of God, Jesus Christ. Students learn about the Bible, its development and content, and how God is its author. Students focus on the Gospels, where they grow to know and love Jesus more personally.

WHO IS JESUS CHRIST?

This course helps students understand the person and message of Jesus Christ. He is the living Word of God, the Second Person of the Blessed Trinity. He is the ultimate Revelation about God, from God. Students penetrate the mystery of the person of Jesus and who he calls them to be.

122 THEOLOGY II

CP 1 Credit Grade 10

THE MISSION OF JESUS CHRIST (THE PASCHAL MYSTERY)

This course helps students understand all that God has done for humanity through his Son, Jesus Christ. God has planned, from all eternity, for human beings to share everlasting happiness with him. This is accomplished only through redemption in Christ. Students inquire about the meaning of being a disciple of Christ.

JESUS CHRIST'S MISSION CONTINUES IN THE CHURCH

This course helps students understand that they encounter the living Jesus Christ in and through the Church. The Church was founded by Christ through the Apostles. It is sustained by him through the Holy Spirit. The Church is the living Body of Christ. Students explore the Church as a mystery which has both human and divine elements.

131, 132 THEOLOGY III

H, CP 1 Credit Grade 11

SACRAMENTS AS PRIVILEGED ENCOUNTERS WITH JESUS CHRIST

This course helps students understand that they can meet Christ today in and through the sacraments. Each sacrament, particularly the Eucharist, is a means to a full and real encounter with Christ. Students examine each sacrament in detail so as to learn how they may encounter Christ throughout life.

LIFE IN JESUS CHRIST

This course helps students understand the moral life. Only in Christ can human beings discover the fullness of life. Disciples of Christ are guided by moral concepts and precepts of Christ and his Church. Students probe these moral teachings and reflect upon their implications.

141, 142 THEOLOGY IV
H, CP 1 Credit Grade 12
LIVING AS A DISCIPLE OF CHRIST IN SOCIETY

The purpose of this course is to introduce students to the Church's social teaching. In this course, students are to learn how Christ's concern for others, especially the poor and needy, is present today in the Church's social teaching and mission.

RESPONDING TO THE CALL OF JESUS CHRIST

The purpose of this course is to help students understand the vocations of life: how Christ calls us to live. Married life, single life, priestly life and consecrated life are explored. Students reflect upon what it means to live life for the benefit of others and the value in considering a vocation in service to the Christian community.

146 CHURCH HISTORY Semester Course
H, CP .5 Credit Grades 11, 12

Throughout the last 2000 years, the Catholic Church has been shaped by the love, faith, and service of countless individuals. In this one semester course, we will examine some of those lives and the events that filled them, as we ask the question, "Who/what influenced the faith that I hold today, and how is my faith and the current culture shaping the faith and Church of the future?"

191 LATIN: THE LANGUAGE OF THE CHURCH
H 1 Credit Grades 9 -12
TEXT: Ecce Romani: Book 1
 Primer of Ecclesiastical Latin

This course provides an overview of the rich legacy of the theological and spiritual traditions of the Roman Catholic Church. This overview will be accomplished through the study of the Latin documentation, chant and liturgy. This overview will enhance the core Theology curriculum by deepening the understanding of the Creedal roots of Catholicism and fostering an appreciation of the people and events who cohesively shape our faith.

ENGLISH DEPARTMENT

A four-year program aimed at developing the student's reading, writing, listening, and speaking skills is offered on various levels to all students. Two-fifths of the class time is devoted to the study of vocabulary, language, and composition. The remaining three-fifths is dedicated to the development of reading skills and the study of literature.

Courses in the 210 series are open to 9th Grade students; 220 to 10th Grade; 230 to 11th Grade; 240 to 12th Grade.

211 – 213 ENGLISH LANGUAGE ARTS I:
CRITICAL READING, WRITING, AND SPEAKING SUPPORTED THROUGH GENRE STUDIES
H, CP, A 1 Credit Grade 9

English Language Arts I is a required course for all ninth grade students. Based on the Common Core Standards, this course provides students with the skills and knowledge to become critical readers and writers by

analyzing key ideas and details, craft and structure, and the integration of knowledge and ideas in literature and informational text.

Students will develop their writing skills by examining text types and purposes and by writing arguments, explanatory/informational texts, and narratives. Using the full writing process, students will learn how to produce and distribute quality writing using technology's capacity to produce, publish, and share writing products. Students will conduct short research projects and will participate in a range of collaborative discussions integrating multiple sources of information. This course will advance students' knowledge of the conventions of Standard English and will strengthen vocabulary acquisition and use.

This course is supported through various literary Genre studies.

215 COMMUNICATION SKILLS

A .5 credit Grade 9

Knowing how to communicate effectively is rated as one of the most important qualities that employers look for in a job applicant. This course will seek to imbue students with the understanding that social, emotional, and intellectual intelligence affects communication. Students will develop these skills by working to improve critical reading, writing, speaking and listening skills through project based and activity oriented learning.

221 - 223 ENGLISH LANGUAGE ARTS II: CRITICAL READING, WRITING, AND SPEAKING SUPPORTED THROUGH WORLD AND BRITISH STUDIES

H, CP, A 1 Credit Grade 10

English Language Arts II is a required course for all tenth grade students. Based on the Common Core Standards, this course provides students with the skills and knowledge to become advanced critical readers and writers by analyzing multiple themes, interpretations, and details, craft and structure, and the integration of knowledge and ideas in literature and informational text.

Reinforcing and expanding the writing objectives of the freshman year, this course will develop the student's writing skills by examining text types and purposes and by writing arguments to support claims in an analysis of substantive topics or texts. Students will write explanatory/informational texts to examine and convey complex ideas, and will write narratives to develop real or imagined experiences or events. Students will learn how to produce and distribute quality writing using technology's capacity to produce, publish, and share writing products. Students will conduct sustained research projects and will participate in a range of collaborative discussions and presentations integrating multiple sources of information. This course will further advance students' knowledge of the conventions of Standard English and will strengthen vocabulary acquisition and use. This course is supported through various selections in World and British Studies.

230 ENGLISH III ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION

AP 1 Credit Grade 11

Advanced Placement English Language and Composition is an advanced level course designed to create skilled readers and writers and has been developed for students who are willing to accept the challenge of a college level course during their high school years. Students will strive to increase their ability to read critically and analytically and to communicate an effective analysis, argument, or synthesis of those materials in written format. The syllabus of the course is approved by the College Board Advanced Placement Program and has been developed to focus on enabling students to write with ease and confidence in many modes of discourse. It can prepare students to handle the type of writing required for success in college. Selections from the major American works of literature are a part of the course materials. Students must apply for admission to this course. **Students are required to take the advanced placement examination. Colleges may give successful**

candidates college credits for this course. The AP fee is \$94 for each exam. Students who qualify for a fee reduction pay \$53 for each exam.

231 – 233 ENGLISH LANGUAGE ARTS III:
CRITICAL READING, WRITING, AND SPEAKING SUPPORTED THROUGH AMERICAN
STUDIES

H, CP, A 1 Credit Grade 11

English Language Arts III is a required course for all eleventh grade students. Based on the Common Core standards, this course provides students with skills and knowledge to become critical readers and writers by analyzing key ideas and details, craft and structure, and the integrations of knowledge and ideas in literature and informational text.

This course will develop the student’s writing skills by examining text types and purposes and by writing arguments, explanatory/informational texts, and narratives. Students will learn how to produce and distribute quality writing using technology’s capacity to produce, publish, and share writing products. Students will conduct short research projects and will participate in a range of collaborative discussions integrating multiple sources of information. This course will advance students’ knowledge of the conventions of Standard English and will strengthen vocabulary acquisition and use.

This course is supported through various selections in American Early studies.

240 ENGLISH IV
ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION

AP 1 Credit Grade 12

This course is planned and implemented to develop further the student's ability to read critically and analyze perceptively various works in world literature. Selections from 20th century literature will be studied in depth. Special emphasis will be given to the writing of critical and stylistic analysis. Honors English III or AP Language and Composition is highly recommended as a prerequisite for this course. Students must apply for admission. **Students are required to take the advanced placement examination. Colleges may give successful candidates college credits for this course. The AP fee is \$94 for each exam. Students who qualify for a fee reduction pay \$53 for each exam.**

241 – 243 ENGLISH LANGUAGE ARTS IV:
ADVANCED CRITICAL READING, WRITING, AND SPEAKING SUPPORTED THROUGH
CONTEMPORARY AMERICAN STUDIES

H, CP, A 1 Credit Grade 12

English Language Arts IV is a required course for all twelfth grade students. Based on the Common Core Standards, this course provides students with the skills and knowledge to become advanced critical readers and writers by analyzing multiple themes, interpretations, and details, craft and structure, and the integration of knowledge and ideas in literature and informational text.

Reinforcing and expanding the writing objectives of the junior year, this course will develop the student’s writing skills by examining text types and purposes and by writing arguments to support claims in an analysis of substantive topics or texts. Students will write explanatory/informational texts to examine and convey complex ideas, and will write narratives to develop real or imagined experiences or events. Students will learn how to produce and distribute quality writing using technology’s capacity to produce, publish, and share writing products. Students will conduct sustained research projects and will participate in a range of collaborative discussions and presentations integrating multiple sources of information. This course will further advance students’ knowledge of the conventions of Standard English and will strengthen vocabulary acquisition and use.

This course is supported through various selections in contemporary American studies.

SOCIAL STUDIES DEPARTMENT

Three courses in Social Studies are required for graduation. The Social Studies Department offers three courses that follow the Advanced Placement Program for the College Board and two additional electives. Selecting one or more electives is highly recommended.

Required Course Sequence: Thematic Global World History, American Government and Politics, United States History

Electives:

Comparative Government and Economics, Psychology and Child Development, AP Government, AP US History, AP European History

Comparative Government and Politics meets the requirement of at least 1 fourth year elective in math, science, social studies, or world language.

311-313 HONORS THEMATIC GLOBAL WORLD HISTORY

H, CP, A 1 Credit Grade 9

A history of major world civilizations designed to explore the development of the modern global community and the spread of ideologies and cultures.

The curriculum employs transnational themes to provide connections which transcend time, space, and disciplines and which promote the use of critical historical, global and economic literacy skills to explore global patterns of change over time. Acquiring these skills will enable students to analyze and interpret historical events in depth and to apply their understanding to a variety of historical contexts.

350 AP EUROPEAN HISTORY

AP 1 Credit Grade 11 and 12

This course is open to juniors and seniors. This course will follow the curriculum established by the Advanced Placement Program for the College Board. Students must be willing to accept the challenge of completing introductory college level work in order to excel in this course. Through an intensive study of social, political, cultural, and economic developments in Europe from 1450 to the present, students will gain a more comprehensive understanding of modern world developments.

This course will require independent, outside reading, research and writing projects. Students should have at least an 88 in their current history class and the approval of the department chairperson to apply for this course.

Students are required to take the advanced placement examination. Colleges give successful candidates college credits for this course. The AP fee is \$94 for each exam. Students who qualify for a fee reduction pay \$53 for each exam.

321 AMERICAN GOVERNMENT AND POLITICS

H, CP, A 1 Credit Grade 10

This course is a comprehensive examination of the supreme and fundamental characteristics of the American Governmental system. Its study involves the origins, development, principles, organization, powers, functions and actual workings and processes of American Government. This course utilizes critical civic, economic and

historical literacy skills to emphasize political theory, philosophy, and the nature of government and how it has impacted the country over time. This course is designed to give a thorough knowledge and deep understanding of the Government of the United States which is essential to all American citizens.

330 AP UNITED STATES HISTORY

AP 1 Credit Grade 11

This course is offered to juniors. This course follows the curriculum established by the Advanced Placement Program for the College Board. The course level is equivalent to an introductory college course in U. S. History. Topics covered include: The Nature of History and Colonial America; The Revolution and the Constitution; Jacksonian Democracy; The Civil War and Reconstruction; The Depression and the New Deal; World War II; and foreign and domestic concerns since World War II.

The course will require independent outside reading, research and writing projects. Students should have at least an 88 in their current history class and the approval of the department chairperson to apply for this course.

Students are required to take the advanced placement examination. Colleges give successful candidates college credits for this course. Open to juniors (and a select few seniors). The AP fee is \$94 for each exam. Students who qualify for a fee reduction pay \$53 for each exam.

331 - 332 UNITED STATES HISTORY

H, CP 1 Credit Grade 11

This course will include major periods of American History from 1870 to the present. A study of the U.S. Constitution will also be included in the course of study. Independent assignments will be an integral part of this course.

333 UNITED STATES HISTORY

A 1 Credit Grade 11

This course will focus on a chronological study of American History from 1870 to the present. A study of the U.S. Constitution will also be incorporated into the course of study. Skills introduced in the World History Program will be reinforced and refined.

340 AP UNITED STATES GOVERNMENT AND POLITICS

AP 1 Credit Grade 10, 12

This course fulfills the sophomore social studies requirement and is also open to seniors. This course focuses on the constitutional underpinnings of United States government. It is intended for motivated students who enjoy challenging their abilities. The course level is equivalent to an introductory college course in political science. The Advanced Placement Program for the College Board has established the curriculum. Political beliefs and behaviors, political parties, interest groups and mass media, Congress, the presidency, the bureaucracy, the federal courts, public policy, civil rights and civil liberties are among the topics discussed. Current issues and events form the basis of class discussions and serve as examples of the main concepts taught. The course is a dynamic one adapting to the 444

The course will require independent outside reading, awareness of current events, research and writing projects. Students should have at least an 88 in their current history class and the approval of the department chairperson to apply for this course. **Students are required to take the advanced placement examination. Colleges give successful candidates college credits for this course. Open to seniors. The AP fee is \$94 for each exam. Students who qualify for a fee reduction pay \$53 for each exam.**

371 HONORS PSYCHOLOGY Semester Course
H .5 Credit Grades 11 & 12

This course follows the model and pace of a one semester college course introducing the main elements of the field of Psychology: Personality, Neuroscience, Sensation, Consciousness, Learning, Memory and Motivation. Students will participate in field simulations, research into Abnormal Psychology and personal development activities. Students will be challenged by exercises in meta-cognition and field observations. The pace of the learning is brisk but the rewards will be significant.

372 AMERICAN STUDIES: LAW Semester Course
CP .5 Credit Grades 11 & 12

This course will trace the historic traditions producing the American Judicial System as well as examine the effect of modern life on the evolution of law and order. Students will explore the traditions of English common law, American constitutional law, civil and criminal court systems, and the continuous evolution of civil rights, due process and criminal justice. Special attention will be placed on the role of journalism and social media on the American legal system. Students will research and write about constitutional history and civil rights. Students will participate in field studies examining the operations of the criminal justice system.

382 COMPARATIVE GOVERNMENT AND ECONOMICS
CP 1 Credit Grade 12

Meets the requirement of at least 1 fourth year elective in math, science, social studies, or world language.

This course follows the curriculum proposed by the Social Studies Curriculum Committee of the Archdiocese of Philadelphia. Students will build upon their understanding of the global community and learn how cultures historically influence concepts of power, political structures, indigenous justice, economic exchange, international relations and global practices.

Course will emphasize study of global awareness, social learning, civic decision-making and the sources of diversity. Students will participate in simulations, examine case studies and research socio-political structures around the world. The Curriculum Committee seeks to offer a course that will be a “culmination of three years of historical, political, economic and social learning that ties key ideas together” in order to send graduates out into the world with a respect for diverse peoples.

392 PSYCHOLOGY AND CHILD DEVELOPMENT
CP 1 Credit Grade 12

This course does not meet the requirement of at least 1 fourth year elective in math, science, social studies, or world language.

Students will learn the basic science of human behavior including the study of personality, brain function, sensation, perception, consciousness, learning, memory, thinking, language, emotion and motivation. Students will also gain insights into the various stages of human development -- from infancy to old age.

Students will learn social science research into abnormal psychology. The course emphasizes student participation in simulations, dream analysis and case study appreciation of psychological theory.

SCIENCE DEPARTMENT

Three courses in science, Physics, Biology and Chemistry are required of all students and four are strongly recommended. Taking Physics, AP Biology, Anatomy & Physiology, or any two of the half credit science electives (Chemistry 2, Genetics, Ecology, or Forensic Science) in Grade 12 meets the requirement of at least 1 fourth year elective in math, science, social studies, or world language.

412 CONCEPTUAL PHYSICS

CP 1 Credit Grade 9

TEXT: Conceptual Physics by Paul Hewitt

This course offers an algebra-based approach to the laws of nature. All of the fundamental principles of physics including mechanics, heat, waves, electricity and magnetism, and nuclear are presented conceptually, investigated experimentally and modeled algebraically.

413 PHYSICS 9

A 1 Credit Grade 9

TEXT: Physics: A First Course by Tom Hsu

Physics 9 is an introductory course for the first year high school student. The principles of motion, forces, matter and energy, electricity and magnetism, waves including sound, and light, and optics are presented conceptually and investigated experimentally. Emphasis will be placed on data collection and analysis, and problem solving using critical reading and algebra.

421 HONORS CHEMISTRY

H 1 Credit Grade 10

TEXT: Corwin Chemistry: Concepts & Connections

This course covers basic chemical principles with an emphasis on problem solving, development of reasoning skills, and experimental techniques. Topics covered include atomic structure, reactions, chemical bonding and solutions.

422 CHEMISTRY

CP 1 Credit Grade 10

TEXT: Chemistry: Glencoe: Chemistry Matter and Change

This introductory course develops concepts in Chemistry. Chemical formulas, equation writing and problem solving techniques are stressed. An introduction to the areas of nuclear and modern chemistry is made. Lab experiences reinforce concepts and problem solving techniques learned in the classroom.

423 CHEMISTRY

A 1 Credit Grade 10

TEXT: Chemistry: Wilbraham, Staley, Matta, Waterman
Course 423 follows the same program as Course 422.

431 – 433 BIOLOGY

H, CP, A 1 Credit Grade 11

TEXT: Biology: Miller & Levine

Inquiry Biology is a survey course that introduces the basic concepts of life science focused on 6 Big Ideas as presented by the National Science Education Standards. There is a change of emphasis on knowing facts to developing abilities of inquiry and integrating all aspects of science content. As a laboratory course, it helps students discover the process of science as well as its products. Critical reasoning and its applications are emphasized. Social issues are discussed. Future study and career possibilities are explored.

435 CHEMISTRY 2

CP 1 Credit Grade 12

TEXT: Chemistry: Wilbraham, Staley, Matta, Waterman

This course is designed for a student who will take college chemistry. Chemistry 2 presents the fundamentals of general, organic, and biochemistry. Students will need a strong foundational knowledge of Chemistry 1. Areas of study include atomic structure, reactions, gas laws, solutions, thermodynamics, kinetics, chemical equilibria, acid/base/buffers, redox, electrochemistry, hydrocarbons, functional groups, biological molecules, and nuclear chemistry.

Organic Chemistry provides an introduction to nomenclature, structure, properties, reactions, and mechanisms of hydrocarbons, alkyl halides, alcohols, aromatics, ethers, aldehydes, ketones, amines, amides, carboxylic acids, and thioles. This course will be particularly applicable to students interested in health sciences, nutrition, and chemistry

Prerequisites: Physics, Chemistry, and Biology

441 – 442 PHYSICS

H, CP 1 Credit Grade 11 & 12

TEXT: Physics: Holt Physics

The fundamental principles of physics including mechanics, heat, waves, electricity, magnetism, and nuclear will be introduced conceptually and developed with mathematical rigor. Experimentation and practical applications will be emphasized. This course is designed for college-bound students and requires the ability to work independently.

Prerequisite: Chemistry

450 AP BIOLOGY

AP 1 Credit Grades 11 & 12

TEXT: AP Edition Campbell Biology In Focus

The AP Biology course is designed to develop advanced inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains of biology and science. The result will be readiness for the study of advanced topics in subsequent college courses. The course is based on the four big ideas of biology. Summer work is assigned and investigative labs recommended by the College Board are part of the course. **Students are required to take the AP test in May. The AP fee is \$94 for each exam. Students who qualify for a fee reduction pay \$53 for each exam.**

Prerequisite: Chemistry

452 - 453 ANATOMY & PHYSIOLOGY

CP, A 1 Credit Grade 12

TEXT: Essentials of Human Anatomy and Physiology

This challenging course is designed for the student who desires to broaden her background in science. It is a course that provides in-depth information about the structure and the function of the human body. It is especially useful for those who are pursuing careers in science or health.

Prerequisites: Chemistry and 80 average in Biology

435 GENETICS Semester Course

CP .5 credit Grade 12

TEXT: Concepts of Genetics by Klug, Cummings, Spencer and Paladino 2012 Pearson

This elective, designed for 4th year students interested in biology, builds on themes introduced in Biology I. The course will explore current concepts in genetics and microbiology and their relationship to our lives. Discussion and application will include: the role of molecules in water quality and food production, genetic engineering, recombinant DNA technology and bioethics.

Prerequisites: Biology and Chemistry, 80 average in both.

436 FORENSIC SCIENCE Semester Course

CP .5 credit Grade 12

Forensic science is a senior-level course which will use lab investigations that apply many scientific disciplines such as biology/anatomy, chemistry, and physics to solving crimes. The focus of the course is to acknowledge the tremendous impact that the advances in science have had on both criminal investigation and the ethical decisions one must make as an informed citizen of the world. The forensics aspect of the course includes the application of natural sciences to legal matters, analytical chemistry, DNA analysis, blood spatter, hair and fiber analysis, and insect metamorphosis as a tool to determine time of death. The course will emphasize inquiry-based learning, problem solving, and scientific writing.

Prerequisites: Physics, Chemistry, and Biology

437 ECOLOGY Semester Course

CP .5 credit Grade 12

A study of ecology is important to understand in today's world. Ecology is the study of the relationships between living organisms, including humans, and their physical environment. This course provides a background in the fundamental principles of ecological science, including concepts of natural selection, population and community ecology, biodiversity, and sustainability. The scope of ecology will include terrestrial and marine environments as well as field studies.

Prerequisites: Physics, Chemistry, and Biology

MATHEMATICS DEPARTMENT

All mathematics courses require a TI graphing calculator. Any of the following will suffice: TI-83, TI-83 Plus, TI-84 Plus, and TI-84 Plus Silver Edition.

511 HONORS ALGEBRA I

H 1 Credit Grade 9

TEXT: Algebra I, McDougal Littell

The purpose of this course is to provide a firm foundation in the structure of the number system. Topics covered include sets, algebraic equations, graphs, polynomials, special products and factoring, as well as word problems, radicals, quadratic equations, simultaneous equations and an introduction to computer programming.

512 ALGEBRA I

CP 1 Credit Grade 9

TEXT: Algebra I: Pearson.

This course develops a better understanding of the number system and facility in its use. Topics covered include operations with signed numbers, monomial and polynomial operations, linear equations, factoring, rational expressions, radicals and quadratic equations. Word problems will be covered according to the student's abilities.

513 ALGEBRA I

A 1 Credit Grade 9

TEXT: Algebra I: Holt, Rinehart, Winston
Course 513 follows the same basic program and structure as Course 512

521 HONORS GEOMETRY

H 1 Credit Grade 10

TEXT: Geometry: Holt McDougal

This course initiates the student into the logic of deductive reasoning by studying the underlying postulates and theorems used in the development of the structure of geometry. Areas covered include angle relationships, congruent triangles, parallel lines and planes, angles, similar polygons, and circles. Advanced work includes coordinate geometry, areas and volumes, transformations and computer applications.

522 GEOMETRY

CP 1 Credit Grade 10

TEXT: Geometry: Prentice Hall
Course 522 follows the same basic program and structure as Course 521

523 GEOMETRY

A 1 Credit Grade 10

TEXT: Geometry: Foundation Series Prentice Hall

Designed to introduce the student to the logic of reasoning techniques at a slower pace; this course covers topics including angle relationships, parallel lines and planes, congruent triangles, similar polygons, circles, areas and volumes.

531 HONORS ALGEBRA II

H 1 Credit Grade 11

TEXT: Larson Algebra 2, Holt McDougal

This course covers the real number and complex number systems, relations and functions, graphing, solution of equations and inequalities of first and second degree, in one, two or three variables, word problems, matrices, and an introduction to trigonometry.

532 ALGEBRA II

CP 1 Credit Grade 11

TEXT: Algebra 2, Houghton Mifflin Harcourt

This course covers such topics as the real and complex number systems, linear functions, coordinate geometry, quadratic functions, exponents and logarithms, etc. This course meets the student at her level of knowledge and encourages her to move at optimum speed.

533 ALGEBRA II

A 1 Credit Grade 11

TEXT: Algebra 2, Foundation Series Prentice Hall

Course 533 follows the same basic program and structure as Course 532

541 HONORS PRE-CALCULUS/TRIGONOMETRY

H 1 Credit Grade 12

Meets the requirement of at least 1 fourth year elective in either math, science, social studies, or world language if taken in Grade 12.

TEXT: *Precalculus: Graphical, Numerical, Algebraic*, eighth edition, Pearson, Addison-Wesley

This course is designed for college-bound students and provides a foundation for the study of calculus. Topics covered include an in-depth study of functions including linear, polynomial, rational, exponential, logarithmic, or trigonometric functions with applications, and analytic geometry.

Prerequisite: average of 80 or above in honors algebra ii or instructor's recommendation.

542 PRE-CALCULUS/TRIGONOMETRY

CP 1 Credit Grade 12

Meets the requirement of at least 1 fourth year elective in either math, science, social studies, or world language if taken in Grade 12.

TEXT: Pre-Calculus: Enhanced with Graphing Utilities

This course is designed for college-bound students and provides a foundation for the study of calculus. Topics covered include a study of functions including linear, polynomial, rational, exponential, logarithmic, and trigonometric with applications

Prerequisite: average of 80 or above in cp algebra ii or instructor's recommendation.

543 COLLEGE ALGEBRA/TRIGONOMETRY

A 1 Credit Grade 12

Meets the requirement of at least 1 fourth year elective in either math, science, social studies, or world language if taken in Grade 12.

TEXT: *Mathematics in Action*, third edition, Pearson, Addison-Wesley

This course follows an application-oriented approach to explore functions including trigonometry. This course is intended for those students whose mathematical background is not strong, but need trigonometry for science courses or plans after high school.

Prerequisite: average of 80 or above in algebra II or instructor's recommendation.

540 AP CALCULUS

AP 1 Credit Grade 12

Meets the requirement of at least 1 fourth year elective in either math, science, social studies, or world language if taken in Grade 12.

TEXT: *Calculus of A Single Variable: AP Edition*

This is a college level course in differential and integral calculus with elementary functions. It is intended for students who have a thorough knowledge of algebra, geometry, pre-calculus, trigonometry, and analytic geometry. It is expected that students will seek college credit or placement. This course follows the course description and topic outline in the College Board AP Calculus AB Course Description Booklet.

Prerequisite: average of 80 in honors Pre-Calc/Trig.

Students taking this course are required to take the AP exam in May. Admission to the course is contingent upon the instructor's recommendation. The AP fee is \$94 for each exam. Students who qualify for a fee reduction pay \$53 for each exam.

595 CALCULUS

H

1 Credit

Grade 12

Meets the requirement of at least 1 fourth year elective in either math, science, social studies, or world language if taken in Grade 12

TEXT: *Calculus: Graphical, Numerical, Algebraic*. Scott Foresman, Addison Wesley

This is a college level course in differential and integral calculus with elementary functions. It is intended for students who have a thorough knowledge of algebra, geometry, pre-calculus, trigonometry, and analytic geometry.

Prerequisite: average of 80 in pre-calc/trig (H and CP2).

546 STATISTICS

H

1 Credit

Grade 12

Meets the requirement of at least 1 fourth year elective in either math, science, social studies, or world language if taken in Grade 12.

This course is designed for juniors and seniors who have completed Algebra II and wish to continue in mathematics. It covers topics involving games of chance, random sampling, distributions, estimation and decision making.

Prerequisite: average of 80 or above in Algebra II (H AND CP) and recommendation of department chairperson.

552 PROGRAMMING IN JAVA

CP

1 Credit

Grade 12

This course serves as an introduction to computer programming using the high-level language JAVA. It will concentrate on problem solving techniques, developing algorithms, debugging of programs, and writing programs. The student will learn about object-oriented programming and be taught the process of specification, design, coding, and testing. The students will also be taught methods of input and output, control structures, looping techniques, and implementing classes. The student will learn the proper use of arrays and collections.

Prerequisite: average of 80 or above in algebra ii or geometry (H and CP) and recommendation of department chairperson.

WORLD LANGUAGE DEPARTMENT

Four-year sequences are offered in three modern languages: Chinese, French and Spanish. It is recommended that world language study begin in ninth grade for qualified students so the four year sequence may be taken if the student proves herself capable and wishes to continue. Taking the third or fourth year of a language meets the requirement of at least 1 fourth year elective in math, science, social studies, or world language if taken in Grade 12. Students are expected to complete a minimum sequence of two years once they begin world language study. As freshmen, the students are tracked according to the results of the Terra Nova test. Students who rank high in this test and will probably be going to college are also rostered in Latin, if they are not taking Music, Art, or Chinese. Latin has proven to be an invaluable aid to students' performance both in English generally, and specifically in the Verbal section of the Scholastic Aptitude Test (SAT).

In 2018-2019 French 1 and 3 will be offered

611 - 612 FRENCH 1 (alternates with French 3)

H, CP 1 Credit

TEXT: Bien dit! I

This course enables students to learn and communicate in French as it is spoken today. It stresses language as an active tool in peoples' lives and as an instrument of cultural expression. The students will develop practical skills in reading, writing, listening and speaking. The course will expose students to a wide variety of authentic francophone cultural materials via printed and audiovisual material, enabling students to become keenly aware of the diversity of peoples and customs around the world. The course will emphasize students' active participation in conversation and activities that follow the core material.

621 - 622 FRENCH 2 (alternates with French 4)

H, CP 1 Credit

TEXT: Bien dit! I/II

This course is a continual development of language skills begun at level one. The course will develop more grammatical concepts through conversation and varied communicative activities. Additional reading and listening begins at this level.

Prerequisite: French 1

631 - 632 FRENCH 3 (alternate years with French 1)

H, CP 1 Credit

TEXT: Varies

This course is a continual development of language skills begun in levels one and two. Through communicative activities focusing on real-life applications, students will gain fresh insights into the language. The course will introduce more complex grammatical structures and higher level vocabulary. The course will pursue supplementary realia to enhance cultural awareness.

Prerequisite: French 2 and teacher recommendation; grade average of 80 or above in French 2.

641 FRENCH 4 (alternate years with French 2)

H 1 Credit

TEXT: Varies

This course is a continual development of language skills begun in previous levels. The course will continue to develop intermediate and advanced language skills in reading, writing, listening, and speaking. The course will continue to emphasize cultural awareness, introducing in-depth study of cultural trends and artifacts. Course incorporates extensive use of supplementary realia and notes to enhance learning.

Prerequisite: French 3 and teacher recommendation; grade average of 80 or above in French 3.

651 - 653 SPANISH 1

H, CP, A 1 Credit

TEXT: Realidades

This is an introduction to the Spanish language at an intense and in-depth level. It is presented in an interesting and stimulating context. The emphasis is on learning useful vocabulary and grammar that will enable students to

attain a measurable degree of proficiency in the four language skills: listening, speaking, reading and writing. At the H level, this course requires daily active participation and outside reading.

661 – 663 SPANISH 2

H, CP. A 1 Credit

TEXT: Realidades

This course is a continual development of language skills begun at level one. There is added emphasis on speaking, creating original conversations, more advanced grammar, and reading comprehension. Cultural exploration will continue with an emphasis on Mexican customs and various genres of music.

671 - 672 SPANISH 3

H, CP 1 Credit

TEXT: Realidades

This course will continue to develop the basic skills of speaking, listening, writing and reading in Spanish. Students will have more opportunities for conversation in authentic situations as well as community performance tasks. They will read more about the culture and customs of Spanish-speaking countries concentrating on the Dominican Republic and surrounding countries in the Caribbean. The students will also learn more advanced grammar to enable them to communicate at a higher level of proficiency.

Prerequisite: an average of 80 in Spanish 2 H and CP; an 85 in Spanish 2 A; teacher recommendation and approval of department chair.

681 - 682 SPANISH 4

H, CP 1 Credit

TEXT: Realidades

This course is a continuation of Spanish 3 and targeted toward students who desire to study Spanish in the future. The students will be introduced to more culture and customs of Spanish-speaking countries. They will have more opportunities for conversation in authentic situations and will learn more advanced grammar. A solid grammatical foundation is required. Students are highly encouraged to take the SAT II: Spanish Test at the conclusion of this course.

Prerequisite: Spanish 3, An average of 80 (H and A; an 85 in Spanish 2, A); teacher recommendation and approval of department chair.

688 ITALIAN 1

CP 1 Credit

Grades 11-12

This course is a one year elective for students interested in Italian language and culture. Italian has a distinct grammar, alphabet, and pronunciation. Students will learn basic Italian vocabulary and will be able to communicate in common situations. Speaking, listening, reading, and writing will be emphasized. Students also will become aware of Italian institutions and art both locally and globally.

695 CHINESE 1

H 1 Credit

This course is intended for students who would like to learn about the Chinese dialect or written Chinese. Mandarin Chinese is based on the Beijing dialect and is the national standard language of the People's Republic of China and the Republic of China (Taiwan). Students will develop practical language skills in listening, speaking, reading and writing in Mandarin Chinese and learn about Chinese culture and customs.

696 CHINESE 2

H 1 Credit

This course extends the basic structure of Chinese 1.

697 CHINESE 3

H 1 Credit

This course is intended for students who would like to enhance their Chinese competence. The goal is growth in listening, speaking, reading and writing and deepened understanding of Chinese culture.

Prerequisite: Chinese 1 and Chinese 2

698 CHINESE 4

H 1 Credit

This course engages students in an exploration of both contemporary and historical Chinese culture and provides students with maximum exposure to authentic culture and language. Students apply their growing cultural knowledge to communicative tasks in real-life contexts and develop ability to write and speak in a variety of discourse styles. This course will be a combination of time with the teacher, on-line resources and independent study.

Prerequisite: Chinese 3

BUSINESS ELECTIVES

721 - 722 PERSONAL FINANCE AND BUSINESS LAW

H, CP 1 Credit Grades 11 & 12

THE FOLLOWING PROGRAMS WILL BE USED: Nefe High School Financial Planning Program, Foolproof Me

TEXTBOOK: Glencoe Business Law

Learn how to handle your personal finances as you study to improve skills for job preparation such as writing resumes, job interview techniques, and dressing for success. After you get your dream job, we will show you how to spend your money wisely. You will learn how to handle your checking and savings accounts. In today's world you must know how to pick the bank that is best for you - one that will save you money and time. We'll even explore banking on line. The internet will be used on a regular basis for research to keep current with the changes that continue to rise in the world of finances. We will study and actively participate in the world of investing. Students will learn how to invest in stocks and bonds. While you increase your knowledge of business law, you will become aware of your rights and responsibilities as a citizen. Some of the subjects covered will be discrimination and harassment in the workplace, juvenile crime, arrests, and family law. This course is beneficial to all students. Guest speakers will enhance the course.

732 ENTREPRENEURSHIP

H, CP 1 Credit Grades 11 & 12

This course introduces students to the process of evaluating, starting, owning and growing their own business. Students will learn what skills it takes to be an entrepreneur and the risks and rewards of becoming a "business

owner”. The course will use real life examples of both successful and unsuccessful entrepreneurs and businesses to reinforce the dynamic aspects of “entrepreneurship”.

The course will introduce the student to the language of business. The course will also introduce the fundamentals of economics and how business functions within a market economy (capitalism). Specific topics covered are: (i) evaluation of a business idea, (ii) types of business ownership, (iii) financing, (iv) marketing, (v) management of employees, (vi) record keeping and basic accounting, (vii) financial statements, (viii) business law and (ix) growing the business including the process of taking your company “public” and trading on the stock market.

Throughout the year, students will create a Business Plan and present their company to classmates as potential investors similar to “Shark Tank” or “The Profit”.

FINE ARTS

835 RELATED ARTS

CP .5 Credit Grade 9

Related Arts is rostered for some freshman students to explore the arts and gain a better understanding of our culture through creativity.

ART STUDIO COURSES

The art program is open to any student in grades 9, 10, 11, and 12 who would like to learn the basics of studio production and art theory. Classes meet every day. NO EXPERIENCE NECESSARY. The majority of class time is devoted to studio projects such as painting still life and landscapes, drawing self-portraits, and sculpture.

861 ART I

H 1 Credit

Students will learn the basics of studio art. Studio art includes: drawing with pencils, charcoal, pastels, pen and ink; painting in watercolor and acrylic paint, and printmaking (linoleum cuts). Basic color and design theory is introduced, along with some art history. Mr. Montgomery’s classes will have homework in form of sketchbook assignments.

862 ART 2

H 1 Credit

Students will continue to develop their skills in the visual arts. The emphasis in Art 2 is on the production of original artwork. The students will become more independent with regard to choices in media and subject matter. Mr. Montgomery’s classes will have homework in form of sketchbook assignments.

Students deemed eligible will participate in the Pre-AP Program towards the middle of the school year. Pre-AP Studio Art is used to prepare eligible students interested in pursuing AP Studio Art the following year. Most work for Pre-AP will be assigned outside of school and over the summer.

Prerequisite: Art 1

863 ART 3

H 1 Credit

This advanced course is offered to those students who have a sincere interest in art and who are not taking AP Studio Art. Help is given to those preparing portfolios for college review. Work on this level is more independent, and geared toward specific majors. Mr. Montgomery's classes will have homework in form of sketchbook assignments.

Prerequisite: Art 2

864 ART 4

H 1 Credit

Art 4 is an extension of Art 3. Students mainly work independently and prepare for college portfolios.

Prerequisite: Art 3

860 AP STUDIO ART (*By Invitation by Chairperson ONLY)

AP 1 Credit

Students deemed eligible will be invited to apply for AP Studio Art. AP Studio Art is an intensive studio course. Over the course of the school year, both inside and outside of school, students will produce a large number of artworks reflecting their mastery of studio skills learned. These works will become a part of their AP Portfolio, which is divided into three sections: Breadth, Concentration, and Quality. The goal is to submit the AP Portfolio to the College Board for review and possible college credit.

Students in AP are required to take the Advanced Placement Exam. Colleges give successful candidates College Credits for this course.

865 GRAPHIC DESIGN

H 1 Credit Grades 11 & 12

Graphic Design is intended to introduce students to digital media and computer based design. The course will draw on student's creativity to produce works of art using digital cameras, scanners, and computers. Students will increase skills in a variety of applications that can then be applied to work in educational and professional settings. A basic understanding of computer applications is expected. Students will gain a mastery of the following tasks: Students will explore careers in digital arts, photography, and illustration, advertising, interior and graphic design. Students will become familiar with the elements and principles of art. Students will be introduced to Adobe Photoshop Elements and the basics of web design. (Elective: Grades 11 and 12)

MUSIC

Music at Little Flower blends class instruction with before and after school activity. This combination provides a subject that is co-curricular. Instructional techniques vary from large classroom presentations, to small studio ensembles, to individual coaching. Young women who are looking for cultural exposure, involvement, and a means of self-expression will consider Music as an integral part of their education. The faculty is comprised of two music teachers who are assisted by instrumental and theater specialists. This expertise produces experiences as varied as a classical instrumental ensemble to a contemporary swing chorus.

Materials and Texts: because of the uniqueness of music education, basic methods and theory texts and materials are chosen to meet the needs of individual students and to satisfy the major performance commitment for each quarter of the school year. The instrumental and vocal libraries encompass materials from a wide variety of musical genres: Christmas, Classical, Folk, Jazz, Liturgical, Rock, Novelty, Patriotic, Pop, Sacred, and Secular.

Requirements: no previous musical expertise is required for acceptance into the department. Classes range from beginning levels to advanced musicianship. The students are grouped according to degrees of proficiency. The basic requirement is the desire to learn and to share this knowledge with others through performance. Each level carries greater opportunity for performance and performance requires rehearsals.

PERFORMING ORGANIZATIONS

Instrumental

Orchestra II, III, IV
Graduation Orchestra I, II, III, IV

Vocal

Chorus
Freshmen Chorus

INSTRUMENTAL MUSIC I

H 1 Credit

Instrumental Music I is a major subject and students are rostered for a daily class period. Beginners who aspire to membership in the Orchestra are taught the fundamentals of a particular instrument. These young musicians make their debut at the Beginner Recital held in December. As these beginners advance to the intermediate level they begin attending all scheduled afterschool rehearsals. These afterschool rehearsals usually begin in the second semester. All Instrumental Music students are required to attend their one-on-one music lessons during their lunch period once a week.

INSTRUMENTAL MUSIC II, III, IV

H 1 Credit

Instrumental Music II, III, IV is a major subject and students are rostered for a daily class period. These musicians form the Orchestra that is the official instrumental group for the school. These young women commit themselves to participation in the major Little Flower performances such as the Christmas Concert, Spring Concert, and the Graduation Exercises. Students in Music II, III, IV become the Show Band and thus have a major performance commitment for each quarter of the school year. These instrumentalists also provide appropriate accompaniment for the various Liturgical Celebrations. Instruction emphasizes tone (quality, intonation, control, volume); technique (fluency, precision, range); reading (notes, keys, rhythm, articulation); interpretation (tempo, dynamics, style, phrasing); and leadership (personality, attitude, alertness, initiative). All Instrumental Music students are required to attend their one-on-one music lessons during their lunch period once a week.

VOCAL MUSIC

841 VOCAL MUSIC

H 1 Credit

Students that display an interest in vocal are rostered for one period of music during the school day. Instruction focuses on tone production, breathing techniques, diction, note reading and musical terms, choreographed body movement and stage deportment. Students commit themselves to perform in both major music activities (Christmas Concert and Spring Concert). Performances also may include Little Flower's assemblies and

liturgies as well as public performances outside of school. Students are required to participate in all scheduled after-school rehearsals. In addition, students are encouraged to participate in Little Flower's annual musical production.

842 ADVANCED VOCAL MUSIC

H 1 Credit

This course is open to any sophomore, junior and senior who wishes to pursue Vocal Music as a major subject. Acceptance is dependent on instructor's recommendation. Instruction is more intense than Vocal Music 841 and focuses on all aspects of vocal technique as well as sight singing. Activities also include listening to and analyzing the music of the masters. Students commit themselves to perform in both major music activities (Christmas Concert and Spring Concert). Performances also may include Little Flower's assemblies and liturgies as well as public performances outside of school. Students are required to participate in all scheduled after-school rehearsals. In addition, students are encouraged to participate in Little Flower's annual musical.

PHYSICAL EDUCATION/HEALTH DEPARTMENT

Physical Education and Health are required for graduation from high school in the Commonwealth of Pennsylvania. This requirement is usually fulfilled in tenth or eleventh grade. Each student is rostered for three days out of six throughout the year.

812 PHYSICAL EDUCATION

CP .5 Credit

One of the major goals of this course is the physical development of the student through human movement. The course provides the student with fundamental skills in team, dual, and individual sports so that she may better utilize her leisure time. The units include physical fitness, soccer, volleyball, dance, gymnastics, golf, and badminton.

822 HEALTH EDUCATION

CP .5 Credit

This course is designed to present important health information and to motivate the student towards sound decision-making that will lead to optimum health. The units covered will be psychoactive substances, disease, nutrition, mental health, and physical development.

AUXILIARY PROGRAMS

913 SUCCESS CENTER

A 1 credit

Students with IEPs that require support beyond the regular classroom are scheduled in the Success Center for 1 period per day. Students work on a positive mind set, organization, goal setting, and foundational skills. The Center provides a venue for modified testing, extended time , small group test, homework and project reminders.

914 LANGUAGE SKILLS IMPROVEMENT

A 1 Credit

This program, provided for through Title 1, is designed to offer English language instruction to students who are speakers of other languages (ESOL). In the ESOL program we employ a communicative approach to learning English. This approach incorporates the four skills of reading, writing, speaking, and listening, along with English grammar and vocabulary (both academic and social) into meaningful, relevant, and authentic contexts, engaging students fully in language learning. Students are immersed in the language and culture with full support as they transition towards self-sufficiency in their academic subjects and acclimate to the culture. As a valued part of the Little Flower community, ESOL students are encouraged to participate in school activities, enriching their educational experience as they achieve English proficiency.

924 CRITICAL READING SKILLS

A 1 credit Grade 9

This course is offered to students who might profit from further help in reading or study skills. The classes are funded by Act 89.

CORA offers additional study skills classes and guidance programs on an elective basis. Students accepted for the reading and study skills program must meet certain criteria.

944 MATH ENRICHMENT

A 1 credit Grade 9

Students whose standardized testing or math grades indicate a need for extra support in math are enrolled in this course. This course supports the Algebra 1 course by providing extra reinforcement and review. The course also addresses other areas of math weakness that are identified by standardized testing.

**JESUIT VIRTUAL LEARNING ACADEMY (JVLA)
ONLINE LEARNING PROGRAM**

Little Flower has a subscription to the Jesuit Virtual Learning Academy. Juniors and Seniors may select online classes from JVLA courses listed below. There is an additional tuition for each JVLA course, which Little Flower will share equally with parent.

950-959 JESUIT VIRTUAL LEARNING ACADEMY (JVLA)

AP or H 1 credit for a Full Year Course and .5 credits for Semester Course

Prices are \$370 for a full year course and \$265 for a semester length course. Little Flower is committed to subsidizing one-half of the cost of JVLA courses which reduces the financial obligation to \$185 and \$132.50, respectively. Little Flower also reimburses the cost of textbooks and other course materials.

Full Year Courses

AP Art History

Art or Social Studies

Suggested: Juniors and Seniors

AP Calculus BC

Mathematics

Suggested: Juniors and Seniors

AP Comparative Government and Politics

Social Studies

Suggested: Juniors and Seniors

AP Computer Science

Computer Science

Suggested: Juniors and Seniors

AP Environmental Science

Science

Suggested: Juniors and Seniors

AP Music Theory

Art

Suggested: Juniors and Seniors

AP Psychology

Social Studies

Suggested: Juniors and Seniors

AP Spanish Literature and Culture

Modern Languages

Suggested: Juniors and Seniors

AP Statistics

Mathematics

Suggested: Sophomores, Juniors and Seniors

AP United States Government and Politics

Social Studies

Suggested: Juniors and Seniors

AP World History

Social Studies

Suggested: Sophomores, Juniors and Seniors

Arabic Level I

Modern Languages

Suggested: Sophomores, Juniors and Seniors

Semester-Length Courses*

AP Macroeconomics

Social Studies

Suggested: Sophomores, Juniors and Seniors

AP Microeconomics

Social Studies

Suggested: Sophomores, Juniors and Seniors

Astronomy: An Introduction

Science

Suggested: Juniors and Seniors

Bioethics: Navigating the Ethical Dilemmas of our Future

Theology

Suggested: Juniors and Seniors

C++ Programming

Computer Science

Suggested: Sophomores, Juniors and Seniors

Computer Game Development

Computer Science

Suggested: Sophomores, Juniors and Seniors

Computer Science Principles

Computer Science

Suggested: Freshmen, Sophomores, Juniors and Seniors

Database Development Using Microsoft Access

Computer Science

Suggested: Sophomores, Juniors and Seniors

Digital Photography

Art

Suggested: Freshmen, Sophomores, Juniors and Seniors

Genocide and the Holocaust

Social Studies

Suggested: Juniors and Seniors

How to Read Plays ... and How to Write One

English/Communications

Suggested: Sophomores, Juniors and Seniors

Making of Modern Latin America

Social Studies

Suggested: Juniors and Seniors

Full Year Courses

Arabic Level II

Modern Languages

Suggested: Sophomores, Juniors and Seniors

Chinese Mandarin Level I

Modern Languages

Suggested: Sophomores, Juniors and Seniors

Chinese Mandarin Level II

Modern Languages

Suggested: Sophomores, Juniors and Seniors

Italian Level I

Modern Languages

Suggested: Freshmen, Sophomores, Juniors and Seniors

Italian Level II

Modern Languages

Suggested: Sophomores, Juniors and Seniors

Latin Level I

Modern Languages

Suggested: Freshmen, Sophomores, Juniors and Senior

Latin Level II

Modern Languages

Suggested: Sophomores, Juniors and Senior

Multivariable Calculus

Mathematics, Dual Credit through Creighton University

Suggested: Juniors and Seniors

Semester-Length Courses*

Model United Nations/International Relations (MUNIR)

Social Studies

Suggested: Juniors and Seniors

Multimedia Authorship -- The Power of Words and Images

English/Communications

Suggested: Juniors and Seniors

Playing with Legos: – An Introduction to Computer Programming Through Lego Building

Computer Science

Suggested: Freshmen and Sophomores

Principles of Engineering

Science

Suggested: Sophomores, Juniors and Seniors

**Courses are split between the Fall and Spring terms.*

DUAL ENROLLMENT OPPORTUNITY:

Little Flower /Holy Family University Partnership:

Junior and senior students may take college classes at Holy Family University at a significantly reduced rate while attending Little Flower. Course information may be found on Holy Family University website. Please contact Mr. Rosbach in Academic Affairs for additional information.



Grade 9

Plan

- Start planning now! Take the right courses and earn the best grades you can.
- Ask your counselor for a list of your high school's NCAA core courses to make sure you take the right classes. Or, find your high school's list of NCAA core courses at eligibilitycenter.org.

Grade 10

Register

- Register with the NCAA Eligibility Center at eligibilitycenter.org.
- If you fall behind on courses, don't take shortcuts to catch up. Ask your counselor for help with finding approved courses or programs you can take.

Grade 11

Study

- Check with your counselor to make sure you are on track to graduate on time.
- Take the ACT or SAT and make sure we get your scores by using code 9999.
- At the end of the year, ask your counselor to upload your official transcript.

Grade 12

Graduate

- Take the ACT or SAT again, if necessary, and make sure we get your scores by using code 9999.
- Request your final amateurism certification after April 1.
- After you graduate, ask your counselor to upload your final official transcript with proof of graduation.

NCAA Eligibility Center

For more information:
eligibilitycenter.org
NCAA.org/playcollegesports

Search Frequently Asked Questions:
NCAA.org/studentfaq

Follow us on Twitter:
[@ncaa_ec](https://twitter.com/ncaa_ec)



NCAA Eligibility Center

eligibilitycenter.org

If you want to play sports at an NCAA Division I or II school, start by registering with the NCAA Eligibility Center at eligibilitycenter.org during your sophomore year. We support you and your high school by providing resources to help you meet the initial eligibility standards to participate in college sports.

Core Courses

NCAA schools require college-bound student athletes to build a foundation of high school courses to prepare them for the college classroom. Not all high school classes count as NCAA core courses. Only classes in English, math (Algebra 1 or higher), natural or physical science, social science, foreign language, comparative religion or philosophy may be approved as NCAA core courses. Visit eligibilitycenter.org for a full list of your high school's core courses.

This simple formula will help you meet the 16 core-course requirement:

- 4X4 = 16**
- 4 English courses (one per year)
 - 4 math courses (one per year)
 - 4 science courses (one per year)
 - 4 social science (and/or additional) courses (one per year)

16 NCAA CORE COURSES

Grade-Point Average

The NCAA Eligibility Center calculates your grade-point average (GPA) based on the grades you earn in NCAA-approved core courses.

Test Scores

You may take the ACT or SAT as many times as you want before you enroll full time in college, but remember to list the NCAA Eligibility Center (code 9999) as a score recipient whenever you take a test. If you direct the ACT or SAT to send us your scores every time you take a test, we will choose the best scores from each test subject to create your sum score. We can only accept official test scores from ACT or SAT and we can't use the scores from your high school transcript.

ACADEMIC STANDARDS

DIVISION I

To play sports at a Division I school, you must graduate high school and meet ALL the following requirements:

- Complete 16 NCAA core courses:
 - 4 years of English
 - 3 years of math (Algebra 1 or higher)
 - 2 years of natural/physical science (including one year of lab science if your high school offers it)
 - 2 years of social science
 - 1 additional year of English, math or natural/physical science
 - 4 additional years of English, math, natural/physical science, social science, foreign language, comparative religion or philosophy
- Complete 10 core courses, including seven in English, math or natural/physical science, before the start of your seventh semester. Once you begin your seventh semester, you may not repeat or replace any of those 10 courses for GPA improvement.
- Earn at least a 2.3 GPA in your core courses.
- Earn an SAT combined score or ACT sum score that matches your core-course GPA on the Division I sliding scale for students enrolling on or after August 1, 2018.



DIVISION II

To play sports at a Division II school, you must graduate high school and meet ALL the following requirements:

- Before August 1, 2018**
- Complete 16 high school core courses.
 - Earn at least a 2.000 GPA in your high school core courses.
 - Earn a combined SAT score of 820 or an ACT sum score of 88.
- After August 1, 2018**
- Complete 16 high school core courses.
 - Earn at least a 2.200 GPA in your high school core courses.
 - Earn the SAT or ACT score that matches your core-course GPA (minimum 2.200) on the Division II competition sliding scale.

Core Courses for Division II

To play sports at a Division II school, you must complete these NCAA core courses:

- 3 years of English
- 2 years of math (Algebra 1 or higher)
- 2 years of natural or physical science (including one year of lab science if your high school offers it)
- 3 additional years of English, math or natural or physical science
- 2 years of social science
- 4 additional years of English, math, natural or physical science, social science, foreign language, comparative religion or philosophy

DIVISION III

Division III schools provide an integrated environment focusing on academic success while offering a competitive athletics environment. While Division III schools do not offer athletics scholarships, 75 percent of Division III student-athletes receive some form of merit or need-based financial aid.

If you are planning to attend a Division III school, you do not need to register with the NCAA Eligibility Center. Division III schools set their own admissions and eligibility standards. You can visit NCAA.org/d3 or contact the Division III school you are planning to attend.

