

Little Flower Catholic High School for Girls

1000 W. Lycoming Street

Philadelphia, PA 19140

215-455-6900

Academic Course of Study

2022-2023





Dear Parents, Guardians, and Students at Little Flower Catholic High School:

The Course Catalog for 2022-23 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.

Course selection is an exciting time of year. You want to be sure you register for courses that will challenge, support and prepare you for the next steps in your high school career and your future goals. Ms Radebaugh, APAA, will speak to each grade and their parents/guardians to review the course selection process, required courses and options for electives for each class. General questions will be addressed in our presentations and you may ask specific questions at another time in the Academic Affairs Office through appointment.

You will also meet with a special course selection advisor who will help you fill out a planning form. This form will help you plot out the courses you might take over all four years at Little Flower. This is not a binding document, just a way to help you think about your courses in relation to your college and career goals. Students need to turn this form into the Academic Affairs Office before registering for classes on Powerschool.

Most importantly, I encourage you to read through the course catalog carefully with each other and reflect on your hopes and ambitions for your post-high school journey. 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.

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

May God Bless you,

A handwritten signature in black ink that reads "Colette Weber". The signature is written in a cursive style.

Preface

This Academic Catalog 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 her assigned advisor 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. Teachers and the student's assigned advisor will review the options available to the students and recommend courses. Students or parents with further questions are urged to contact the assigned advisor and Assistant Principal for Academic Affairs.

It is our belief that students should select courses based on the necessary requirements and student choice. We are constrained on some levels by our scheduling so we ask all students (especially upperclassmen) keep in mind alternatives for their electives. Many of our courses are in need of prerequisites and recommendations from teachers. We ask students to review the course descriptions and requirements needed.

For our incoming freshmen class, the course selection process is based on student choice, the incoming transcripts, and the results of the High School Placement test. For our incoming transfer students, rosters will be created based on prior credits received from an accredited educational institution and student choice. Teachers and counselors, subject to the approval of parents, recommend the level for upperclassmen. The level of each course is clearly indicated in this catalog. Normally the following can be used as a guide to curriculum levels:

- **International Baccalaureate (IB)**
Courses designed with an inquiry based approach for critical thinking and solving complex problems based on a clear rubric for assessment
- **Advanced Placement (AP)**
Courses that follow the syllabi of the Advanced Placement Program of the College Board; college level courses for Diocesan Scholars or dual credit courses subject to our partnership agreement.
- **Honors (H)**
Advanced classes, stressing a robust knowledge of grade level content in order to achieve mastery of all Common Core Standards for major subjects and electives.
- **College Preparatory (CP)**
College preparatory courses, providing students grade level content with scaffolding techniques for students to achieve mastery in many of the Common Core Standards for major subjects and electives.
- **Academic (AC)**
Courses are designed for students with grade level content and taught through differentiated instruction and various scaffolding techniques to achieve proficiency in standards.

Course Selection will be completed through sessions with one's advisor and PowerSchool. Each student will meet with her assigned advisor to map out a trajectory of courses based on need and student choice. Once the form is approved by the advisor and parent/guardian, students will select required, elective and alternative courses on PowerSchool. Our students must turn in their completed and signed course selection form to the Office of Academic Affairs.

Course choices in PowerSchool indicate departmental approval of the courses offered to that individual student. Faculty members recommend students enroll in a particular course or level. If the parents feel strongly that the student should take that course or level, 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 level 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 is 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. A student's alternate choices may be substituted for any requested courses that must be canceled. Students should check their school email accounts regularly during the summer for course selection notifications.

Not all courses are guaranteed. Student choice, teacher capacity, and enrollment numbers are all factors in deciding the master roster. After July 1st until rosters are issued, it is not possible to accommodate a roster change due the Power School system. There will be a drop/add period from August 8th to August 12th. An appointment is required with the Office of Academics. A drop/add fee of \$50 will be issued.

THEOLOGY

The overall goal of Little Flower’s Theology Department is to foster within our students a personal relationship with Jesus that will serve as a guide, a strength, and an inspiration throughout their lives well beyond their time at Little Flower. This is accomplished through prayer, Sacramental participation, service learning, a focus on the spirituality of our Patroness St. Therese, and an inquiry based approach to subject acquisition, as students are challenged to form firm foundations of discipleship that lead to making a positive difference in the larger world. We follow a 4-year curriculum set forth by the United States Conference of Catholic Bishops.

The courses are outlined here:

<p>9th Grade: <i>Semester 1: The Revelation of Jesus Christ in Scripture</i> <i>Semester 2: Who Is Jesus Christ?</i></p>	<p>11th Grade: <i>Semester 1: Sacraments as Privileged Encounters with Jesus Christ</i> <i>Semester 2: Life in Jesus Christ (Morality)</i></p>
<p>10th Grade: <i>Semester 1: The Mission of Jesus Christ (The Paschal Mystery)</i> <i>Semester 2: Jesus Christ’s Mission Continues in the Church</i></p>	<p>12th Grade: <i>Semester 1: Living as a Disciple of Jesus Christ in Society (Social Justice)</i> <i>Semester 2: Responding to the Call of Jesus Christ (Vocation)</i></p>

We also offer two electives - *Latin: The Language of the Church* and *Church History*. These electives offer students an opportunity to strengthen their understanding of worship, Sacred Scripture, and the inspirational language of the Church. This class broadens students’ perspective on the modern Catholic Church and prepares them to walk the journey of faith confidently. Discussions about faith based practices and influential figures of the Church are central to these electives.

112 THEOLOGY 1

CP 1 credit

First Semester

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.

Second Semester

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 2

CP 1 credit

First Semester

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.

Second Semester

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.

132 THEOLOGY 3

CP 1 credit

First Semester

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.

Second Semester

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.

142 THEOLOGY 4

CP 1 credit

First Semester

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.

Second Semester

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

CP .5 credit Grades 11,12 One semester

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

The English department aims to foster the growth of each student's ability to read, understand, write, and speak effectively, following the guidelines of Archdiocesan Common Core Standards. We strive to broaden each student's vocabulary, sharpen her skills in writing, standard usage, and grammar, and encourage the development of a passion for reading.

In order to best accomplish these goals, our four-year program aims to achieve these objectives:

- Increase a student's fluency of language through the study of vocabulary and adoption of standard usage
- Encourage a student's comfort and confidence in speaking through class discussion and student presentations
- Add to a student's skill set through instruction in standard forms and conventions of the English language
- Develop a student's writing skills in all modes, especially those most important to career and college readiness; for example, informational, narrative, argumentative, and research-based.
- Demonstrate the usage of library digital databases, the practice of note taking from sources, and the documentation required
- Foster an appreciation and understanding of literature in all its forms which will lead to life-long reading
- Expand the critical thinking of a student based on closer examination and discussion concerning literature
- Widen a student's familiarity with diverse literature in all its forms through the study of novels, poetry, short stories, dramas, and non-fiction works
- Grow a student's comprehension of both content and style in writing

211 – 213 ENGLISH 1

CRITICAL READING, WRITING, AND SPEAKING SUPPORTED THROUGH GENRE STUDIES
H, CP, AC 1 credit Grade 9

English 1 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.

221 - 223 ENGLISH 2

CRITICAL READING, WRITING, AND SPEAKING SUPPORTED THROUGH GENRE STUDIES
2

H, CP, AC 1 credit Grade 10

English 2 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.

230 AP ENGLISH LANGUAGE 3

ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION

AP 1 credit Grade 11

In the AP Language course, students expand their ability to read critically and to write analytically through extensive reading and continual writing. Students read a variety of literature, especially non-fiction, ranging from historical documents to modern personal narratives. Though many modes are both read and discussed, the main focus is on analysis, argument and synthesis. These are accompanied by instruction in the rhetorical devices used by writers for the dual purpose of a deeper understanding of what is read and an expansion of the student's own personal toolbox to utilize when writing.

Students are required to take the advanced placement examination. Colleges may give successful candidates college credits for this course. The AP fee is \$95 for each exam. Students who qualify for a fee reduction pay \$53 for each exam. Prerequisite: AP Form must be completed

231 – 233 ENGLISH 3

CRITICAL READING, WRITING & SPEAKING SUPPORTED THROUGH AMERICAN STUDIES

H, CP, AC 1 credit Grade 11

English 3 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 AP ENGLISH LITERATURE 4

ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION

AP 1 credit Grade 12

AP English Literature and Composition gives students a learning experience that is equivalent to a typical college introduction to literature class. Through close readings of literary texts, the students will have the opportunity to understand how writers use language to find meaning. The analysis of various works of literature includes style and structure, diction, imagery, rhetorical strategies, and selection of detail. Writing skills are a key factor in succeeding in this course. Students will be writing a variety of essays throughout the course. **Students are required to take the advanced placement examination. Colleges may give successful candidates college credits for this course. The AP fee is \$95 for each exam. Students who qualify for a fee reduction pay \$53 for each exam.**

Prerequisite: AP Form must be completed

241 – 243 ENGLISH 4

ADVANCED CRITICAL READING, WRITING, AND SPEAKING SUPPORTED THROUGH CONTEMPORARY AMERICAN AND WORLD STUDIES

H, CP, AC 1 credit Grade 12

English 4 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 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 and World studies.

SOCIAL STUDIES

The Social Studies department at Little Flower produces highly analytical students who can comfortably discuss ancient civilizations, modern American government and the cultural foundations of our nation. We believe that social studies fluency increases students' success in college, graduate school and all workplaces. In turn, informed citizens promote the well-being of our city and nation - both at home and abroad.

Little Flower requires students to take three specific Social Studies courses that are designed to develop a working knowledge of global and national historic processes as well as current catalysts:

- ❖ Freshmen study World History which is a course designed to introduce and amplify the historic contributions made by great global civilizations found in every facet of life: technology, religion, justice, government, literature, science, economics, art and architecture. Students acquire historical knowledge of these disciplines by examining the geographical origins of great civilizations, studying the stories of their peoples, learning research skills, and producing projects that replicate the lives of historic peoples from various points of view.
- ❖ Sophomores take an American Government course that investigates the origins and current practices of our democratic republic. Students examine the structures of the Constitution, the Bill of Rights, Congress, the Courts and the Presidency. By researching the evolution of civil rights in the history of the Supreme Court, students immerse themselves in the struggle for justice and learn the antecedents of social change. By pursuing balanced information about current political developments, government students also learn to civilly articulate both sides of any present-day argument.

Sophomores also have the option to apply to take AP American Government.

- ❖ Juniors build upon the interdisciplinary skills learned in the 9th grade and the art of political discourse introduced in the 10th grade to become apprentice historians while learning the story of American History - both in the classroom and in the field. Students read intensively and take notes carefully to be able to communicate informed analyses of important topics in American history: the cultural origins of the Constitution and its dissolution; the struggle for equal justice and opportunity; the roar of technological and scientific development; and, the mantle of world leadership. In groups, students work in the field to study American architecture and material culture that has been preserved in Philadelphia. Individually, students undertake to research, notate, organize and present an apprentice documentary on an interdisciplinary topic from the extraordinary 20th Century.

Juniors also have the option to apply to take AP U.S. History.

Senior electives for Little Flower students include both one semester and year-long classes:

Year-long classes:

AP American Government

AP U.S. History

Comparative Government and Economic Systems

Contemporary American Studies and Contemporary World

Psychology and Child Development

Theory of Knowledge

One Semester Classes:

Street Law

World Geography and Culture

African American Studies

Case Studies in Civil Rights

311-313 WORLD HISTORY

H, CP, AC 1 credit

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.

321 AMERICAN GOVERNMENT AND POLITICS

H, CP, AC 1 credit

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

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 \$95 for each exam. Students who qualify for a fee reduction pay \$53 for each exam. Prerequisite: AP Form needed.**

331 - 332 UNITED STATES HISTORY

H, CP 1 credit

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

AC 1 credit

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

This course fulfills the sophomore social studies requirement and is also open to seniors. This course focuses on the constitutional underpinnings of the 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 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 \$95 for each exam. Students who qualify for a fee reduction pay \$53 for each exam. Prerequisite: AP Form needed.**

372 AMERICAN STREET LAW

CP .5 credit One semester 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.

373 WORLD GEOGRAPHY

CP .5 credit One semester Grades 10, 11, 12

This semester elective course will explore the five fundamental themes of geography while responding to the specific interests and needs of the students. Opportunities to "travel" the areas we study will occur through in-class research, videos, and various programs designed to sharpen geographic knowledge and global awareness.

391 COMPARATIVE GOVERNMENT AND ECONOMIC SYSTEMS

AP, H, CP 1 credit Grade 12

Students will analyze the basic characteristics and development of government and economic systems. Utilizing this knowledge, students will analyze the relationship between political and economic institutions in various countries and the effect these institutions have on domestic and international policies.

392 PSYCHOLOGY AND CHILD DEVELOPMENT

CP 1 credit Grade 12

This elective 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.

393 CONTEMPORARY AMERICAN STUDIES AND CONTEMPORARY WORLD

H 1 credit

This course is designed as an independent study class emphasizing historical research into contemporary topics facing American citizens at home and abroad. Students will be directed in a research project project that will focus on the theme used by the National History Day program. Students will be invited to enter their project into the annual competition.

394 IB THEORY OF KNOWLEDGE

IB 1 credit Grade 12 (priority), Grade 11

Theory of Knowledge is a course about critical thinking and inquiring into the process of knowing, rather than learning a specific body of knowledge. The course examines how we know what we claim to know, why we believe what we claim to believe, how we decide what to accept as truth. It does this by encouraging students to analyze ideas, to consider multiple perspectives, and to move towards and understanding that others, with different ideas, may also be right. The course places a heavy emphasis on listening to the ideas of others, of reading essays from various areas of knowledge, and by accepting the premise that we can understand and appreciate other perspectives without having to accept them as necessarily true or false. It is not a debating society: the goal in Theory of Knowledge is to deepen our understanding of the academic subjects we study through discussion, inquiry and contemplation, not to win arguments or prove oneself correct. The primary modes of assessment will be journals, essays and presentations.

395 AFRICAN AMERICAN STUDIES

CP 0.5 credit One semester Grades 11, 12

This is a half-year elective course which explores the cultural, political and social history of African Americans from the Middle Passage through contemporary American life. Through this course students will develop a deeper understanding of the intricate ways in which African Americans have influenced and shaped the history and culture of the United States. In this course, students will examine the historical approaches to understanding the experiences and contributions of African Americans in the United States.

396 CASE STUDIES IN CIVIL RIGHTS

CP 0.5 credit One semester Grades 11, 12

This semester Guided Seminar course invites students to explore landmark Supreme Court Civil Rights Cases from their historical roots through their contemporary impact. Students will work individually and in groups to research specific cases impacting various minority and historically marginalized groups including Native Americans, women, immigrants, African Americans, people with disabilities, followers of specific religious beliefs among others. They will share their results using debate, oral presentations, written presentations and Socratic seminar.

SCIENCE

The **Science Department** at Little Flower believes that science is amazing, explores the wonder of God’s creation, and never stops asking “why” and “how.” Our students learn through lecture and experimentation, group work and problem solving while covering the core Standards. We believe that science has the power to change lives and impact local and global communities.

Freshmen are introduced to the scientific method, data gathering and analysis, critical thinking and problem-solving. As the coursework continues into sophomore and junior year, science students build on these foundational skills and relate their knowledge to new problems and topics. All students take physics, chemistry, and biology, and then can choose from a wide range of science electives. Many students double up in coursework in junior and senior year.

Our teachers are dedicated, experienced, and passionate about science. We believe that every student can succeed. We challenge preconceived notions, encourage curiosity, and prepare each student for college and career goals. The success of the science department lies in our graduates who dreamed of becoming engineers, doctors, nurses, or occupational therapists and had the tools to achieve it.

Grade 9	Grade 10	Grade 11	Grade 12
Honors Biology	Honors Chemistry	AP Chem, Chem 2, AP Biology	AP Physics, Honors Physics
CP Conceptual Physics	CP Chemistry	CP Biology	AP Bio, Chem 2, CP, AC Anatomy and Physiology, CP Physics, Forensic Science, Environmental Science
AC Conceptual Physics	AC Chemistry	AC Biology	Chem 2, CP, AC Anatomy and Physiology, Forensic Science, Environmental Science

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 CONCEPTUAL PHYSICS

AC 1 credit Grade 9

TEXT: Physics: A First Course by Tom Hsu

This course 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.

414 AP CHEMISTRY

AP 1 credit Grade 11/12

AP Chemistry provides a college-level foundation to support future advanced coursework in chemistry. Students will develop their understanding of chemistry by using inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, creating models and representations, applying mathematical routines, developing a scientific argument, and connecting concepts in and across domains. This course is designed to be the equivalent of the general chemistry course usually taken during the first year of college.

Students should have successfully completed Chemistry (88 average) and Algebra II (85 average) and are required to take the AP exam in May. The AP fee is \$95 for each exam. Students who qualify for a fee reduction pay \$53 for each exam.

Lab Requirement: This course requires that students engage in lab investigations. This includes a minimum of 16 hands-on labs (at least six of which are inquiry-based). It is recommended that students keep a lab notebook throughout.

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: TBD

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

AC 1 credit Grade 10

TEXT: TBD

Course 423 follows the same program as Course 422.

431 – 433 BIOLOGY

H, CP, AC 1 credit Honors (Grade 9) CP, AC (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 11, 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.

Prerequisites: Physics, Chemistry, and Biology

440 AP PHYSICS C MECHANICS WITH INTRODUCTION TO ENGINEERING

AP 1 credit Grade 12

AP Physics C Mechanics is a rigorous course which focuses on topics in mechanics as recommended by the College Board. This course will also introduce students to CAD as a vital tool in engineering design and Arduino coding as a language of electronic circuit control. Students selecting this course should have a strong background in mathematics. Instruction in basic concepts from calculus will be provided as needed to solve the physics problems. This course is strongly recommended for anyone planning on majoring in engineering, mathematics, computer science or any other technology related field. Enrollment in the course will be limited.

Candidates must apply and will be selected based on their performance in their previous physics course, mathematics grades, and academic record. The students must have already received credit for a high school level physics course to qualify for this class. **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 \$95 for each exam. Students who qualify for a fee reduction pay \$53 for each exam.**

441 – 442 PHYSICS

H, CP 1 credit Grades 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 for Honors: Chemistry, Algebra 2, concurrent enrollment in Pre-Calculus, Prerequisite for CP: Chemistry, Algebra 2

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' application is required. Minimum prior science course grades of 80. **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 \$95 for each exam. Students who qualify for a fee reduction pay \$53 for each exam.**

Prerequisite: Chemistry, Biology

452 - 453 ANATOMY & PHYSIOLOGY

CP, AC 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 minimum average of 80 in Biology

436 FORENSIC SCIENCE

CP .5 credit One semester Grade 12

TEXT: Forensic Science: Fundamentals and Investigations, Bertino & Bertino

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, a minimum average of 80 in previous science course

437 ENVIRONMENTAL SCIENCE

CP .5 credit One semester 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, (minimum Biology/Chemistry grade of 80) a minimum average of 80 in previous science course

MATHEMATICS

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.

The Math department at Little Flower promotes and supports mathematical reasoning and thinking. The teachers meet the needs of the students by developing and challenging their abilities. One goal is to help the students understand the mathematical ideas and the relationships between them. Our teachers set high learning standards and provide support for all learners. Our curriculum emphasizes problem solving, logical thinking, and an awareness of the applications of mathematics to real- world situations.

The Mathematics department believes that students at Little Flower should explore computations and applications in order to develop problem solving skills and analytical tools. We want every student to feel empowered and comfortable with the productive struggle, and completely shatter any former notions of math-phobias. As a freshman student progresses from key concepts taught in Algebra 1 like ratios, proportions, rates, conversions using formulas computation, and properties of real numbers, it is the goal to provide a strong foundation for Geometry and Algebra 2. Students also build the confidence they need to continue their mathematical career by choosing from several electives such as Pre-Calculus, College Algebra and Trigonometry, AP Statistics and AP Calculus.

Grade 9	Grade 10	Grade 11	Grade 12
Honors Algebra 1	Honors Geometry	Honors Algebra 2	Honors Pre-Calculus/Trig, Statistics or AP Statistics
Honors Algebra 1	Honors Geometry and Honors Algebra 2	Honors Pre-Calculus/Trig, CP Statistics <i>or</i> AP Statistics	AP Calculus AB, CP Statistics <i>or</i> AP Statistics
Honors Algebra 1 <i>and</i> Honors Geometry	Honors Algebra 2		
Honors Geometry (for students who passed a comprehensive Algebra test)	Honors Algebra 2	Honors Pre-Calculus/Trig, CP Statistics <i>or</i> AP Statistics	AP Calculus AB, CP Statistics <i>or</i> AP Statistics
CP Algebra 1	CP Geometry	CP Algebra 2	CP Pre-Calculus/Trig <i>and/or</i> CP Statistics
AC Algebra 1 <i>and</i> CP Math Skills	AC Geometry	AC Algebra 2	AC College Algebra/Trigonometry

511 HONORS ALGEBRA 1

H 1 credit Grade 9

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 1

CP 1 credit Grade 9

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 1

AC 1 credit Grade 9

Course 513 follows the same basic program and structure as Course 512.

515 MATH SKILLS

Math Skills provides support for Algebra 1 class through review and extra practice. Students will also receive extra individual instruction on objectives that are recommended as a result of the Scantron Performance Series assessments in mathematics and algebra.

521 HONORS GEOMETRY

H 1 credit Grade 10

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

Course 522 follows the same basic program and structure as Course 521.

523 GEOMETRY

AC 1 credit Grade 10

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 2

H 1 credit Grade 10

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 2

CP 1 credit Grade 11

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 2

AC 1 credit Grade 11

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

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. 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. **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 \$95 for each exam. Students who qualify for a fee reduction pay \$53 for each exam.**

Prerequisite: average of 80 in Honors Pre-Calculus/Trigonometry

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. 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-Calculus/Trigonometry (CP).

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. 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 2 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. 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 2 or instructor's recommendation

543 COLLEGE ALGEBRA/TRIGONOMETRY

AC 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 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 2 or instructor's recommendation

546 STATISTICS

H/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. 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 2 (H, CP) and recommendation of department chairperson.

547 AP STATISTICS

AP 1 credit Grade 11-12

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

This is a college level course in statistics “to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data” (The College Board). Students will explore the four broad conceptual themes outlined by The College Board: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. The course follows the course description and topic outline in the College Board AP Statistics Course Description Booklet. **Students taking this course are required to take the AP exam in May. Admission to the course is contingent upon the instructor’s approval. The AP fee is \$95 for each exam. Students who qualify for a fee reduction pay \$53 for each exam.**

Prerequisite: Average of 80 or above in Honors Algebra 2 or Honors Pre-Calculus/Trigonometry or an average of 90 or above in CP Algebra 2 or CP Pre-Calculus/Trigonometry.

552 PROGRAMMING IN PYTHON

CP 1 credit Grade 10,11,12

This course serves as an introduction to computer programming using the high-level language Python. 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. Learn the basics of computer programming by writing programs in the Python programming language. Write code spanning multiple files. Develop skills associated with programming.

Prerequisite: average of 80 or above in Algebra 2 or Geometry (H and CP) and recommendation of department chairperson.

WORLD LANGUAGE

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. If a student decides to take a third or fourth year of the language, this will meet the requirement of one elective for the student transcript. Students are expected to complete a minimum sequence of two years once they begin world language study. As freshmen, the students may be tracked according to the results of the HSPT test. As a department, we would like to honor student choice as best as possible.

Throughout a student's study of a World Language at Little Flower Catholic High School for Girls, our goals are to create an individualized experience for each student that involves daily active participation in lessons so students grow in autonomy and become life-long learners. Lessons are designed and implemented to advance proficiency in the four key areas of speaking, listening, reading, and writing with an emphasis on the relevance of the target language and communication in everyday life. Through repetition, partner activities, performance tasks, and a nurturing atmosphere, students grow in ability, confidence, and desire to learn more each day. It is to this level of language acquisition that Little Flower teachers most aspire. We believe that if we foster an environment of cultural exploration and appreciation, students will be compelled to further pursue their language of study in post-secondary education, their careers, and ultimately their lives. Expanding the four walls of our classroom to include real-life connections and experiences not only makes learning more long-lasting, but our world a little smaller and much better.

611 - 612 FRENCH 1 (alternate years 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 (alternate years with French 4)

H, CP 1 credit

TEXT: Bien dit! I/II

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

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

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, AC 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, AC 1 credit

TEXT: Realidades

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.

Prerequisite: Spanish 1

671 - 672 SPANISH 3

H, CP 1 credit

TEXT: Realidades 2

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 AC; teacher recommendation and approval of department chair.

681 - 682 SPANISH 4

H, CP 1 credit

TEXT: Realidades 2

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 in H and CP; 85 in AC); teacher recommendation and approval of department chair.

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. Depending on class enrollment and teacher hire, this course may be offered through Rosetta Stone.

Prerequisite: 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. Depending on class enrollment and teacher hire, this course may be offered through Rosetta Stone.

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. Depending on class enrollment and teacher hire, this course may be offered through Rosetta Stone.

Prerequisite: Chinese 3

BUSINESS ELECTIVES

The ultimate goal of the Business Technology Department is to assist students to attain skills and knowledge that will enable them either to enter the job market or a post-secondary institution. Emphasis is placed on developing positive attitudes and values resulting in Christian women who will be capable of making responsible decisions and be effective members of society.

721 - 722 PERSONAL FINANCE AND BUSINESS LAW

H, CP 1 credit Grade 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 online. 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 Grade 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

The Fine Arts Department of Little Flower welcomes all students interested in exploring and developing their talents and skills in the areas of Visual Art, Instrumental Music, and Vocal Music. It is our belief that each person possesses an inherent ability, no matter how great or small, to express her/his creativity in some way through the arts. We also assert that a student's participation in the arts can act as an expressive extension of the individual, and can be utilized in a very therapeutic way.

Our program is designed with the life-long learner in mind. We encourage students to make connections and become more aware of the influence of the arts in their everyday lives, but to also appreciate "art for arts sake." The Fine Arts Department is seeking all eager learners who are willing to embrace and share their individuality and talents with our community.

The pedagogy in the Fine Arts Department is reflective in each teacher as instructor, facilitator, and mentor. We believe in student-centered learning. We are firm believers that all students can achieve, just in different ways and at different paces. We strongly agree in hands-on learning/"learning by doing." We adapt instruction in the best way possible for each student, and believe that differentiated instruction has led to our many student success stories.

Our Fine Arts Department is proudly steeped in rich tradition, yet we continue to move forward offering new opportunities for students to be creative relative to our world today. A Fine Arts student would possess the following characteristics, or have the desire to strive for the following:

1. imaginative/creative
2. willing to express her individuality
3. accepting of constructive criticism
4. "outside-of-the-box" thinker
5. mindful
6. willing and accepting of learning from mistakes
7. resilient
8. open-minded

The Fine Arts Department at Little Flower Catholic High School for Girls offers a wide array of electives in the areas of Visual Art, Instrumental Music, and Vocal Music. Most Fine Arts courses are honors-level courses. There is no experience necessary to take a course. The Fine Arts Department offers a variety of scholarships in each of the areas of Visual Art, Instrumental Music, and Vocal Music.

861 ART 1

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.

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.

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.

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 two sections: Select Works and Sustained Investigation. 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. The exam is \$95. Students who qualify for a fee reduction pay \$53 for each exam.

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.

875 CERAMICS

H .5 credit One semester

An introduction of the techniques and history of ceramics and the creation of pieces in three-dimensional forms including throwing clay on the pottery wheel and basic hand building. Students are encouraged to start with cylinders to perfect centering of the clay. Hand building techniques will be incorporated to enlarge or embellish pieces thrown on the wheel. Basic hand building techniques will be taught with low fired clay bodies, glazing techniques, and kiln firing processes.

878 CERAMICS 2

H .5 credit One semester

This course is a development on the skills and techniques from Ceramics 1. In this course students will be required to use prior knowledge of clay and 3 Dimensional material to develop projects under a more independent course load. The creation of pieces in three-dimensional forms including throwing clay on the pottery wheel, basic hand building, and a combination of the two. Basic hand building techniques will be taught with high fired clay bodies, glazing techniques, and kiln firing processes.

876 INTRODUCTION INTO PAINTING

H .5 credit One semester

Explore the basics of painting in this semester-long "Introduction to Painting" course. This course will delve into various painting techniques using ink, watercolor, and acrylic paints, along with inquiries into various artists and art theory, including The Elements of Art (color theory) and The Principles of Design. Students will create still life and landscape paintings. There is no experience necessary to take this course. Do Not select Introduction to Painting if you have already taken OR plan to take a full-credit Studio Art course.

877 INTRODUCTION INTO DRAWING

H .5 credit One semester

Investigate the basic steps to creating an aesthetically-pleasing drawing in this semester-long “Introduction to Drawing” course. This course will examine the observational and technical skills needed to produce an effective drawing. Students will work with a variety of materials, including pencil, charcoal, colored pencils, and ink. Students will explore various artists, along with art theory, including The Elements of Art (color theory) and the Principles of Design. Students will create still life drawings, as well as dive into the basics of figure and portrait drawing. There is no experience necessary to take this course. Do Not select Introduction to Drawing if you have already taken OR plan to take a full-credit Studio Art course.

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 consists of two music teachers: a vocal music instructor and an instrumental instructor, who are assisted by instrumental and theater specialists. This expertise produces experiences as varied as a classical instrumental ensemble to a contemporary choir music.

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 2, 3, 4

Graduation Orchestra 1, 2, 3, 4

Vocal

Concert Choir

Flowerettes (selected)

851 INSTRUMENTAL MUSIC 1

H 1 credit

Instrumental Music 1 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 Christmas Concert held in December. As these beginners advance to the intermediate level they begin attending all scheduled after school rehearsals. These after school 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.

852-854 INSTRUMENTAL MUSIC 2, 3, 4

H 1 credit

Instrumental Music 2, 3, 4 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 including the Christmas Concert, Spring Concert, and the Graduation Exercises. Students in Music 2, 3, 4 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 1

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 VOCAL MUSIC 2 (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

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

Physical Education is designed for students to practice and develop skills that will help them maintain fitness throughout their lifetime. The course provides the student with fundamental skills in team, dual, and individual sports so that she may better utilize her leisure time towards the goal of lifetime physical fitness. The units include physical fitness, soccer, floor hockey, volleyball, dance, rhythmic gymnastics, golf, badminton and pickleball.

822 HEALTH

CP .5 credit

Health 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 alcohol use and psychoactive substances, including the dangers of vaping and tobacco use, disease, nutrition, mental health, first aid/CPR and physical development.

AUXILIARY SERVICES

201 ESL SUPPORT

AC 1 credit

This class is designed to offer English language instruction to students who are speakers of other languages (ESL). The ESL class employs 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, ESL students are encouraged to participate in school activities, enriching their educational experience as they achieve English proficiency.

923 READING ENRICHMENT

AC 0 credit

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.

924 MATH ENRICHMENT

AC 0 credit

Students whose standardized testing or math grades indicate a need for extra support in math are enrolled in this course. The course also addresses other areas of math weakness that are identified by standardized testing.

AVLI
ARRUPE VIRTUAL LEARNING INSTITUTE

Arrupe Virtual Learning Institute (AVLI) offers one semester and full-year online courses. Students enroll in online courses and complete them utilizing the computer lab.

Instructors are seasoned Ignatian educators from Jesuit schools throughout the United States. They are certified in the subject area in which they are teaching and have gone through extensive training in the development and delivery of online courses.

Courses are designed around a series of learning modules that students complete according to a schedule laid out by the teacher. Students will primarily work independently, but they will proceed as a class from one module to the next. Though the delivery will be different, just like the traditional classroom there will be lectures, discussions, projects, reading assignments, and more. Much of the work is done utilizing learning tools (discussion boards, blogs, wikis, and group projects) that depend on active participation. There will also be occasions when students gather online at the same time for live discussions, teacher instruction and guest lectures.

These courses are designed to be challenging. Students can expect to commit the same amount of time to an AVLI course as they would any other. Seven hours of focused attention each week should produce positive results. Both Advanced Placement and Honors level courses are offered.

Little Flower covers the cost of tuition. Students must seek approval for these courses through the Office of Academic Affairs. This is NOT a complete list of all AVLI courses available. Students who are very interested in these online courses should visit our website for the complete list of courses.

Students who take AP courses are required to take the AP examination for that course. The AP fee is \$95 for each exam. Students who qualify for a fee reduction pay \$53 for each exam.

2022-2023 AVLI Courses

Full-year Courses
1 credit

AP Environmental Science

RECOMMENDED FOR: Juniors and Seniors

COURSE LISTING: Science

PREREQUISITES: Chemistry and Biology

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to 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. Labs will be coordinated with the student's brick-and-mortar school. In the spring, students will be eligible to take the AP Environmental Science Exam offered by the College Board at their school.

AP Music Theory

RECOMMENDED FOR: Juniors and Seniors

COURSE LISTING: Fine Arts (Dual Credit Eligible through Creighton University)

This course corresponds to an introductory college music theory course. Topics to be covered include musicianship, reading and writing musical notation, musical materials, and procedures. The course sequence involves aural skills, sight-singing, melodic and rhythm dictation, aspects of melody, keyboard harmony, musical form analysis, and elementary composition. The goal is to develop the ability to recognize, understand and describe basic materials and processes of music that are heard or presented in a musical score. Students who complete this course are encouraged and eligible to take the AP Music Theory examination in the spring.

AP World History

RECOMMENDED FOR: Sophomores, Juniors and Seniors

COURSE LISTING: Social Studies (Dual Credit Eligible through Creighton University)

AP World History is structured around the investigation of key course themes and concepts in six different chronological periods, from approximately 8000 B.C.E. to the present. These themes, examined across cultures and time periods, include: Interaction between humans and the environment; Development and interaction of cultures; State-building, expansion and conflict; Creation, expansion and interaction of economic systems; Development and transformation of social structures.

Fall Semester Courses .5 credit

AP Microeconomics

RECOMMENDED FOR: Sophomores, Juniors and Seniors

COURSE LISTING: Social Studies (Dual Credit Eligible through Creighton University)

How should faithful Catholics think about economics? This course integrates selected themes from the Neoscholastic School of economics with the content of the Advanced Placement economics syllabus in microeconomics. The course prepares students to do well on the AP Microeconomics exam as well as offers a way to view our redeemed creation through the prism of social science. The economic way of thinking does not begin with Adam Smith. It is based on insights from Aristotle, St. Augustine, St. Aquinas, the Jesuit and Franciscan theologians at the University of Salamanca in Spain during the sixteenth and seventeenth centuries, and on the Popes' social encyclicals. We develop our understanding of basic economic concepts and analytic tools by anchoring them to our faith's moral traditions and foundations.

Understanding Artificial Intelligence: The Science and the Morality

RECOMMENDED FOR: Juniors and Seniors

COURSE LISTING: Computer Science

This course explores the reality of machine learning in particular and applications of artificial intelligence systems generally. It also examines the moral implications and boundaries of AI in a just society. Machine learning is the study of algorithms and statistical models that computer systems use to perform tasks without using explicit instructions, relying on patterns and inference instead. Students will explore how AI can help human beings, what threats exist, and how to balance what can be done with what should be done.

Bioethics: Navigating the Ethical Dilemmas of our Future

RECOMMENDED FOR: Juniors and Seniors

COURSE LISTING: Theology

This course is a general introduction to ethical theory and reasoning and its application to a number of hot current world issues, with particular emphasis on bioethics (moral dilemmas of modern biological and medical fields). It begins by addressing the question, why do ethics and moral decision-making matter at all in a world we see operating so frequently without them? It surveys major ethical paradigms (common-good ethics, rights

ethics, virtue ethics, and ethical relativism) and considers how each can help and hinder our pilgrimage to responsible, life giving choices for us and for our larger human family. Respectful consideration of opposing viewpoints, including the official teachings of the Catholic Church, is a hallmark of the course. By the end of the course, students should be able to manage some real cases on a committee of fellow ethicists using the vocabulary germane to ethicists in hospitals today.

C++ Programming

RECOMMENDED FOR: Sophomores, Juniors and Seniors

COURSE LISTING: Computer Science

This course will introduce students to computer programming using the C++ programming language. C++ is a programming language used in many applications, across many different industries. Through this course, students will learn the basic syntax necessary to write a computer program. They will learn how to attack a problem using the proper planning techniques. Students will learn about control structures, loops, procedures, arrays and much more. Another important aspect of this course is learning how to collaborate with other students. Each student will be put in a group of 3 and will work together to meet the objectives of the module. Collaborating with other students is essential to success of students in this course, as well as a much needed life skill.

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

RECOMMENDED FOR: Primarily for Freshmen, and Sophomores. Juniors and Seniors welcome.

COURSE LISTING: Computer Science

This project-oriented course is designed for students with no previous computer programming experience who want to learn the fundamentals of coding through an interactive graphics-oriented environment called Bricklayer. Using virtual bricks (i.e. Legos) to build progressively sophisticated 2D and 3D models, students will learn basic coding concepts such as functions, parameters, conditional expressions, basic data structures, and debugging. The culminating student project will be a 3D artifact that will be imported for viewing in Minecraft. (PC or Mac Computer required.)

Powered By: The Science of Energy

RECOMMENDED FOR: Juniors and Seniors

COURSE LISTING: Science

This course introduces students to the science that underscores the challenges of producing energy for tomorrow. Topics discussed in this course include but are not limited to thermodynamics, electromechanical energy conversion, and the challenges of energy transportation. We will then explore various energy sources including traditional fossil fuels, solar, geothermal, nuclear, and wind energy.

Principles of Engineering

RECOMMENDED FOR: Sophomores, Juniors and Seniors

COURSE LISTING: Engineering, Science

This course takes students on a “doing” tour of the discipline of engineering and several of its sub-disciplines including mechanical engineering, electrical engineering and computer engineering. Students will learn the engineering design process and computer aided design and apply it to “hands-on” projects.

Spring Semester .5 credit

AP Macroeconomics

RECOMMENDED FOR: Sophomores, Juniors and Seniors

COURSE LISTING: Social Studies (Dual Credit Eligible through Creighton University)

How should faithful Catholics think about economics? This course integrates selected themes from the Neoscholastic School of economics with the content of the Advanced Placement economics syllabus in macroeconomics. The course prepares students to do well on the AP Macroeconomics exam as well as offers a way to view our redeemed creation through the prism of social science. The economic way of thinking does not begin with Adam Smith. It is based on insights from Aristotle, St. Augustine, St. Aquinas, the Jesuit and Franciscan theologians at the University of Salamanca in Spain during the sixteenth and seventeenth centuries, and on the Popes’ social encyclicals. We develop our understanding of basic economic concepts and analytic tools by anchoring them to our faith’s moral traditions and foundations.

Astronomy: An Introduction

RECOMMENDED FOR: Juniors and Seniors

COURSE LISTING: Science

At some point in our lives, each of us has gazed at the night sky in awe of its sheer magnitude. While we have learned much about our planet and its relationship to other celestial bodies, in many ways, the cosmos is the last great frontier. But how did it come to be? How large is it? How much do we know about the universe versus what remains to be discovered? This course provides an introduction to the solar system, stars, the interstellar medium, the galaxy, and the universe. It is also designed to force students to think like scientists – separating Go to Course List

fact from theory, studying relationships between objects in search of patterns, and more. Please note that Astronomic principles are grounded in Physics (which is largely grounded in Mathematics). Though students need not have studied Physics previously, they should be prepared to work within this discipline.

Bioethics: Navigating the Ethical Dilemmas of our Future

RECOMMENDED FOR: Juniors and Seniors

COURSE LISTING: Theology

This course is a general introduction to ethical theory and reasoning and its application to a number of hot current world issues, with particular emphasis on bioethics (moral dilemmas of modern biological and medical fields). It begins by addressing the question, why do ethics and moral decision-making matter at all in a world we see operating so frequently without them? It surveys major ethical paradigms (common-good ethics, rights ethics, virtue ethics, and ethical relativism) and considers how each can help and hinder our pilgrimage to responsible, life giving choices for us and for our larger human family. Respectful consideration of opposing viewpoints, including the official teachings of the Catholic Church, is a hallmark of the course. By the end of the course, students should be able to manage some real cases on a committee of fellow ethicists using the vocabulary germane to ethicists in hospitals today.

Computer Science Principles

RECOMMENDED FOR: Primarily for Freshmen, and Sophomores. Juniors and Seniors welcome.

COURSE LISTING: Computer Science

This course will introduce students to a wide array of important computer science topics. It is hoped that students will learn the ideas and practices of computational thinking, and also how computers are impacting the world around us. Topics that will be covered include basic computer vocabulary, bits and bytes, programming, abstraction, internet and networking. Another important aspect of this course is learning how to collaborate with other students. Each student will be put in a group of 3 and will work together to meet the objectives of the module. Collaborating with other students is essential to success of students in this course, as well as a much-needed life skill.

Additional course descriptions are available on the AVLI website at [are available at https://www.arrupevirtual.org/student-coursework](https://www.arrupevirtual.org/student-coursework)

Year	Theology CP	English AP, H, CP, AC	Math AP, H, CP, AC	Science AP, H, CP, AC	Social Studies IB, AP, H, CP, AC	World Language H, CP	Fine Arts AP, H, CP	Alternative Classes, Elective Classes
Freshman								
Sophomore								
Junior								
Senior								

Considerations:

Date:

Student Signature: _____

Parent/Guardian Signature: _____