



Course Catalog 2017 - 2018

**SAINT JOHN PAUL THE GREAT CATHOLIC HIGH SCHOOL
COURSE CATALOG 2017-2018**

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INTRODUCTION

This Course Catalog will assist you in planning your course of study for the coming year. It includes course descriptions as well as other information to help you choose courses for next year.

It is important for you to familiarize yourself with the information in this book. You should understand the sequence of courses you need to take to fulfill graduation requirements. You will also want to read the course descriptions, especially those for the elective courses. Students will normally take eight courses per semester.

During these next weeks, be sure to discuss your course options with your parents/guardians. It is important that you make careful decisions about course selection because the selection of courses will impact the academic schedule, teacher assignments and hiring. Grades, test scores and teacher recommendations will be used to place students in classes.

While you may not get all of your first choice electives, the class schedule at Saint John Paul the Great Catholic High School is built specifically around the students' course requests. Advanced Placement course requests are given top priority in the scheduling process. Honors sections and core courses are equally important.

Not all electives published in this Course Catalog will necessarily be available in the current academic year. Those unavailable courses will be shaded in gray. Ultimately the electives selected will depend upon student interest. However, we do attempt to maximize the chance that every student will have exactly the schedule that he or she requests.

PHOTO PERMISSION POLICY

The Office of Catholic Schools of the Diocese of Arlington (OCS) and any of its schools may produce or participate in videotape, audio recording, and website or still photograph productions that may involve the use of students' names, likenesses, or voices. Such productions may be used for educational and/or school marketing purposes and may be copied or copyrighted with the school retaining any and all rights to such productions.

Publishing photos and videos of our happy students helps to build community and is essential to the evangelization and marketing efforts of Saint John Paul the Great Catholic High School. The Diocese of Arlington OCS requires that we get written permission to publish photos of minors.

Certain elective courses require that students be allowed to be photographed, recorded and published. This pre-requisite is noted by the course listing in the Course Catalog. Courses with an asterisk denote that students must have a signed Photo Permission Form on file with the school granting full permission for photos and recordings to be published. Full details are outlined on the Photo Permission Form.

The Photo Permission Form can be found on the student's enrollment account. Questions may be directed to the Director of Communications at Saint John Paul the Great Catholic High School.

GRADUATION REQUIREMENTS

All graduates of Saint John Paul the Great Catholic High School must earn a minimum of 28 credits. A full credit is awarded for successful completion of a full year course, and a half credit is awarded for successful completion of a one-semester course. Required courses and the number of credit hours for graduation are as follows:

RELIGION – 4 credits are required, or .5 credit for every semester enrolled at Saint John Paul the Great.

BIOETHICS – 2.5 credits are required.

ENGLISH – 4 credits are required.

SOCIAL STUDIES – 4 credits are required.

MATHEMATICS – 3 credits are required. Students who complete required courses in middle school need to earn 3 credits at Saint John Paul the Great. (4 credits are recommended for college preparation)

SCIENCE – 3 credits are required. (4 credits are recommended for college preparation)

WORLD LANGUAGE – 2 credits are required from the same language. Students who complete one or two years of a foreign language in middle school must still take 2 credits in high school. (3 years of the same language, or 2 years each of two different languages, are recommended for college preparation)

FINE ARTS, COMMUNICATION/MEDIA ARTS – 1 credit is required. Students may earn the required credit in one of these departments or split the requirement by earning .5 credit in Fine Arts and .5 credit in Communication/Media Arts.

PHYSICAL EDUCATION & HEALTH – 2 credits are required and must include Health: An Ethical Approach.

Students may complete up to 32 credits (8 credits per year for four years) but only 28 are required for graduation. For a variety of reasons, students may take one course less than the full load as often as every semester for four years.

Transfer students may receive full credit for credits earned at their high school of origin.

INFORMATION ABOUT THE ACADEMIC PROGRAM

Saint John Paul the Great Catholic High School operates on an A/B Block schedule that permits students to take up to eight classes with four classes meeting each day.

Some required courses are offered on multiple levels: Academic, Advanced, Honors, and Advanced Placement. Students are placed in the level that is most appropriate within each subject area, according to demonstrated aptitude and performance. While the curriculum is parallel, in that each level of the course has similar goals and objectives, the application of instruction varies by methodology, degree of difficulty, and volume of information presented.

Advanced Placement/Honors Level

- These courses are designed to meet the needs of students who can excel with a challenging, rigorous college preparatory curriculum, who are highly motivated, and who have demonstrated a high level of responsibility, aptitude and achievement.
- Principles and concepts are explored in greater depth, and more independent work is required of the student.

Advanced Level

- These courses are designed to meet the needs of students who seek a demanding college preparatory curriculum, who can complete tasks with minimum supervision, and who demonstrate an above average level of aptitude and achievement.

Academic Level

- These courses are college preparatory courses. They are designed to meet the needs of students who seek a demanding college preparatory curriculum and who demonstrate a general level of aptitude and achievement.

THIS CATALOG

The pages that follow contain descriptions of each course offered at Saint John Paul the Great Catholic High School. The listings are by academic department. All of our courses are college preparatory. In courses that are distinguished as AP, Honors, or Advanced Courses, the following distinction is found in the Catalog:

- AP = Advanced Placement Course
- H = Honors Course
- Adv. = Advanced Level Course

Within each department are the following:

- Overview of the department
- Course number and name
- Credit earned: 0.5 credit for one semester course, 1.0 credit for a full year course

This Course Catalog contains descriptions of courses that will be offered in the upcoming years so students will have the information they need to make the most of their academic planning. Classes that are currently unavailable are shaded in gray.

COURSE CHANGE POLICY

Each student is expected to remain in the courses selected. For justifiable and serious reasons a semester course or full year course may be changed during the first two weeks of the course. Full year courses may not be changed mid-year. During the second semester, elective semester courses may be changed during the first two weeks of the course, but only if the schedule permits.

Students are not permitted to change courses in order to change teachers or to raise grades. There will be a \$60.00 fee for each course change. Changes in course level must be approved by the teacher, parents/guardians, department chairperson, guidance counselor and the Assistant Principal for Academics. Add/Drop Forms are available in the Guidance Department.

WORK STUDY PROGRAM

The Work Study Program (WS) exists to give students the opportunity to contribute to the school by working in a department or with a teacher. The WS program is open to all students who are in grades 10 and 11. Limited positions are open for grade 12. In addition, those awarded financial aid are automatically included in this program, enabling sophomore and junior students to help their families and their school while gaining valuable life experiences. Students will be assigned one semester in either their sophomore or junior year. Work study is a non-credit earning program and assignments are limited to a semester-only opportunity. All students requesting work study will be required to complete an application and submit it for approval through their counselor. Students will be limited to two work study opportunities during their enrollment at Saint John Paul.

Students participate in the WS program during the academic year. Our graduation requirements are structured so that students who participate in WS will be able to obtain the needed credits for graduation on schedule. The WS program is not intended for students to use the time as an academic break in their schedule or as a study hall. The WS Coordinator will work with the students to plan their assignments once the school year/semester begins.

SAINT JOHN PAUL THE GREAT MEDIA PROGRAM

This cross-departmental program works to empower students to use all forms of media for the promotion of what is true, good and beautiful. The vision for the program is to influence change in our culture by forming students who can effectively communicate truth. These courses provide students with a disciplined understanding of modern media trends, technologies and skills, as well as the impact of media on society and the individual. Project focused hands-on training forms students into knowledgeable, responsible and effective communicators.

ADVANCED PLACEMENT/HONORS COURSES

Advanced Placement (AP) and Honors Courses are designed to meet the needs of students who want an advanced college preparatory curriculum and have demonstrated a high level of responsibility, interest, aptitude and achievement. The course principles and concepts are explored in greater depth, and more independent work is expected of the student.

At Saint John Paul the Great, registration for AP and Honors courses involve several steps: the student must 1) meet the prerequisite requirements, 2) be recommended for Advanced Placement/Honors by his/her current teacher within the department (applies to current JP students only), and 3) students requesting AP courses must read and agree to our AP policy as outlined below.

In addition to course prerequisites, requesting AP and Honors level courses require careful consideration and approval from both teachers and counselors. The student's Guidance Counselor will make the final decision based on their review of all of a student's academic progress and current course requests.

It is important that students make careful decisions about course selection as it will impact the academic schedule, teacher assignments, and hiring. Once a student has selected an AP/Honors course, it may be impossible to drop the class due to scheduling conflicts.

ADVANCED PLACEMENT POLICY

Advanced Placement courses have certain conditions that must be met prior to enrollment in the course. The following conditions must be agreed to prior to enrolling in an Advanced Placement course:

- AP courses require considerably more homework and studying than an advanced course. AP courses are college level courses. Work will be assigned and will be graded accordingly.
- Any student who enrolls in an AP course must remain in the course until the completion of the course. Requested withdrawal from a class may be contingent on enrollment and is not guaranteed. In addition, if a student requests to withdraw from an AP course, the student and the student's parents/guardians must schedule a meeting with the teacher, School Counselor, and the Assistant Principal for Academics before any decision is made.
- Dropping an AP course will result in a withdrawal pass (W/P) or withdrawal fail (W/F) on the student's transcript.
- Students enrolled in any AP class will be required to register for and take the AP exam in the spring (this includes AP Studio Art). Exams cost \$92.00 each and must be paid in full by December 1. AP Exam registration forms are available in the Guidance Office. The school does not cover the cost of the exams.
- Students and their parents/guardians will need to sign and return an Advanced Placement Course Policy form at the beginning of the school year. Anyone who does not do so will be moved to the Advanced level of the course (if applicable) or removed from the course.

Please be aware that prerequisites are instituted not to keep students out of a class, but to provide students with a solid foundation to be successful in a class.

RELIGION DEPARTMENT

The religion courses at Saint John Paul the Great Catholic High School reflect the curriculum guide approved by the U.S. Conference of Catholic Bishops in November, 2007. Required as a part of the course of studies for each of the four years, the curriculum leads the students to an encounter with Jesus Christ and his teaching in order that they might come to know him and to be transformed by him. Students must take one Religion course for each semester they are enrolled at Saint John Paul the Great.

Mission Statement:

Since religion is a gift from the Divine Persons through human persons to others, the mission of the Religion Department is concerned with the formation of the teachers as well as the students.

The Religion Department desires to form religion teachers who live the Faith, witnessing in their lives to the union of men with God in Christ, persons who give of themselves, with the Truth adhering, who pray and contemplate, persons of intellectual competence, giving to their students the fruits of their contemplation.

The Religion Department desires to form the students to understand and be able to explain that Catholicism is the union of men with God in Christ; to know their sacred identity as immortal children of God; to long to realize their destiny to live forever in Heaven; to take a vivid interest in God, in Christ Our Lord, in Our Lady, in all the major facets of reality; to take a more active role in the Church's worship, missionary call, and service to others.

Required Courses:

Sacred Scripture
Revelation of Christ (former title: Christology)
The Mission of Jesus
The Church
The Sacraments
Morality

Senior Required Courses:

(Seniors must choose two)
History of the Catholic Church
Christian Vocations
Catholic Social Teaching

1110 – Sacred Scripture

Grade 9

0.5 credit

This course is designed to give students a general knowledge and appreciation of Sacred Scripture. They will learn how to read the Bible, becoming familiar with its major sections and books. Through their study of the Bible, especially the Gospels, they will come to encounter the living Word of God, the divine person Jesus Christ.

1130– Revelation of Christ (Christology)

Grade 9

0.5 credit

The purpose of this course is to introduce students to the Mystery of Jesus Christ, the Living Word of God, and the Second Person of the Blessed Trinity. This course will present Jesus Christ as the ultimate revelation to mankind from God. In learning about who Jesus is, the students will also learn who he calls them to be.

1230 – The Mission of Jesus

Grade 10 0.5 credit

This course is designed to help students understand all that God has done for mankind through his Son, Jesus Christ. Beginning with creation and proceeding to Jesus' Paschal Mystery, this course of study reveals God's plan for man's eternal happiness with him which has been made possible only in and through Jesus Christ. The students will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails.

1240 – The Church

Grade 10 0.5 credit

The purpose of this course is to help the students understand that in and through the Church they encounter the living Body of Jesus Christ today. The focus of the course is not so much about events in the life of the Church as about the sacred nature of the Church herself, founded by Christ through the Apostles and sustained by him through the Holy Spirit.

1350 – The Sacraments

Grade 11 0.5 credit

This course is designed to help students understand the Sacraments as the gifts given by Christ through His Church in and through which they can encounter Jesus Christ today in a full and real way. Students will examine each of the Sacraments in detail, but special emphasis will be placed on the Sacrament of the Eucharist.

1360 –Morality

Grade 11 0.5 credit

The purpose of this course is to help students understand that it is only through Jesus Christ that they can fully live out God's plan for their lives. This course of study will present the moral concepts and precepts that govern the lives of Christ's disciples, studying in depth the Ten Commandments and the Beatitudes.

1429 – History of the Catholic Church

Grade 12 0.5 credit

This elective course is designed to supplement the sophomore catechesis on the Church. It will supply students with a general knowledge of the Church's history from Apostolic times to the present, noting for them both the Divine and human elements of the living Body of Christ throughout its 2000 years of history.

1437 – Catholic Social Teaching

Grade 12 0.5 credit

This elective course is a sequel to the junior level study of Morality. It introduces students to the Church's Social Teaching, showing them how Christ's concern for others, especially for the poor and marginalized, is being lived out today in the Church's social teaching and mission.

1447 – Christian Vocations

Grade 12 0.5 credit

This elective course emphasizes the universal call to holiness and enables students to compare and contrast the various vocations of Christian life: married life, single life, priestly life, and consecrated life. Through this study students are given the opportunity to learn what it means to live life for the benefit of others, in a self-giving style of life that reflects that of Jesus himself.

BIOETHICS DEPARTMENT

Bioethics is the field of study concerned with the ethical implications of certain biological and medical procedures, technologies, and treatments. The bioethics curriculum at Saint John Paul the Great Catholic High School is required as integral to the course of studies for the student in each of his four years. The curriculum is designed to instill an ethical perspective based on the dignity of the human person, in order to properly evaluate the various issues to be faced in the 21st Century.

Mission Statement:

“I say this so that no one may deceive you by specious arguments. . . . See to it that no one captivate you with an empty, seductive philosophy according to human tradition, according to the elemental powers of the world and not according to Christ.” (Eph. 2:4,8)

We provide students with the philosophical foundation whereby they are able to understand both the nature and the dignity of the human person as well as how he can best use his human faculties to achieve genuine fulfillment as a human being in this life and in the life to come.

Equipping students with the specific ethical principles normative in the fields of health care and the life sciences, the bioethics department analyzes the bioethical issues of our day, integrating ethical knowledge with that of other disciplines in order to determine how the human person should act in order to secure his true happiness.

The following three concepts permeate the entire Bioethics curriculum like a recurring theme:

- *The exalted dignity of every human person because of his God-given powers of intellect and free will,*
- *The objective nature of ethical norms as laws which are derived from human nature, and*
- *The relation of moral norms to genuine human fulfillment*

Required Courses:

The Human Person
Health: An Ethical Approach
Principles of Ethics
Bioethical Issues at the Beginning of Life
Bioethical Issues at the End of Life

Elective Courses:

Case Studies and Application in Bioethics
The Human Person in a Biotech Age

2110 – The Human Person

0.5 credit

This course studies what it means to say that human beings are persons, i.e., beings endowed with freedom and an inner life capable of knowing and loving. Topics include: the union of body and soul; the powers of the rational soul and its immortality; human passions and temperaments, the complementarity of the sexes, and the theology of the body. From this study, the student will come to appreciate the profound dignity of every human person.

2129 – Health: An Ethical Approach
Cross listed with Health 9129
Grade 9 or 10 0.5 credit

This course is designed to take a holistic approach to human health. It is based on the conviction that the human person is a unified totality, whose well-being consists in the proper integration of his physical, emotional, mental, social, and moral life. From this perspective, the course seeks to investigate both the positive development of human well-being and certain disorders which threaten this development. Among the topics to be studied are the following: basic factors in physical, mental, emotional and moral health; nutrition and fitness; use of drugs, steroids, and alcohol; neurotic and psychotic illnesses; sexual health and sexual disease.

2250 – Principles of Ethics
Grade 10 0.5 credit

Prerequisites: *The Human Person*

Based on reasoning derived from experience, this course introduces students to the study of voluntary human acts which lead to true human flourishing. St. Thomas Aquinas is used as a guide to investigate the purpose of human life, the nature of human action, the determination of good and evil acts, and the role of moral law, conscience, and virtue in achieving genuine human fulfillment.

2360 – Bioethical Issues at the Beginning of Life
Grade 11 0.5 credit

Prerequisite: *Principles of Ethics*

In seeking to apply ethical principles learned in Principles of Ethics to contemporary bioethical issues, this course focuses primarily on issues that concern human life in its earliest stages of development. Using the dignity of human life and its inviolability as its starting point, this course studies topics such as: fertility care, abnormal pregnancies, artificial human reproduction, contraception, sterilization, abortion, vaccines from abortions, embryo adoption, scientific experimentation on human persons, stem cell research and genetic manipulation.

2370 – Bioethical Issues at the End of Life
Grade 11, 12 0.5 credit

Prerequisite: *Principles of Ethics, Bioethical Issues at the Beginning of Life*

This course continues the investigation into issues that concern human life, seeking to apply ethical principles learned in Principles of Ethics to issues that deal with human life in its final stages. Understanding the human person to be a unified totality with a supernatural end, this course addresses topics such as: the mystery of human death and eternal life, redemptive suffering, brain death, organ transplantation, suicide, assisted suicide, euthanasia, proportionate and disproportionate means, artificial nutrition and hydration, and terminal care.

2487 – Case Studies & Applications in Bioethics

Grade 12

0.5 credit

Prerequisite: Bioethical Issues at the Beginning of Life

This upper-level elective is designed to provide students with opportunities to integrate and apply principles they have learned in earlier classes to actual case studies. Cases will be critically analyzed in detail, moving from the simple to the more complex, with students playing the role of a bioethics consultative panel in identifying issues and recommending ethically appropriate interventions.

2467 – The Human Person in a Biotech Age

Grade 11, 12

0.5 credit

Prerequisite: Bioethical Issues at the Beginning of Life

With the publication of the human genome, mankind entered into what has already been called the century of biology. This upper-level elective is designed to investigate the ethical issues involved in the Human Genome Project and in genetic medicine in general. Using the dignity of the human person as its guide, this course of study will investigate to what extent man's use of his knowledge of the human genome is in accord with the true good of human persons.

ENGLISH DEPARTMENT

The English curriculum is designed to provide the tools for students to become independent and effective readers and writers. From grammar, spelling, and vocabulary, to composition, literary criticism, and research techniques, students are led through a course of studies that will prove its success in the excellence of their advanced academic work.

Mission Statement:

Finally, brethren, whatever is true, whatever is honorable, whatever is just, whatever is pure, whatever is lovely, whatever is gracious, if there is any excellence, if there is anything worthy of praise, think about these things. (Phil 4:8)

We will deliberately build up whatever is true, whatever is lovely, whatever is honorable to form students' moral imagination, teaching them through the rich grist of classic literature to like what is good and dislike what is evil and to express their unique story, that of an immortal being on an heroic journey to heaven.

Affirming the truth of human culture as an expression of God's communion, the English department teaches the skills needed for communication and communion—a common sense of right and wrong, good and evil, truth and falsehood, so that students can analyze what they read and write in the light of the true, good and beautiful, and so that they can creatively contribute to building up the culture.

Required Courses:

English I
English II
English Language and Composition or
 AP English Language and Composition
English Literature or
 AP English Literature and Composition

Elective Courses:

Speech and Debate
Advanced Forensics
Advanced Composition I
Advanced Composition II
Creative Writing

3113 -- English I Adv. /Genre Studies

Grade 9

1 credit

Prerequisite: Department Placement based upon previous academic record including HSPT scores.

This course is designed to meet the needs of students who can complete tasks with minimum supervision, and who demonstrate an above average level of aptitude and achievement. This course stresses the basic skills of grammar, usage and mechanics, composition, and speech, and includes the study of literature from a genre-based perspective. The writing program, which uses as its core the required literary selections, emphasizes effective sentence structures and paragraph development as preliminary to excellence in writing essays. Basic techniques of research are introduced. Students study classic literature of diverse genres, including drama, poetry, short story, novel, and non-fiction, with analysis of themes and literary techniques.

3115 – English I H/Genre Studies

Grade 9

1 credit

Prerequisites: Completion of Eighth Grade English with a grade of A, scores above the 90th percentile on HSPT

This honors level course, designed for those freshmen who demonstrate an above grade-level proficiency in reading and writing, reviews the basic skills of grammar, usage, and mechanics, stresses composition and speech, and includes the study of literature from a genre-based perspective. The writing program, which uses as its core the required literary selections, emphasizes effective sentence structures and paragraph development as preliminary to excellence in writing essays. Basic techniques of research are introduced. Students study classic literature of diverse genres, including drama, poetry, short story, novel, and non-fiction, with analysis of themes and literary techniques.

3213 – English II Adv. /American Literature

Grade 10

1 credit

Prerequisites: Satisfactory completion of English I Adv. and Department Placement

This course is designed to meet the needs of students who can complete tasks with minimum supervision, and who demonstrate an above average level of aptitude and achievement. In this course, the students' knowledge of grammar, writing, and vocabulary will be channeled into more sophisticated levels of analytical and expository writing. Students practice the skills needed to produce varied, well-organized, and fully developed papers. Grammar, correct usage, and sentence structure are emphasized through analysis of student writing. Students are provided with a perspective on the history and development of American literature through the 21st century.

Emphasis is placed on major trends in thought and the development of literary genres in the various periods of American literary history. Continuity from one period to another is examined along with the differences in cultural outlook that affect the literature.

3215 – English II H/American Literature

Grade 10

1 credit

Prerequisites: A or B+ in English I H or an A in English I Adv. and Department Placement

This honors level class follows the same general course of study as English II Adv., but it includes a more extensive and intensive study of these works. Students will be required to read additional pieces of literature, and to analyze these at a more sophisticated level. Writing expectations are higher, both quantitatively and qualitatively.

**3323 – English Language and
Composition Adv. /World Literature**
Grade 11 1 credit

Prerequisites: Satisfactory completion of English II Adv. and Department Placement

This course is designed to meet the needs of students who can complete tasks with minimum supervision, and who demonstrate an above average level of aptitude and achievement. Effective writing and comprehensive reading are the keynotes for this junior level English course. This course stresses critical writing about literature. Students read and analyze major works of literature in terms of style, form, and themes, rather than in terms of nationality or historical development. Students are introduced to literary theory and criticism in fiction, poetry, and drama, using the great world literature works. Speaking and listening skills are honed through oral presentations and evaluations. The fundamentals of effective writing are reviewed and practiced through regular writing assignments outside of class as well as during class time.

**3324 – English Language and
Composition H/World Literature**
Grade 11 1 credit

Prerequisites: A or B+ in English II H or an A in English II Adv. and Department Recommendation

This honors-level course is a reading and writing intensive course with an emphasis on analysis of the stylistic and rhetorical elements of literature. Students engage in an advanced study of language, grammar and syntax, and the creative choices writers, particularly European writers, make in the process of composition. This course stresses critical writing about literature with a focus on British, Russian, Spanish, and South African literary prose works. The advanced nature of this course requires thoughtful commitment and demands extensive reading.

**3325 – AP English Language and
Composition**
Grade 11 1 credit

Prerequisites: A or B+ in English II H with Teacher Approval or an A in English II Adv. with Teacher Approval

This college-level course is a reading and writing intensive course with a special emphasis on analysis of the stylistic and rhetorical elements of literature. Students engage in a rigorous study of language, advanced grammar and syntax, and the creative choices writers, particularly American writers, make in the process of composition. Students write literary analysis of all genres with a focus on non-fiction American, British, Russian, Spanish, French, and South African literary prose works. The advanced nature of this course requires thoughtful commitment and demands extensive reading. All students are required to take the Advanced Placement Examination in May.

**3413 – English Literature and
Composition Adv. /British Literature**
Grade 12 1 credit

Prerequisites: Satisfactory completion of English Language and Composition Adv. or H and Department Placement

This course is designed to meet the needs of students who can complete tasks with minimum supervision, and who demonstrate an above average level of aptitude and achievement. This course offers a perspective on the history and development of British literature through the 21st century. Emphasis is placed on major trends in thought and the development of genres in the various periods of British literary history. Students will gain awareness of literary traditions and also learn to read intelligently and analytically. This analytical ability will be best evidenced in extensive writing assignments, taking the form of literary journals as well as essays.

**3424- English Literature and
Composition H /British Literature**
Grade 12 1 credit

Prerequisites: A in English Language and Composition Adv.. or an A or B+ in AP English Language and Composition or English Language and Composition H

This honors level course is designed to engage students in the careful reading and critical analysis of British literature. Students gain perspective on the history and development of major trends in thought and the development of genres in the various periods of British literary history through the 21st century. Through the close reading of selected texts, students can deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. Writing is an integral part of this course, with an emphasis on writing about literature critically and creatively for the purpose of increasing students' ability to explain clearly, cogently, even elegantly, what they understand about literary works and why they interpret them as they do.

**3425 – AP English Literature and
Composition**
Grade 12 1 credit

Prerequisites: A or B in AP English Language and Composition and Teacher Approval; or an A or B in English Language and Composition H, or an A average in English Language and Composition Adv. with Teacher Approval

The college-level course is designed to engage students in the careful reading and critical analysis of creative--fiction and prose--literature. Through the close reading of selected texts, students can deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes, as well as such smaller-scale elements such as the use of figurative language, imagery, symbolism, and tone. Writing is an integral part of this course, with an emphasis on writing about literature. Assignments include mostly critical analysis, but also well-constructed creative writing. The goal of both types of writing assignments is to increase students' ability to explain clearly, cogently, even elegantly, what they understand about literary works and why they interpret them as they do. All students are required to take the Advanced Placement test in May.

3360 - Speech and Debate

Cross listed with 8370 and 9620

Grade 9, 10, 11, 12

0.5 credit

In this performance-based course students learn effective speaking and listening skills for giving and appreciating various kinds of speeches, including oratory, extemporaneous, improvisational, among others. Students also learn the skills needed to debate for and against a position as in Lincoln/Douglas debate, and for and against a policy, as in policy debate. The course is designed to improve the students' knowledge of communication skills as well as develop their self-confidence in speaking and debating before an audience. By studying actual debates, students evaluate the influence of media in shaping popular opinion.

3467 - Advanced Composition I

(First semester only)

Grade 11, 12

0.5 credit

Prerequisites: B in English II Adv. or H or B in English Language and Composition Adv., H or AP

This course works in tandem with the John Paul Writing Center and entails an in-depth study of writing across all disciplines (science, math, English, social studies, business, theater, etc.). Other areas of focus are utilizing the writing process, understanding and applying Standard English, building advanced grammar and vocabulary skills, identifying components of advanced writing across genres and for varied audiences, and becoming an effective peer tutor of writing. This content is applied and assessed as students both produce independent writing and serve as peer tutors in the John Paul Writing Center.

3468 - Advanced Composition II

(Second semester only)

Grade 11, 12

0.5 credit

Prerequisites: Advanced Composition I, B in English II or English Language and Composition and Teacher Approval

This course builds upon the skills and focus of those taught in Advanced Composition I, and students will continue working in tandem with the John Paul Writing Center. Students both produce independent writing and volunteer as a peer tutors in the John Paul Writing Center. Students enrolled in Advanced Composition II will act as mentors for their counterparts in Advanced Composition I as well as leaders in the Writing Across the Curriculum initiative at John Paul. This course provides students an opportunity to improve their writing through an intensive study of complex grammatical structures and writing styles and to increase their test-taking skills through intensive word study, critical reading, and analytical thinking. Students concentrate on increasing their revision and editing skills in writing.

3361 - Advanced Forensics

Cross-listed with 8377 and 9630

Grade 10, 11, 12

0.5 credit

This interscholastic competition-based course studies intensive exploration of three families of forensic events: interpretation of literature, limited-preparation speaking, and oratory. For interpretation of literature, students study prose, poetry, and plays in order to perform these works orally. As part of the study of limited-preparation events, students study speech organization and delivery methods, with particular attention to preparing for debating issues of public policy facing the United States and the international community. For oratory, students prepare reinterpretations of historical speeches and also write and deliver their own persuasive/informative speeches. Students should plan to commit to interscholastic competition, judging, and hosting of tournaments over the course of the year.

3469 – Creative Writing

(Only one section per semester)

Grade 11, 12

0.5 credit

This is a reading and writing intensive course with special emphasis on creative writing. The course will introduce a variety of creative writing styles and techniques, focusing on vocabulary growth, sentence formation, and character and plot development. Through a close reading of both classical and modern literature, students will be exposed to multiple writing styles. This reading combined with intensive writing will guide them to discover their own voice on the page. Students will apply learned techniques by writing their own, original short stories or beginning novel length pieces. This course will also address the growing need for quality literature in the modern world from both a religious and secular viewpoint.

MATHEMATICS DEPARTMENT

The Mathematics Department provides a multi-level college preparatory curriculum that stresses logical reasoning, problem solving and applications to real world situations. Integration between our math and science courses played a key factor in the development of the curricula of each of these departments. Preparation for the math portions of the college entrance exams is incorporated in a grade-appropriate level throughout the curriculum.

Mission Statement:

The mission of the Mathematics Department is to lead students to discover and appreciate the beauty of the divine order of the universe, the fields of mathematics, and the value of mathematics in the various disciplines it serves. Throughout all courses, students will discover patterns, develop a general set of principles for reasoning about those patterns, and apply a systematic approach to problem solving. Students will learn to collaborate with their peers in order to more thoroughly understand concepts and solve real life problems. Our teachers will foster an environment where students of differing abilities, backgrounds, and learning styles are respected and appreciated. We will strive to develop in our students a life-long love of learning and the skills necessary to be successful in their further studies, in their chosen careers, and in their everyday lives.

Required Courses:

Algebra I
Geometry
Algebra II

Elective Courses:

Algebra III
Introductory Statistics with Applications
Pre-Calculus Adv.
Pre-Calculus/Math Analysis Honors
Calculus Honors
Problem Solving in Algebra I
AP Statistics
AP Calculus A/B
AP Calculus B/C

Each student is required to have their own TI-83 or TI-84 calculator for each year of Math at JP.

4101 – Problem Solving in Algebra I

(First semester only)

Grade 9

0.5 credit

Prerequisite: Students will be placed in this course based on previous grades and standardized test scores. Students who are required to take this course are expected to accrue a total of at least 3.5 credits in math for graduation.

This course is taken concurrently with Algebra I in fall semester. This course provides additional practice, review of skills essential to success in Algebra 1 and higher mathematical disciplines, as well as a continual review of essential algebraic concepts learned throughout the year. Each student is required to have their own TI-83 or TI-84 calculator for this class.

4121 – Algebra I

Grade 9

1 credit

Prerequisites: Completion of Eighth Grade Math, and Department Placement based upon previous academic record including HSPT scores.

This college prep level course is designed to provide students with a strong foundation for higher-level math courses. The topics emphasized are simplifying numerical and variable expressions; integers; solving equations, inequalities and systems; word problems; graphing linear and quadratic equations and inequalities; simplifying and factoring polynomials; and simplifying rational and radical expressions. Each student is required to have their own TI-83 or TI-84 calculator for this class.

4123 – Algebra I Adv.

Grade 9

1 credit

Prerequisites: B in Eighth Grade Math, and Department Placement based upon previous academic record including HSPT scores.

This course is designed to meet the needs of students who can complete tasks with minimum supervision, and who demonstrate an above average level of aptitude and achievement. Students are selected for this course in place of Algebra I based on their previous coursework and standardized test scores. In addition to the topics covered in the Algebra I course, this class considers more abstract problems in the same areas as well as providing an introduction to trigonometric ratios and proofs. This is an accelerated course. Each student is required to have their own TI-83 or TI-84 calculator for this class.

4125 – Algebra I H

Grade 9

1 credit

Prerequisites: Minimum of an A in Eighth Grade Math or Algebra and scores above the 90th percentile on HSPT

Students are selected for this course in place of Algebra I Adv. based on their previous coursework and standardized test scores. In addition to the topics covered in the Algebra I Adv. course, this class considers more abstract problems in the same areas as well as providing an introduction to trigonometric ratios and proofs. This is an accelerated course. Each student is required to have their own TI-83 or TI-84 calculator for this class.

4131 – Geometry

Grade 9, 10

1 credit

Prerequisites: Algebra I, Department Placement

In this college prep level course, students learn to apply geometric concepts, definitions, theorems and postulates. This course is identical to 4133; however, there is greater emphasis on the application of algebraic concepts in geometric situations. Each student is required to have their own TI-83 or TI-84 calculator for this class.

4133 – Geometry Adv.

Grade 9, 10

1 credit

Prerequisites: For incoming freshmen: An A in Algebra I and a passing grade on the Diocesan Algebra I placement exam. For sophomores: Completion of Algebra 1 Adv. with a minimum grade of C+

This course is designed to meet the needs of students who can complete tasks with minimum supervision, and who demonstrate an above average level of aptitude and achievement. In this course, students learn and apply geometric concepts definitions theorems and postulates. Inductive and deductive reasoning processes are utilized to reach conclusions. Algebraic concepts are applied in geometric related situation. Topics include: basic geometric concepts, two-column deductive proofs, logic problems, inductive proofs, as well as right triangle trigonometry, construction, solid geometry, and coordinate geometry. Students with a proficiency in Algebra 1 based on a passing grade on the placement exam may begin Geometry as freshmen. Each student is required to have their own TI-83 or TI-84 calculator for this class.

4135 – Geometry H

Grade 9, 10

1 credit

Prerequisites for incoming freshmen: An A in Algebra I or a passing grade on the Diocesan Algebra I placement exam, and permission of the department based on previous academic record including standardized test scores within the 90th percentile in Mathematics. For current students: A in Algebra I Adv., Department Placement

The honors section of geometry covers the same topics as in 4133, but pursues these in greater depth. The emphasis in the honors section is on proofs, application, and problem solving, developing a solid conceptual foundation for the higher level mathematics courses of Pre-Calculus and AP Calculus. Trigonometric concepts are approached using the integration of geometry of algebra. The graphing calculator is used. Each student is required to have their own TI-83 or TI-84 calculator for this class.

4241 – Algebra II

Grade 11

1 credit

Prerequisite: C or better in Algebra I and C or better in Geometry

This second year of college prep level algebra extends the major topics of Algebra I (real numbers, polynomials, functions) and extends them to include complex numbers, quadratic and higher order polynomials, and expressions with rational exponents. New classes of functions, including exponential and logarithmic, are included in the students' problem-solving experiences. Each student is required to have their own TI-83 or TI-84 calculator for this class.

4243 – Algebra II Adv.

Grade 10, 11

1 credit

Prerequisites: C + or better in Geometry Adv. (or concurrent enrollment in Geometry) and permission of the department based on previous academic record including standardized test scores.

This second year of algebra extends the major topics of Algebra I (real numbers, polynomials, functions) and extends them to include complex numbers, quadratic and higher order polynomials, and expressions with rational exponents. New classes of functions, including exponential and logarithmic, are included in the students' problem-solving experiences. Trigonometric concepts involving the unit circle, radian measure, and trigonometric functions are introduced. Technology skills are extended to include algebraic manipulation software. Each student is required to have their own TI-83 or TI-84 calculator for this class.

4245 – Algebra II H

Grade 10, 11

1 credit

Prerequisites: A or B+ in Geometry (or concurrent enrollment in Geometry) and permission of the department based on previous academic record including standardized test scores.

This is an honors course in Algebra II, emphasizing higher order thinking skills, problem solving and preparation for high levels of mathematics. The course moves faster through the preliminary topics of Algebra II in order to provide more time to spend on advanced topics such as matrices, trigonometric functions, and advanced word problems. Students in Algebra II Honors are being prepared to meet the requirements for admission to the AP Calculus course. Each student is required to have their own TI-83 or TI-84 calculator for this class.

4383 – Pre-calculus Adv.

Grade 11, 12

1 credit

Prerequisite: C or better Algebra II Adv.

This course introduces the branch of mathematics known as analysis, which is the formal study of functions. Students compare behavior of each major class of functions, from polynomials to trigonometric, analyzing domain, range, and end behavior, leading to the study of limits. Technology is used to explore the representations of each of these classes of functions in all of their forms, numerical, algebraic, and graphical. This prerequisite to the calculus courses ends with an introduction to the concepts of derivative and antiderivative. Each student is required to have their own TI-83 or TI-84 calculator for this class.

4387 – Pre-calculus/Math Analysis H

Grade 11, 12

1 credit

Prerequisites: B+ or better in Algebra II Honors and permission of the department based on previous academic record including standardized test scores

This course is designed for students who are planning to take Calculus and are interested in a math or science-related career. This course introduces the branch of mathematics known as analysis, which is the formal study of functions. Students compare behavior of each major class of functions, from polynomials to trigonometric, analyzing domain, range, and end behavior, leading to the study of limits. Technology is used to explore the representations of each of these classes of functions in all of their forms, numerical, algebraic, and graphical. This prerequisite to the calculus courses ends with an introduction to the concepts of derivative and antiderivative. Each student is required to have their own TI-83 or TI-84 calculator for this class.

4457 – Algebra III

Grade 12

1 credit

Prerequisite: C or better in Algebra II, Adv. or H

This course continues the student's study of high school algebra and introduces them to additional topics. Topics include a thorough study of polynomials, rational functions and equations, transcendental functions, and linear programming. Systems of equations and inequalities will be explored, as well as conic sections. Students will begin a study of trigonometry concentrating on right triangles and basic trigonometric relationships. Algebra III provides students with an opportunity to extend the knowledge they began to acquire in Algebra II, and to develop new skills essential for success in undergraduate mathematics courses. Each student is required to have their own TI-83 or TI-84 calculator for this class.

4458 – Introductory Statistics with Applications

Grade 12

1 credit

Prerequisite: C or better in Algebra II, Adv. or H

This course is designed to support a first course in statistics that emphasizes statistical thinking. The focus of this course is on their relevance to such fields as medicine, education, environmental sciences, business, psychology, sports, politics, law and entertainment. The class will include many hands on activities to help explain statistical concepts. Each student is required to have their own TI-83 or TI-84 calculator for this class.

4595 – AP Statistics

Grade 11, 12

1 credit

Prerequisites: A in Algebra II Adv. or A in Algebra II H and teacher approval

This college level, pre-calculus-based statistics course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students interpret univariate data and explore bivariate data, probability theory, the normal curve, hypothesis testing, confidence intervals, and tests of significance. In addition to the curriculum outlined by the College Board, this course includes a study of the Poisson distribution, Geometric distribution, and various inferential methods. The statistical capabilities of the graphing calculator and other computer programs will be used. Each student is required to have their own TI-83 or TI-84 calculator for this class. All students are required to take the Advanced Placement test in May.

4465 – Calculus H

Grade 12

1 credit

Prerequisites: Pre-Calculus/Math Analysis H or an A or B+ in Pre-Calculus Adv., Department Placement

This course introduces students to topics developed in entrance level courses in many college mathematics programs. The concept of limits, derivatives, and integrals are explored from a conceptual level using polynomial and rational functions. Each student is required to have their own TI-83 or TI-84 calculator for this class.

4597 – AP Calculus AB

Grade 11, 12

1 credit

Prerequisites: A in Pre Calculus/Math Analysis H, Teacher Approval

This college-level course in single-variable calculus includes techniques and applications of the derivative, techniques and applications of the definite integral, and the Fundamental Theorem of Calculus. Algebraic, numerical, and graphical representations are emphasized throughout the course. Each student is required to have their own TI-83 or TI-84 calculator for this class. All students are required to take the Advanced Placement test in May.

4598– AP Calculus BC

Grade 12

1 credit

Prerequisites: A or B+ in Calculus AB, A in Pre-Calculus/Math Analysis H, Teacher Approval

This college-level course is roughly equivalent to both first and second semester college calculus courses and extends the content learned in AP Calculus AB to different types of equations and introduces the topic of sequences and series. The course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. Additional topics include additional methods of differential and integral calculus, such as parametric, polar and vector functions and series. The course teaches students to approach calculus concepts and problems when they are presented graphically, numerically, analytically and verbally, and to help make connections amongst these representations, including using technology. Each student is required to have their own TI-83 or TI-84 calculator for this class. All students are required to take the Advanced Placement test in May.

SCIENCE DEPARTMENT

The Science Program at Saint John Paul the Great Catholic High School provides students with a method of acquiring, organizing, analyzing, and explaining scientific data. The purpose of the program is to foster in students knowledge of and respect for the order and beauty of creation, an awareness of the forces that shape our physical and biological world, and a sense of personal responsibility for the direction science and technology will take in the course of their lives.

Mission Statement:

Members of the Saint John Paul the Great Science Department are committed to foster in students the virtue of science by teaching them to reason rigorously and logically to attain relevant truths about the physical world, about man, and to gain “certain knowledge of things and their proper causes” while respecting:

- *scientific and philosophical principles*
- *the natural moral law*
- *the dignity of the human person*
- *the common good of man*
- *the good of the order and beauty of creation*
- *a sense of personal responsibility for the direction science and technology will take in the course of their lives.*

The Science curriculum was modified beginning with the 2015-2016 school year. All freshmen will be enrolled in Biology. The half-year courses of Chemistry I, II and Physics I, II were phased into year-long courses starting with the 2016-2017 school year.

Required Courses:

Biology
Chemistry
Physics

Elective Courses:

Anatomy and Physiology I H
Anatomy and Physiology II H
Microbiology H
Genetics
Epidemiology
Environmental Science
Introduction to Sports Medicine
AP Biology
AP Physics I
AP Chemistry

5221 – Biology

Grade 9

1 credit

Prerequisites: Department Placement based upon previous academic record including HSPT scores.

Biology will introduce students to the basic life processes that unify living organisms. The fields of cell biology, classification, plant and animal physiology, genetics, evolution, and ecology are included in the course. The relationship between science and faith is established, with a particular focus on the necessity for ethical consideration in the life sciences. Personal and societal applications of biology are considered. Laboratory skills are developed and outside readings, including library research, are required. This course is designed to meet the needs of students who would benefit from greater instructional support in order to deepen their knowledge of biological science.

5223 – Biology Adv.

Grade 9

1 credit

Prerequisites: Department Placement based upon previous academic record including HSPT scores.

In this college-prep course, students are introduced to the basic life processes that unify living organisms. The fields of cell biology, classification, plant and animal physiology, genetics, evolution, and ecology are included in the course. The relationship between science and faith is established, with a particular focus on the necessity for ethical considerations in the life sciences. Personal and societal applications of biology are considered. Laboratory skills are developed, and outside readings, including library research, are required. This course is designed to meet the needs of students who can complete tasks with minimum supervision, and who demonstrate an above average level of aptitude and achievement.

5225 – Biology H

Grade 9

1 credit

Prerequisites: Department Placement based upon previous academic record including HSPT scores.

This is the honors level biology course which examines identical topics to those covered in 5223. However, this course will be taught in greater depth and at a faster pace. Emphasis will be on analytical thinking and application of knowledge. Students in Biology Honors will be required to do additional outside reading beyond the textbook, and to do research papers integrating biological concepts and current world issues.

5231 – Chemistry

Grade 10

1 credit

Prerequisites: Biology and completion of Algebra I.

This course is designed as a introduction to the fundamental concepts in chemistry such as: atomic theory and its relation to chemical behavior, chemical bonding, the mole and stoichiometry, molecular kinetics, energy relationships, solution dynamics, acids-bases, equilibrium, organic and biological chemistry, and nuclear interactions. The emphasis will be on everyday applications of chemistry and the environmental effects of modern society. This course is designed to meet the needs of students who would benefit from greater instructional support in order to deepen their knowledge of chemical science.

5233 – Chemistry Adv.

Grade 10

1 credit

Prerequisites: A or B in Biology Adv and concurrent enrollment (or completion) of Algebra I Adv.

This course is a study of fundamental chemical concepts, such as atomic theory and its relation to chemical behavior, chemical bonding, the mole and stoichiometry, molecular kinetics, energy relationships, solution dynamics, acids-bases, equilibrium, organic and biological chemistry, and nuclear interactions. Emphasis is placed on the utilization of mathematical, analytical, data acquisition, and communication skills as well as interdisciplinary approaches to discovery. Concepts and skills are reinforced by a strong emphasis on hands-on laboratory experiences and the integration of other branches of science. Applications to society, individuals, and the utilization of technology are included. This course is designed to meet the needs of students who can complete tasks with minimum supervision, and who demonstrate an above average level of aptitude and achievement.

5235 – Chemistry H

Grade 10

1 credit

Prerequisites: A or B in Biology H and an A or B in Algebra I H. Department placement required with an A in Biology Adv and an A in Algebra I Adv.

The topics covered in Chemistry Honors are identical to those covered in Chemistry Advanced but will be covered in greater depth and at a faster pace. However, the mathematical operations required for this course demand successful completion of Algebra II before starting this course. Students in Chemistry Honors will be required to be more independent in the laboratory and to use higher level analytical and evaluative skills.

5331 - Physics

Grade 11

1 credit

Prerequisites: Completion of Chemistry and concurrent (or completion) of Algebra I Adv.

This course is designed to provide students with fundamental understanding, knowledge, and awareness of the principles of high school physics. Students will learn about motion, forces, energy, heat, electricity, and other physical phenomena. The course is concept oriented and does not make extensive use of mathematics. The format of this course will include lecture, presentation, discussion, minimal problem-solving, and laboratory activities. Students are expected to complete tasks independently with supervision, and also demonstrate an average level aptitude and achievement in the class.

5333 - Physics Adv.

Grade 11

1 credit

Prerequisites: B grade in Chemistry Adv. and A or B grade in Algebra II Adv.

This course is designed to provide students with fundamental understanding, knowledge, and awareness of the principles of high school physics. Students will learn about motion, forces, energy, heat, electricity, and other physical phenomena. The format of this course will include lecture, presentation, discussion, problem-solving, and laboratory activities. Students are expected to complete the tasks independently with minimal supervision, and also demonstrate an above average level aptitude and achievement.

5335 - Physics H

Grade 11

Prerequisites: B+ in Chemistry H and B+ in Algebra II H or an A in Algebra II Adv. with Department Placement

In this honors course, the topics covered are identical to those in Advance Physics. However, the mathematical operations are more demanding and rigorous for the successful completion of this course. This class is an accelerated class that requires students to perform higher level mathematics. Students are also expected to be more independent in laboratory measurement techniques and analysis. Also, using higher level analytical and evaluative skills in problem solving both mathematically and graphically are highly anticipated. Students are expected to communicate scientific findings both orally and in writing throughout the course. The depth and pace of this course is designed for students who have an aptitude for science and/or want to pursue a science based major in college.

5347 – Anatomy & Physiology I H

Grade 11, 12 0.5 credit

Prerequisite: C or better in Biology

This course studies human anatomy and physiology, that is, the structure and function of the human body. Knowledge of biochemistry, cell structure and function, and the basics of physiology from Biology are presumed. This one semester course includes a study of the integumentary, muscular, skeletal, nervous, and endocrine systems. This course also introduces muscle motion and kinesiology.

5349 – Anatomy & Physiology II H

Grade 11, 12 0.5 credit

Prerequisite: Anatomy & Physiology I

This course studies human anatomy and physiology, that is, the structure and function of the human body. Knowledge of biochemistry, cell structure and function, and the basics of physiology from Biology are presumed. This second semester course includes a study of the pulmonary, cardiac, digestive, urinary, and reproductive systems. This course also includes attendance at a surgical theater.

5383 - Genetics

Grade 11, 12 0.5 credit

Prerequisites: B in Biology Adv. or H

This one semester course may interest students who are pursuing a career in a medical or biological field, or who simply have an interest in genetics. This course offers the opportunity to explore human genetics in detail. Topics will include development, transmission genetics, DNA and chromosomes, population genetics, and genetics of immunity and cancer. These topics will be explored through laboratory exercises, projects, and films.

5475 – Microbiology H

Grade 11, 12 0.5 credit
First semester only

Prerequisites: Prerequisites: B+ in Biology Adv. or H and B+ in Chemistry II Adv. or H or Chemistry Adv. or H; or Department Placement.

This honors level course is designed for students interest in medicine or the biological sciences when they enter college. Topics covered will include: microbial cell structure and function, metabolism, microbial genetics, immunology and medical microbiology. This course will serve as a general overview of the importance of microorganisms in the environment, human health, and human disease. This is a laboratory intensive course.

5487 – Epidemiology

Grade 11, 12 0.5 credit

Prerequisite: B in Biology Adv. or H

This course utilizes case studies and projects to develop an understanding of the spread of infectious disease and the contributing factors of behavioral diseases. Topics include: causation, correlation, measurement of disease rates, epidemic investigation, cohort studies, clinical trials, current events and some statistical analysis.

5489 –Environmental Science

Grade 12 0.5 credit

Prerequisites: C in Biology, C in Chemistry II or Chemistry

This semester-based course is an interdisciplinary course integrating scientific principles of chemistry, biology, and earth science in order to understand interrelationships of the natural world. The course will explore topics such as ecology, populations, resource use, pollution, and biodiversity. Environmental problems, both natural and man-made, will be identified and analyzed in classroom lectures, labs, field work, and independent projects. Scheduling preference is given to Grade 12.

5377 – Introduction to Sports Medicine

Cross-listed with 9377
Grade 11, 12 0.5 credit

This course is an introduction to the principles applied by athletic trainers in treating sports injuries. The course will include basic anatomy and physiology as pertains to sport injuries and further work in the treatment modalities used to get the injured athlete back to pre-injury condition. Students will receive information on how athletic injuries occur, how they are treated, and how they can be prevented. This course is for students with an interest in athletic training, physical therapy or sports medicine. Scheduling preference is given to Grade 12.

5485 - AP Biology

Grade 11, 12

1 credit

Prerequisites: A in Biology H and B+ in Chemistry II H or Chemistry H. Instructor permission required for an A in Biology Adv. and an A in Chemistry II Adv. or Chemistry Adv.

AP Biology is a rigorous and demanding course, which is the equivalent of a two semester college freshmen general biology course. This course will advance the student's understanding of concepts covered in high school biology with an emphasis on critical thinking and analysis. It provides a solid preparation for the AP Biology exam. Major course themes include biochemistry, cellular structure and function, genetics, evolution, ecology, and organismal diversity. This course includes a rigorous laboratory component designed to enhance the student's understanding of the material and meets College Board standards. All students are required to take the Advanced Placement exam in May.

5497 – AP Physics I

Grade 11, 12

1 credit

Prerequisites: A in Physics II Adv. (requires Teacher's Approval), or A or B+ in Physics II H and B+ in Algebra II H or A in Algebra II Adv. with Department Placement

AP Physics I is an algebra-based course in physics. Topics presented during the course closely follow those outlined by the College Board and an introductory level university course. Students are expected to have a much higher level of independence and maturity when undertaking the AP course. The course focuses on the interconnections between the various strands and units contained in the course syllabus and how each contributes to the "Big Ideas" that provide a core foundation for this science. Problem solving techniques and strategies are fine-tuned throughout the year, and students are continually tasked with connecting physics applications learned in different units in order to synthesize solutions to complex problems. Also, students are expected to participate in inquiry-based explorations of these concepts through problem-solving and critical-thinking activities. Student evaluation will be based on homework, laboratory, special projects, presentation, periodic quizzes, and a comprehensive exam. All students are required to take the Advanced Placement exam in May.

5495 – AP Chemistry

Grade 12

2 credits

Prerequisites: A or B+ in Biology H or an A in Biology Adv. and an A or B+ in Chemistry H or an A in Chemistry Adv., Department Placement

This course is designed as the equivalent of a college-level freshman general chemistry course. Students attain a depth of understanding of the fundamentals of chemistry and competence in dealing with chemical problems. It is a rigorous course that is qualitatively different from the high school chemistry sequence in topics covered and the mathematical applications and laboratory work that is required. Quantitative differences appear in the number of topics treated and the time required by students outside of class for successful work in the course. The nature and variety of experiments done in the laboratory require a high level of analytical and evaluative skills. This course is based on the AP Chemistry syllabus as outlined by The College Board. All students are required to take the Advanced Placement exam in May.

SOCIAL STUDIES DEPARTMENT

Courses in our Social Studies Department provide an understanding of the social, political, economic, religious, and intellectual structures and movements of the present. The understanding of our accumulated experience enables us to construct a better society. The students will develop an understanding of the interconnectedness of humanity, realizing our common heritage and values, rights and responsibilities.

Saint John Paul the Great Catholic High School is committed to providing a curriculum that will direct the development of reflective, competent and concerned citizens. Our courses seek to develop the students' ability to reason and write, to discern opinion from fact, and to appreciate the difference between the two.

Mission Statement:

“In the beginning was the Word, and the Word was with God, and the Word was God - The same was in the beginning with God - All things were made by him; and without him was not any thing made that was made - In him was life; and the life was the light of men” (John 1: 1-4)

The Social Studies Department of Saint John Paul the Great Catholic High School is committed to providing a curriculum that will direct the development of ethical, reflective, competent, concerned and active citizens. Through critical analysis of events, movements and people, Social studies courses provide a religious, social, political, economic and intellectual understanding of the world. This shows how events and movements of the past lead to construction of a better society that reflects the truth of our faith. Students will develop an understanding of the interconnectiveness of humanity, realizing our common heritage and values, rights, and responsibilities. Our courses seek to develop our students' ability to analyze, reason, write and discern opinion from fact while appreciating the differences between the two. These critical skills equip our students to use Catholic values to make informed decisions within their spheres of relationships which include the global community, the United States, the local community, the Catholic Church and the family.

Required Courses:

World History
U.S. and Virginia History
(AP U.S. History)
U.S. and Virginia Government
(AP U.S. Government and Politics)
European History
(AP European History)

Elective Courses:

History of Media
History of the Catholic Church
AP Human Geography
Personal Finance
Business Ethics and Social Responsibility

6183 – World History Adv.

Grade 9

1 credit

Prerequisites: Satisfactory completion of Eighth Grade English and Department Placement based upon previous academic record and HSPT scores.

This course is designed to meet the needs of students who can complete tasks with minimum supervision, and who demonstrate an above average level of aptitude and achievement. This course is designed to provide students with an understanding of the base upon which modern civilization is built. The course begins with a brief introduction to basic geographic skills and continues with the development of human civilizations of the ancient world beginning with early man and continuing through the decline of the Roman Empire. The course continues with examination of the Middle Ages before ending with the Renaissance. Students will examine the religious, cultural, economic and political events that shaped the ancient and classical worlds and relate historical data to the modern world. Throughout this course, students are introduced to the contributions and achievements made by civilizations around the world to western civilization. The study of geography is integrated throughout the course.

6185 – World History H

Grade 9

1 credit

Prerequisites: Completion of Eighth Grade English with a grade of an A, scores above the 90th percentile on Placement and Assessment Tests.

This honors level course is designed to provide the students with an understanding of the base upon which civilization is built. The subject matter covered in this course is identical to that covered in World History with additional emphasis on analysis of primary documents and writing skills. Students examine the religious, cultural, economic and political events that shaped the ancient and classical worlds and relate historical data to the modern world. Throughout this course, students are introduced to the contributions and achievements made by civilizations around the world to western civilization.

6263 – U.S. and Virginia History Adv.

Grade 10, 11

1 credit

Prerequisites: Satisfactory completion of World History and English I.

This course is designed to meet the needs of students who can complete tasks with minimum supervision, and who demonstrate an above average level of aptitude and achievement. This course will trace the rise of the American nation from colonization to contemporary society, emphasizing the contribution of the state of Virginia. The study will provide opportunity for students to develop critical thinking and analytic skills necessary to deal critically with the events in United States history, as well as to develop skill in interpreting maps. In addition to studying major themes in U.S. history, students will develop the ability to think critically, articulate themes, and write succinctly.

6355 – AP U.S. Government and Politics

Grade 11, 12

1 credit

Prerequisites: A or B+ in AP U.S. History and English II H, or an A in U.S. and Virginia History Adv. and English II Adv. or English Language and Composition with Department Recommendation

This AP survey course explores the theory and practice of government at the national and state level. Students will be assigned independent readings and will be required to demonstrate the ability to analyze, interpret and evaluate data pertaining to both the theory and practice of our nation's government. Excellent reading and writing skills are necessary for the course. More independent work is required of the students. All students are required to take the Advanced Placement exam in May.

6493 European History Adv.

Grade 12

1 credit

Prerequisites: Satisfactory completion of U.S. and Virginia Government Adv. and English Language and Composition Adv.

This course is designed to meet the needs of students who can complete tasks with minimum supervision, and who demonstrate an above average level of aptitude and achievement. This survey course follows the World History course focusing its study on European history from the Renaissance to the latter part of the 20th century. Attention is given to cultural, political, socioeconomic, and religious events over these periods. Students will develop their ability to think and write critically by analyzing historical evidence, at times using primary sources. Independent and small group library research is integrated into the course to assist in analysis of material and presentation of ideas to others. In addition to studying major themes in European History, students will develop the ability to think critically, articulate themes, and write succinctly.

6494– European History H

Grade 12

1 credit

Prerequisites: A or B+ in AP US Government and AP English Lang. & Comp, or an A or B+ in US/VA Government H and English Language and Composition H, or an A in US/VA Government Adv. and English Lang. & Comp. Adv. with Department Recommendation

This course is designed for the student desirous of a challenging and far-reaching study of European History. The course covers the social, political, economic, and cultural history of Europe from the High Renaissance to the present day. This course is heavily dependent on the students' willingness to go deep with historical texts and write and speak clearly on a variety of topics. Additionally, students must demonstrate their ability to analyze, interpret, and evaluate the ideologies and personalities that have shaped Europe.

6495 – AP European History

Grade 12

1 credit

Prerequisites: A or B+ in AP U.S. Government and Politics and AP English Language and Composition, or an A in U.S. and Virginia Government Adv. or U.S. and Virginia Government H and English Language and Composition Adv. with Department Recommendation

This college-level course studies European History in greater depth and with more independent work required of the students than does 6493, though the topics and time period covered are the same. Cultural, diplomatic, economic, intellectual, political, and social history from 1450 (the High Renaissance) to the present are incorporated in preparation of the AP exam. All students are required to take the Advanced Placement exam in May.

6459 – History of the Catholic Church

Cross listed with 1429

Grade 12

0.5 credit

This elective course is a survey of the history of the Church from the time of Jesus until the present. It will supply students with a general knowledge of the Church's history, noting for them both the Divine and human elements of the living Body of Christ throughout its 2000 years of history.

6485 – AP Human Geography

Grade 11, 12

1 credit

Prerequisites: A or B+ in AP English Language and Composition or H, or an A in English Language and Composition Adv and an A or B+ in AP U.S. History or AP U.S. Government and Politics or H, or an A in U.S. and Virginia History Adv. or H or U.S. and Virginia Government Adv.

This course introduces students to the systematic study of patterns and processes that have formed our understanding, use and alteration of the Earth's surface. This study focuses on Geography: its nature and perspectives, population, cultural patterns, political organization of space, agricultural and rural land use, industrialization, and urban use of land. All students are required to take the Advanced Placement exam in May.

9337 – Personal Finance

Grade 11, 12

0.5 credit

This course is designed to introduce students to personal financial management. Students will explore investment options, including stocks, corporate and municipal bonds, and mutual funds. Other topics include: managing budgets, checking and savings accounts, insurance, taxes, IRAs and 401ks. They will also study how to deal with credit prudently.

9398 - Business Ethics and Social Responsibility

Grade 11, 12

0.5 credit

This course is designed to apply Catholic Social Teaching to the realm of business. Integrating natural law and virtue, this study provides students with a rich explanation of ethical decision-making in business, equipping them with the tools necessary to effectively analyze and charitably evaluate problematic business situations. Students will come to understand that business, if conducted ethically, can be a vital and positive element of human social life.

6457 – History of Media

Cross listed with 9624

Grade 10, 11, 12

0.5 credit

In this fast-paced elective course, students acquire understanding of the origins of and development of mass communication in the United States beginning with the dawn of writing and extending through modern day mass media in America to include print, electronic, and social media. In addition to learning about the chronological and technological development of mass media, students develop critical thinking skills by examining the impact of mass media on American society, education, culture, politics, and values. As with all history courses, this class seeks to provide civic, intellectual, and moral value for students of 21st Century America. Students should expect to engage in extensive reading and independent study to master the fundamentals of media history in this course.

WORLD LANGUAGE DEPARTMENT

Saint John Paul the Great Catholic High School supports a full four-year world language program for its students. The goal of the program is for each student to develop proficiency in reading, writing, and speaking in a modern (French or Spanish) or classical (Latin) language. The students have an opportunity to take four years of language at the high school level, even if they have placed out of the Level One course in their chosen language, based on their experience in their pre-high school coursework. The full four-year curriculum is available in French, Spanish, and Latin. AP courses are offered as enrollment permits to eligible students.

The World Language requirement is 2 credits of the same language taken in high school.

The AP courses may be taken by students who are juniors or seniors, after having completed 3 or 4 levels of their language courses. They are intended for highly motivated students and are comparable in content and difficulty to a college-level language course.

Mission Statement:

As human beings endowed with God-given dignity, we recognize the same dignity in other humans and seek to communicate with our fellows and with the good God who created us. We in the World Language department are committed to educating all the students of Saint John Paul the Great High School so that they not only speak, read, write, and comprehend a language other than English, but also appreciate the culture of and our connectedness with the children of God throughout the world. In this manner, we seek to help spread the good news and glory of God.

Courses:

Spanish I	Latin I	French I
Spanish II	Latin II	French II
Spanish II Honors	Latin III Honors	French III
Spanish III	Latin IV Honors	French III Honors
Spanish III Honors	AP Latin	French IV Honors
Spanish IV	Latin V Honors	AP French Language
Spanish IV Honors		
AP Spanish Language		
Spanish V		

7123 – Spanish I 1 credit

Prerequisites: Placement by the Assistant Principal of Academics and the Guidance Department

Students learn basic Spanish with an emphasis on the four aspects of language acquisition: speaking, listening, reading, and writing.

7223 – Spanish II 1 credit

Prerequisites: C or better in Spanish I and Department Placement or passing grade on Spanish Language Exemption Exam

Students expand their acquisition of the language. Spanish will be spoken in the classroom to develop verbal communication skills and listening skills.

7225 – Spanish II H

1 credit

Prerequisite: A in Spanish I with teacher approval, or 95% or higher on Spanish Language Exemption Exam

Like Spanish II, students expand their acquisition of the language. This course is conducted in Spanish; no English is spoken. There is an emphasis on developing verbal communication skills and listening skills while continuing to focus on grammatical structures and vocabulary.

7323 – Spanish III

1 credit

Prerequisites: C or better in Spanish II and Department Placement

This course is conducted in Spanish; no English is spoken. Language immersion seeks to develop students' listening and speaking skills, and help them to develop more advanced writing and reading skills.

7324 – Spanish III H

1 credit

Prerequisites: A in Spanish II or Spanish II H and Teacher Recommendation

This course is conducted in Spanish; no English is spoken. This course is offered to students who are motivated and want to be challenged with a Pre AP curriculum. Grammar and Vocabulary will be covered in more depth. Culture, art, music, history and current events of Spanish speaking countries will be part of the curriculum to help students develop more advanced oral, writing and reading skills.

7423 – Spanish IV

1 credit

Prerequisites: C+ or better in Spanish III and Department Placement

This course is conducted in Spanish; no English is spoken and builds upon the language base developed in Spanish III. Language immersion seeks to develop students' listening and speaking skills, and help them to develop more advanced writing and reading skills.

7425 – Spanish IV H

1 credit

Prerequisites: A in Spanish III or B+ in Spanish III H, Department Placement

Like Spanish IV, this course is conducted in Spanish; no English is spoken, and seeks to develop students' listening and speaking skills. The Honors level will provide a more advanced study of writing and reading skills to prepare students for the AP level course.

7525 – AP Spanish Language

1 credit

Prerequisites: A in Spanish IV or Spanish IV H with Department Placement

A reasonable proficiency in all four language skills is expected at the outset of this course. The course encompasses advancing comprehension in formal and informal Spanish, the reading of magazines, newspapers and literature. All students are required to take the AP Examination in May.

7527 – Spanish V

1 credit

Prerequisites: B+ in Spanish IV or Spanish IV H

A reasonable proficiency in all four language skills is expected at the outset of this course. The course encompasses advancing comprehension in formal and informal Spanish, the reading of magazines, newspapers and literature.

7131 – Latin I

1 credit

Prerequisite: Department Placement

Students learn basics of the language, culture, and history of the ancient Romans. Forms, syntax and vocabulary are stressed. The course is taught through reading comprehension approach.

7231– Latin II

1 credit

Prerequisites: Grade of C or better in Latin I, Department Placement

Students continue to study the Latin language, culture, mythology and history of the ancient Romans. The course is taught through a reading comprehension approach. Connections to the modern world and English vocabulary continue to be emphasized.

7331 – Latin III H

1 credit

Prerequisites: Grade of B or better in Latin II, Department Placement

This honors course focuses on the study of Latin literature (prose and poetry). Students work with the original Latin texts of various historians, poets, orators and Christian authors, including Livy, Cicero, Ovid and St. Augustine. In addition to comprehension and translation, students begin the analysis of Latin texts within their relevant history and culture.

7431 – Latin IV H

1 credit

Prerequisites: B or better in Latin III Honors

Students will continue their study of authentic Latin texts, with the additional focus on connecting the content presented by Latin authors to problems relevant in modern times. In particular, students will further their understanding of translation and grammar by investigating Roman heroes, Roman military strategy and some Roman philosophy. Translation, sight reading and comparative analysis form the basis for this honors-level Latin class.

7335 – AP Latin

1 credit

Prerequisites: B or better in Latin III H or Latin IV H, Teacher Approval

This college-level course involves an in-depth concentration of Virgil's *Aeneid* and Caesar's *Commentarii de Bello Gallico*, and a comparison of the genres which each exemplifies. Extensive translation and sight reading are required. Students will also develop a critical appreciation for the literary techniques and rhetorical devices used by both authors. A summer assignment will be required. All students are required to take the Advanced Placement exam in May.

7537 – Latin V H

1 credit

Prerequisites: Successful completion of AP Latin in Grade 11 or Teacher Recommendation; only open to Grade 12

This course examines cultural customs of the Roman Empire through the lens of Latin authors, primarily of the Augustan period. Students will be expected to read and comprehend Latin prose and poetry, understand both grammar and literary devices, and analyze what these texts reveal to modern readers about the social norms of ancient Rome. Topics include Roman dining customs, Roman views on women, and slavery in Rome.

7154 – French I

1 credit

Prerequisite: Department Placement

Students learn basic French with an emphasis on the four aspects of language acquisition: speaking, listening, reading, and writing.

7254 – French II

1 credit

Prerequisites: C or better in French I and Department Placement or passing grade on French Language exemption exam

Students continue their acquisition of the language. French will be spoken in the classroom to develop verbal communication skills and listening skills.

7354 – French III

1 credit

Prerequisites: C or better in French II and Department Placement

Students expand their acquisition of the language. Writing skills are further developed and expansion of vocabulary is stressed. Reading and discussions take place in French, without the use of English. Verbal communication skills and listening skills are expanded.

7355– French III H

1 credit

Prerequisites: A in French II and Teacher Recommendation

Students in the honors class will be expanding their acquisition of the language as in the French III class, but with greater emphasis on spoken French. This course is for motivated students who want to be challenged with a pre-AP curriculum. History and literature and especially current events of francophone countries will be included to help students develop more advanced speaking, writing, and reading skills.

7454 –French IV H

1 credit

Prerequisites: B in French III H or A in French III and Department Placement

In this honors course, students expand their knowledge of grammatical concepts, written communication and speaking. French culture, literature, and history are also studied.

7455 – AP French Language

1 credit

Prerequisites: A in French IV H,
Department Placement

A reasonable proficiency in all four language skills is expected at the outset of this course. The course encompasses advancing comprehension in formal and informal French, the reading of magazines, newspapers and literature. All students are required to take the Advanced Placement exam in May.

FINE ARTS DEPARTMENT

The fine arts enhance the human experience and enrich the human person. The fine arts curriculum at Saint John Paul the Great Catholic High School provides opportunities for students to explore the arts and to acquire historical and cultural knowledge while developing skills across various arts disciplines. The study of the fine arts provides a foundation from which each student may guide his or her creativity towards an informed and authentic expression, in service of beauty and society.

Mission Statement

"This is precisely your task, your mission: to stir up awe at and desire for the beautiful, form the sensitivity of souls and nourish the passion for all that which is an authentic expression of the human genius and a reflection of divine beauty."--Pope John Paul II's 1999 "Letter to Artists"

Fine Arts teachers, in appreciation for the beauty of truth, commit to:

- *Awakening in new students an awareness of a talent or gift for the arts of which they had been previously unaware,*
- *Giving instruction that aids students in developing their craft and instills in them a desire for continuous improvement and growth,*
- *Forming students' sense of the good and beautiful, so they develop a discerning eye,*
- *Fostering students' understanding that a gift of self through properly ordered artistic expression is an act of love and has potential to bear fruit within the larger community,*
- *Engaging the culture*

Please note: We encourage students to participate in both the band/music program and JP athletics. There are a few after-school events (rehearsals, sectionals, etc. . .) that are required for the band/music program. It will be the responsibility of the student to notify the Band/Music Director and their JP athletic coach in advance if there are any conflicts. The schedules for all events will be made available at the beginning of the school year. Band/Music students who cannot attend a concert/event will be expected to make up the grade with an alternate assignment. These courses are denoted with a plus sign (+).

Courses:

Concert Chorus*+
Women's Chorus*+
St. Cecilia Chorale*+
Guitar Ensemble*+
Chamber Orchestra*+
Concert Band*+
Jazz Band*+
Mass Choir*+
Basic Music Theory
AP Music Theory
Studio Art I and II
Drawing I and II
Portfolio Production/Drawing III and Painting
Beginning Sculpture

Clayworks
AP Studio Art: Drawing Portfolio
AP Studio Art: 2D Design
Digital Photography I* and II*
Speech and Debate
Advanced Forensics*
Theatre Technology*
Acting I*
Acting II-Playing Shakespeare*
Dance I* and II*
AP Art History

* Courses with an asterisk denote that students taking this course must have a signed Photo Permission Form on file with the school granting full permission for photos and

recordings to be published. Full details are outlined on the Photo Permission Form. Please contact the Registrar for another copy if needed.

8010 – Concert Chorus*+

Grade 9, 10, 11, 12 (males) 1 credit
 Grades 11, 12 (females)

This course continues to offer instruction on methods and techniques for developing one's voice. This encompasses understanding good vocal health, applying correct breathing habits to improve one's vocal flexibility and tone quality, using good diction, achieving excellent blend and balance within the ensemble, and utilizing proper phrasing and dynamics. A variety of musical styles from unison to four-part music representing all the music periods will be studied and performed. Students will be required to participate in five concerts per year. This course may be repeated each year.

8110-Women's Chorus*+

Grade 9, 10 (females) 1 credit

This course continues to offer instruction on methods and techniques for developing one's voice. This encompasses understanding good vocal health, applying correct breathing habits to improve one's vocal flexibility and tone quality, using good diction, achieving excellent blend and balance within the ensemble, and utilizing proper phrasing and dynamics. A variety of musical styles from unison to four-part music representing all the music periods will be studied and performed. Students will be required to participate in five concerts per year. This course may be repeated.

8117 – St. Cecilia Chorale*+

Grade 10, 11, 12 1 credit

Prerequisite: Audition required

The St. Cecilia Choir is a small ensemble of our most advanced singers. These students will be singing music written for small ensembles of acapella singers. They will sing all styles of music from Sacred Polyphony to madrigals to contemporary jazz. Auditions will be held in the spring. Students will be required to sing in five or more concerts per year, plus assessment and also including travel to schools within our district/diocese for field trips. This course may be repeated each year.

8118– Mass Choir*+

Grade 10, 11, 12 1 credit

This class is devoted to correct formation of liturgical practices. The class will study the liturgy documents and implement the material correctly in our school liturgies. The class will work closely with the school chaplain and choir director to study all aspects of liturgy including music, readings, serving at the altar, maintaining the sacristy, and preparing and purchasing any liturgical items. Students will study both the Novus Ordo Mass as well as Mass in the Extraordinary form. The class will also make up the core group of singers for the Mass choir. Students will sing for all weekly Masses plus a special Advent Mass held outside of class-time, as well as Baccalaureate Mass.

8042-Guitar Ensemble*+

Grade 9, 10, 11, 12 1 credit
 Maximum of 10 students

Prerequisite: Audition required

The guitar ensemble is a musical group made up of several guitarists, one bass player and a drummer. Students must audition to be a part of the guitar ensemble. The class consists of learning music through a variety of means including ear training, reading music, and improvisation. Students play for several Masses a year as well as four concerts; two with the other musical groups and the last two consisting of a solo concert for the guitar ensemble in which the musicians perform together, as soloists, and in small groups. The students are exposed to all musical styles. Students must have their own acoustic guitar, amplifier, picks, and cords. This course may be repeated each year.

8046-Chamber Orchestra*+

Grade 9, 10, 11, 12 1 credit

This course was formerly listed as the String Ensemble and is made up of students who play the violin, viola, cello, and bass. Students are expected to have one year of playing prior to joining this ensemble. Students will learn many styles of music as well as the proper articulation for their instrument. They are required to perform in five concerts each year. There are opportunities to play for Junior and Senior Regional Orchestras, as well as Solo and Ensemble. Students are tested regularly on scales and repertoire, and there are two major written tests each year on basic music theory concepts. Students must provide their own instrument. This course may be repeated each year.

8030 – Concert Band*+

Grade 9, 10, 11, 12 1 credit

Prerequisites: Band Instrument Experience, Teacher Approval

The Concert Band is an intermediate level course designed for students who have at least one year of playing experience. Students will be required to perform in a band and will be challenged to learn the music theory behind what they perform. The goal of the course, to develop the student's skills as a musical artisan, is achieved through an acquisition of theoretical concepts, the development of skill as instrumentalists, and the acquisition of knowledge regarding proper concert performance etiquette. Students are required to participate in five concerts per year, assessment, JP home football games, and Graduation. One after-school practice is required each month. This course may be repeated each year.

8038 - Jazz Band*+

Grade 10, 11, 12 1 credit

Prerequisite: Audition Required

Jazz Band is a performing group of musicians who enjoy the Jazz genre. Students must be proficient on their instrument, and must be able to play at an advanced level. Students are accepted into the program through audition and recommendation only. Good sight reading skills as well as exemplary technique are required by each student. Students will play in three or four concerts each school year. One after-school practice is required each month. This course may be repeated each year.

8075-Basic Music Theory

Grade 9, 10, 11, 12 1 credit

Note: One section of this course will be offered every other year.

This course develops the student's ability to recognize, understand, and describe the basic materials and processes of music as heard or presented in a music score. The course includes learning activities designed to develop aural, sight singing, written, compositional, and analytical skills. It assumes the student's ability to read and write musical notation, as well as basic performance skills in voice or on an instrument.

8475 – AP Music Theory
Grade 11, 12 1 credit

Prerequisite: Teacher Approval, AP pre-test administered by the AP Instructor, or B or better in Basic Music Theory.

Note: One section of this course will be offered every other year.

This college-level course develops the student's ability to recognize, understand, and describe the basic materials and processes of music as heard or presented in a music score. The course includes learning activities designed to develop aural, sight-singing, written, compositional, and analytical skills. It assumes the student's ability to read and write musical notation, as well as basic performance skills in voice or on an instrument. All students are required to take the Advanced Placement exam in May.

8122 – Studio Art I
Grade 10, 11 1 credit
Suggested Prerequisite: Drawing I

This course is designed for students who want to learn the fundamentals of drawing, painting, sculpture and printmaking. The course will explore art history in a manner that will enrich students' appreciation of art as they develop their visual communication skills. It will enhance their ability to express themselves, enrich their cooperative learning skills, and offer them an intellectual aesthetic for the arts while building their art vocabulary.

8224– Studio Art II
Grade 11, 12 1 credit

Prerequisite: Studio Art I or Drawing I

This course is designed to follow Studio Art I and will build on previous knowledge and vocabulary. Students will have an opportunity to display their work through school sponsored events and publications as well as outside the school environment.

8072 – Drawing I
Grade 9, 10, 11 0.5 credit

Students learn the basic skills of drawing. Drawing from observation along with learning various drawing techniques is the focus of this course.

8075 – Drawing II
Grade 10, 11, 12 0.5 credit

Prerequisites: Drawing I, Studio Art I or equivalent, Teacher Approval

This course is designed to follow Drawing I. This course aims to foster an individual approach to drawing. Emphasis is placed on drawing from observation. A variety of media is used, to include pencil, charcoal, pastel, watercolor, ink washes, acrylic painting and other mixed media drawing techniques. It will build on previous knowledge and vocabulary. Students will have an opportunity to display their work.

8076 - Portfolio Production/ Drawing III and Painting
Grade 10, 11, 12 0.5 credit

Prerequisites: Drawing II or Studio Art II, Teacher Recommendation

This course is designed to deepen students' artistic perception and widen their technique in a variety of media. Emphasis will be placed on rendering accurately, developing a process for producing works of art, assembling a portfolio and discovering a concentration for further study. This course will prepare students for AP Studio Art. May be repeated for a maximum of 1 credit

8267 – Beginning Sculpture
Grade 10, 11, 12 0.5 credit

Prerequisite: Clayworks, Drawing I or Studio Art I

Beginning sculpture will provide students with the unique opportunity to understand form from a variety of perspectives. Clay serves as the principle medium to construct works that will later be kiln fired or cast in plaster. Both an observational and structural approach will be emphasized. Students will sculpt smaller objects by direct observation, “drawing in clay,” and then flushing out the form three-dimensionally. Students will also learn how to build an armature for larger pieces, such as the figure or a portrait bust. A constructive anatomy approach is also included in the curriculum; one in which students transform geometric solids into anatomical form. The course culminates with an individual final-project which would demonstrate both approaches.

8264 – Clayworks
Grade 10, 11, 12 0.5 credit

This course focuses on the history and fundamental approaches to working with clay, hand-building, wheel throwing and various techniques of glazing.

8385 – AP Studio Art: Drawing Portfolio
Grade 11, 12 1 credit

Prerequisite: Studio Art II, Drawing II or equivalent, Teacher Approval

This course is designed for students who are proficient in drawing and painting. The student defines a special area of interest at the beginning of the year and produces a body of work that reveals experimentation and careful examination of that area of interest. The student assembles his work in a portfolio. At the end of the year, the student presents a display of his work in a juried student art exhibit. All students are required to take the Advanced Placement exam in May.

8487 – AP Studio Art: 2D Design
Grades: 11, 12 1 credit

Prerequisite: Studio Art II, Drawing II or equivalent, Teacher Approval

Similar to the drawing portfolio, students define an area of study from which they produce a body of work. The emphasis for the 2-D Design portfolio is a focused investigation into the elements of art and the principals of design. Works for the 2D Design portfolio may include photography and graphic design. All students are expected to submit a portfolio for the AP Studio Art examination in May.

8298 – Digital Photography I*

Cross listed with 9613

Grade 9, 10, 11, 12

0.5 credit

Scheduling preference is given to upperclassmen.

This course helps the student to progress from taking amateur snapshots to increasingly thoughtful images. This includes lessons in composition, color, and special camera features. Students also learn about elements such as aperture, shutter speed, depth of field, and ISO. Different points of the semester place emphasis on sports photography, macro photography, Adobe Photoshop®, taking creative shots, and learning to communicate abstract ideas and concepts through pictures. The history of photography and the technology behind digital photography are also discussed.

8299 – Digital Photography II*

Cross listed with 9615

Grade 9, 10, 11, 12

0.5 credit

Scheduling preference is given to upperclassmen.

This course will utilize the skills gained from Digital Photography I and will specifically emphasize the Rules of Composition, Studio Photography and Advanced Photoshop skills. The end result of this class will be a complete and printed body of work to be presented in the form of a portfolio.

8370 - Speech/Debate

Cross listed with 3360 and 9620

Grade 9, 10, 11, 12

0.5 credit

In this performance-based course students learn effective speaking and listening skills for giving and appreciating various kinds of speeches, including oratory, extemporaneous, improvisational, among others. Students also learn the skills needed to debate for and against a position as in Lincoln/Douglas debate, and for and against a policy, as in policy debate. The course is designed to improve the students' knowledge of communication skills as well as develop their self-confidence in speaking and debating before an audience. By studying actual debates, students evaluate the influence of media in shaping popular opinion.

9630 - Advanced Forensics*

Cross-listed with 3361 and 8377

Grade 10, 11, 12

0.5 credit

This interscholastic competition-based course studies intensive exploration of three families of forensic events: interpretation of literature, limited-preparation speaking, and oratory. For interpretation of literature, students study prose, poetry, and plays in order to perform these works orally. As part of the study of limited-preparation events, students study speech organization and delivery methods, with particular attention to preparing for debating issues of public policy facing the United States and the international community. For oratory, students prepare reinterpretations of historical speeches and also write and deliver their own persuasive/informative speeches. Students should plan to commit to interscholastic competition, judging, and hosting of tournaments over the course of the year.

8050 - Theatre Technology*

Cross listed with 9616

Grade 10, 11, 12

0.5 credit

This semester course explores the ways the changing technology of theatre affects scenography—the coordinated design of scenery, lights, costumes, and other technical aspects of stagecraft. Students learn the vocabulary of equipment, the properties of modern scene materials, the advances in technological fields, and the professional standards in design and technology. This course also introduces the use of computer assisted design programs associated with theatrical lighting. In addition, a hands-on laboratory component is part of the course: Students will design and execute the technological aspects of the Acting classes' and Drama Club's productions

8056 – Acting I*

Cross listed with 9614

Grade 9, 10, 11, 12

0.5 credit

This course teaches the basic elements of the craft of acting. Performance elements require ensemble work and memorization. Students may be required to attend a rehearsal on Saturday or holiday. Students will also attend another local play to write a review of the performance elements of the show. This class is intended for those who have little or no prior theatrical training and experience.

8057– Acting II-Playing Shakespeare*

Cross-listed with 9617

Grade 9, 10, 11, 12

0.5 credit

This course builds on the basic elements of the craft of acting. The focus is on honing the craft through merging naturalistic techniques such as the Meisner technique with Elizabethan drama. Students will produce a Shakespearean play. Students may be required to attend a rehearsal on Saturday or a holiday. They should expect to memorize on their own time.

8089 – Dance I*

Cross listed with 9089

Grade 9, 10, 11, 12

0.5 credit

This course is designed to introduce the basic elements of dance to the student without prior dance experience. The students explore the fundamental concepts used in ballet and jazz dance. Dance history, critical analysis, and film study are incorporated into the curriculum. The class culminates in choreographing, rehearsing, and performing a piece for presentation to the public at the end of the semester.

8099 – Dance II*

Cross-listed with 9099

Grade 9, 10, 11, 12

0.5 credit

Prerequisites: Dance I and/or Teacher Approval

This course builds on skills learned from Dance I. Students continue to expand and develop their repertoire to include more advanced moves from modern and tap dance in the theatrical styles. The class culminates in the performance of a choreographed routine for the public at the end of the semester.

8485 - AP Art History

Grade 12

1.0 credit

Prerequisites: A or B in AP English Language and Composition or an A in English Language and Composition Adv. or H and an A or B in AP U.S. History or AP European History or an A in U.S. and Virginia History Adv. or H or European History Adv. or H

Note: Only one section of this course will be offered every other year.

This course offers the serious student the opportunity to explore, in depth, the history of art from ancient times to the present. Through readings, research, slides, videos, and museum visits, students will view significant artworks from around the world. Writing skills will be important in the description, analysis, and comparison of these works. Students are encouraged to keep a notebook to record class discussion on significant historical events, art periods/styles, specific artworks, and issues/themes that connect these artworks

9129 – Health: An Ethical Approach

Cross Listed with Bioethics 2129
Grade 9 or 10 0.5 credit

This course is designed to take a holistic approach to human health. For a complete description of the course see Bioethics 2129.

9210 – Physical Education II / Drivers' Education

Grade 10, 11 0.5 credit

Prerequisite: PE I/Introduction to Team Sports

This course consists of nine weeks of a state approved drivers' education course which will cover aspects of safe and responsible use of a motor vehicle. The co-ed physical education portion of the course provides students with the opportunity to take part in team activities as well as to maintain their physical fitness

9278 – Weight Training

Grade 10, 11 0.5 credit

Prerequisite: PE I/Introduction to Team Sports

This course emphasizes self-improvement and will enhance the student's knowledge of physiology, endurance, and strength development. Techniques and form for weight lifting will be emphasized as students are given daily class opportunities to establish personal goals that are tracked and monitored for the purpose of learning the elements of exercise program design and to allow students to demonstrate marked improvement throughout the semester.

9279 – Advanced Weight Training

Grade 11, 12 0.5 credit

Prerequisites: Weight Training and/or Teacher Approval

This course includes techniques and form for weight lifting that will be sport specific. Students will be given daily class opportunities to establish personal goals that are tracked and monitored for the purpose of learning the elements of exercise program design and to allow students to demonstrate marked improvement throughout the semester.

9288 – Lifetime and Individual Sports

Grade 10, 11, 12 0.5 credit

Prerequisite: PE I/Introduction to Team Sports

This course includes continued learning of motor skills related to more team and individual sports such as track & field, tennis, ultimate frisbee, flag football, badminton, soccer, volleyball, basketball, and bowling. The course will provide opportunities to foster leadership attributes, strategic play, sportsmanship, and statistic/record keeping aspects among the sport activities.

9089 – Dance I*

Cross listed with 8089

Grade 9, 10, 11, 12

0.5 credit

This course is designed to introduce the basic elements of dance to the student without prior dance experience. The students explore the fundamental concepts used in dance. Dance history, critical analysis, and film study are incorporated into the curriculum. The class culminates in choreographing, rehearsing, and performing a piece for presentation to the public at the end of the semester.

9099- Dance II*

Cross-listed with 8099

Grade 9, 10, 11, 12

0.5 credit

Prerequisites: Dance I and/or Teacher Approval

This course builds on skills learned from Dance I. Students continue to expand and develop their repertoire to include more advanced moves from ballet and jazz in the theatrical styles. The class culminates in the performance of a choreographed routine for the public at the end of the semester.

9377– Introduction to Sports Medicine

Cross-listed with 5377

0.5 credit

Grade 11, 12

This course is an introduction to the principles applied by athletic trainers in treating sports injuries. The course will include basic anatomy and physiology as pertains to sport injuries and further work in the treatment modalities used to get the injured athlete back to pre-injury condition. Students will receive information on how athletic injuries occur, how they are treated, and how they can be prevented. This course is for students with an interest in athletic training, physical therapy or sports medicine. Scheduling preference is given to Grade 12.

* Courses with an asterisk denote that students taking this course must have a signed Photo Permission Form on file with the school granting full permission for photos and recordings to be published. Full details are outlined on the Photo Permission Form. Please contact the Registrar for another copy if needed

COMMUNICATION AND MEDIA ARTS DEPARTMENT

The Department of Communications and Media Arts provides students with disciplined understanding of current media trends, technologies and skills as well as the impact of media on society and the individual person. The courses blend theory and hands-on training to prepare and form students into knowledgeable, responsible and effective communicators.

Mission Statement:

To empower our students to use all forms of media for the promotion of what is true, good and beautiful. The vision for the department is to affect change in our culture by forming students that can effectively communicate truth.

Elective Courses

Digital Media I and II
Media Internships
Screenwriting and Film Production
Independent Media Project
Graphic Design/Digital Art
Digital Photography I* and II*
Acting I*
Acting II-Playing Shakespeare*
Theatre Technology *
Multiplatform Journalism
Speech and Debate
Advanced Forensics
Web Communication and Social Media
History of Media
Documentaries and Technical Writing
Yearbook
Introduction to Radio Programming and Operations*

9600 - Digital Media I

Grade 10, 11, 12 0.5 credit
First semester only

The Digital Media class focuses on filmmaking technique, emphasizing all aspects of the production cycle: theory, development, pre-production, production, post production, and distribution. By working in a hands-on environment, young filmmakers develop their skills in effective storytelling. This class is designed as a Communications and Media Studies course, as well as the entry-level course into the John Paul the Great Media Program.

9601 – Digital Media II

Grade 10, 11, 12 0.5 credit
Second semester only

Prerequisite: Digital Media I or Screenwriting and Film Production

This course will continue building on the skills learned in Digital Media I. By continuing to focus on a hands-on experience, new skills will be incorporated and may include sound recordings and script writing. Students will be required to work in studio settings, on-location settings and have the ability to think critically in order to produce finished-for-broadcast short films. Students will be required to story-board and edit all projects independently.

9602 - Screenwriting and Film Production
Grade 10, 11, 12 0.5 credit

Prerequisite: Digital Media I

Building on the basics of film production as introduced in the Digital Media course, students will work in groups to create original videos. All students will be involved in the process of writing, filming, editing, and marketing a film with a purpose. Production of the films will be divided into four sections. In the pre-production phase, students will work on the art of storytelling and storyboarding. The production phase will include filming, acting, and lighting. Post-production will focus on editing, graphics, and animation. In the marketing phase, students will learn how to market their videos across a variety of target audiences. Writing is a craft. As with most crafts, skills improve with practice. This course presents the mechanical skills necessary to prepare scripts for television and film. During the first several weeks of class students focus on screenwriting basics. After that, each student writes and produces an original short film. Lessons deal with essential elements such as plot structure, character, and dialogue.

9608 - Independent Media Project
Grade 11, 12 0.5 credit

Prerequisite: Digital Media, Screenwriting and Film Production

This course consists of supervised planning and execution of an approved project in the area of digital media with a focus on the mission of the school.

9610 - Graphic Design/Digital Art
Grade 10, 11, 12 0.5 credit

Prerequisite: Digital Photography

Students study professional graphic design techniques and produce their own creative work. Principles of graphic design will be analyzed and critiqued, including layout, typefaces, image choice, formatting, and color schemes. Students apply their knowledge of design elements as they develop individual pieces. Some of these include logo creation, posters, event programs, and album or book covers. Students use industry-standard technology to create their work, gaining experience with the Adobe Design Suite, which includes Adobe Photoshop, InDesign, and Illustrator. Students also have the opportunity to explore wider areas of digital art, including vector illustrations and other representational digital techniques.

9613- Digital Photography I*
Cross listed with 8298
Grade 9, 10, 11, 12 0.5 credit

Scheduling preference is given to upperclassmen.

This course helps the student to progress from taking amateur snapshots to increasingly thoughtful images. This includes lessons in composition, color, and special camera features. Students also learn about elements such as aperture, shutter speed, depth of field, and ISO. Different points of the semester place emphasis on sports photography, macro photography, Adobe Photoshop®, taking creative shots, and learning to communicate abstract ideas and concepts through pictures. The history of photography and the technology behind digital photography are also discussed.

9615 – Digital Photography II*

Cross-listed with 8299

Grade 10, 11, 12 0.5 credit

Prerequisite: Digital Photography I

Note: Scheduling preference is given to upperclassmen.

This course will utilize the skills gained from Digital Photography I and will specifically emphasize the Rules of Composition, Studio Photography and Advanced Photoshop skills. The end result of this class will be to have a complete and printed body of work to be presented in the form of a portfolio.

9614 – Acting I*

Cross-listed with 8056

Grade 9, 10, 11, 12 0.5 credit

This course teaches the basic elements of the craft of acting. Performance elements require ensemble work and memorization. Students may be required to attend a rehearsal on Saturday or holiday. Students will also attend another local play to write a review of the performance elements of the show. This class is intended for those who have little or no prior theatrical training and experience.

9617 – Acting II-Playing Shakespeare*

Cross-listed with 8057

Grade 9, 10, 11, 12 0.5 credit

This course builds on the basic elements of the craft of acting. The focus is on honing the craft through merging naturalistic techniques such as the Meisner technique with Elizabethan drama. Students will produce a Shakespearean play. Students may be required to attend a rehearsal on Saturday or a holiday. They should expect to memorize on their own time.

9616 - Theatre Technology*

Cross-listed with 8050

Grade 10, 11, 12 0.5 credit

This semester course explores the ways the changing technology of theatre affects scenography—the coordinated design of scenery, lights, costumes, and other technical aspects of stagecraft. Students learn the vocabulary of equipment, the properties of modern scene materials, the advances in technological fields, and the professional standards in design and technology. This course also introduces the use of computer assisted design programs associated with theatrical lighting. In addition, a hands-on laboratory component is part of the course: Students will design and execute the technological aspects of the Acting classes' and Drama Club's productions.

9620 - Speech and Debate

Cross-listed with 3360 and 8370

Grade 9, 10, 11, 12 0.5 credit

In this performance-based course students learn effective speaking and listening skills for giving and appreciating various kinds of speeches, including oratory, extemporaneous, improvisational, among others. Students also learn the skills needed to debate for and against a position as in Lincoln/Douglas debate, and for and against a policy, as in policy debate. The course is designed to improve the students' knowledge of communication skills as well as develop their self-confidence in speaking and debating before an audience. By studying actual debates, students evaluate the influence of media in shaping popular opinion.

9622 – Web Communication and Social Media

Grade 11, 12 0.5 credit

Prerequisite: Digital Media

This course emphasizes the distribution and communication of web content. Students develop skills through hands-on experience providing communication support for the school and for the Media Program. These projects include the development of web and social networking sites and an introduction to other Web 2.0 technologies such as Adobe Flash and RSS feeds.

9632 – Yearbook

Grade 10, 11, 12 1.0 credit

May be repeated for a maximum of 3 credits

Building upon the skills gained in other Digital Media and English courses, the Project Management in Digital Media course takes these skills to the next level. Students are challenged to plan, design, develop, review and quality check a media project from scratch with aggressive deliverables and deadlines. The main deliverable for this course will be the annual John Paul the Great Yearbook. Students in this course will learn project management skills such as scheduling, budgeting, task and activity status management, and quality control. They will interact with third party vendors who assist in putting together this extensive project. Activities will include advanced photography and editing, journalism techniques including copy writing, interview preparation (pre-/post-) and delivery, and creative layout design and creation. All of these efforts are focused on capturing and telling the story of the John Paul experience for the year.

9634 – Multiplatform Journalism

Grade 9, 10, 11, 12 0.5 credit

Completion of Eighth Grade English with a grade of A or B, scores above the 80th percentile on HSPT or A or B in English I, II or English Language and Composition Adv., H, or AP and Department Placement.

Students will be introduced to topics related to journalism. Topics covered will include the new media profession, Web credibility, online reporting sources, cyber law, blogging and podcasting, and basic multimedia design. Students will both critique and create online materials.

9630 - Advanced Forensics

Cross-listed with 3361 and 8377

Grade 10, 11, 12 0.5 credit

This interscholastic competition-based course studies intensive exploration of three families of forensic events: interpretation of literature, limited-preparation speaking, and oratory. For interpretation of literature, students study prose, poetry, and plays in order to perform these works orally. As part of the study of limited-preparation events, students study speech organization and delivery methods, with particular attention to preparing for debating issues of public policy facing the United States and the international community. For oratory, students prepare reinterpretations of historical speeches and also write and deliver their own persuasive/informative speeches. Students should plan to commit to interscholastic competition, judging, and hosting of tournaments over the course of the year.

9606 - Media Internships

Grade 11, 12

0.5 credit

Prerequisite: Digital Media, Screenwriting and Film Production

Enrollment in this class is by application only. An instructional course designed to integrate academic study with practical hands-on experience. In conjunction with teacher supervision, the individual student sets specific goals and objectives in the production of media projects.

0110– Academic Support Program
Grade: Guidance Department Placement
0 credit

The mission of the Academic Support Program is to ensure that all students with diverse learning needs achieve success in the challenging academic life of the school. In the Academic Support classroom, students receive assistance in the areas of organization, time management, course support, as well as standardized test taking preparation. Staff members collaborate with teachers from each department to ensure that all students in the program are aware of their day to day expectations; including tests, quizzes, assignments, and projects. Saint John Paul the Great Catholic High School supports the full inclusion of all students, and that with proper supports and accommodations, each student can achieve a high level of academic, social, and spiritual success as they prepare to enter college. The Academic Support Program is an integral component in ensuring that students grow in the image of Jesus Christ while developing intellectual, theological, and moral virtues.

9999 – Work Study Contribute Internship (WSC) Program
Grades 10, 11, 12
0 credit

The Work Study Program (WS) exists to give students the opportunity to contribute to the school by working in a department or with a teacher. The WS program is open to all students who are in grades 10 and 11. Limited positions are open for grade 12. In addition, those awarded financial aid are automatically included in this program, enabling sophomore and junior students to help their families and their school while gaining valuable life experiences. Students will be assigned one semester in either their sophomore or junior year. Work study is a non-credit earning program and assignments are limited to a semester-only opportunity. All students requesting work study will be required to complete an application and submit it for approval through their counselor. Students will be limited to two work study opportunities during their enrollment at Saint John Paul. Students participate in the WS program during the academic year. Our graduation requirements are structured so that students who participate in WS will be able to obtain the needed credits for graduation on schedule. Work study is not intended for students to use the time as an academic break in their schedule or as a study hall. The WS Coordinator will work with the students to plan their assignments once the school year/semester begins.