

Lansdale Catholic High School

700 Lansdale Avenue

Lansdale, PA 19446



Course Catalog 2017 – 2018

Administration

Mr. Jim Casey President
Mrs. Rita McGovern.....Principal

Assistant Principals

Mr. Jon SlabekAcademic Affairs
Mrs. Jennifer Huber '97.....Student Affairs
Mr. Tony Gamza.....Student Services

Department Chairpersons/ Academic Board

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English.....Mrs. Eileen Hildenbrand '63
Fine Arts..... Mr. Jim Timer
World Language.....Mrs. Laura Foulke
Mathematics..... Mrs. Lucille Pritchard '66
Physical Education and Health.....Mr. Phil Dlugolecki '06
Science.....Ms. Sharon Williams
Social Studies.....Mrs. Amy MacKay '91
Theology.....Mr. Dan McCarthy
Director of Guidance.....Mrs. Mary Lou Graham
Director of Campus Ministry.....Fr. John Nordeman
Director of STEM.....Mrs. Mary Antoni

LANSDALE CATHOLIC HIGH SCHOOL

Dear Students,

This course catalog is prepared just for you. After reading the following pages, you will have a better understanding of the goals, requirements, and content of the many academic courses offered at Lansdale Catholic High School.

Course selection is a responsibility that requires time, patience, knowledge, and consideration. Involve your parents/guardians, and guidance counselor in your decision making process. Once your course selection has been made, it will be difficult to change

For some courses, certain requirements/prerequisites have been stated. These were agreed upon by the department involved and must be met before you apply for the course. Approval from the Department Chairperson is required for any exception to these prerequisites.

The re-registration fee insures your seat at Lansdale Catholic High School for the upcoming year. After you have had time to review the course offerings and seek the necessary counseling, you will be asked to complete your course selection through Grade Connect. Choose your courses for the next year, print the selection sheet, and sign the paper. Please have your parent/guardian sign it as well. This paper must be returned to the Academic Affairs Office. You are expected to complete each course during the upcoming year.

Read this catalog carefully and make the best of your education and your future at Lansdale Catholic High School. Best Wishes!

Mrs. Rita McGovern
Principal

Mr. Jon Slabek
Assistant Principal for Academic Affairs

COURSE SELECTION PROCESS

Ninth, tenth and eleventh grade students begin the process of selecting their courses for the following year in the second semester. Placement is determined independently by each academic department.

At Lansdale Catholic High School, the Academic Affairs Office rosters students, issues the formal Course Selection Form, and sets the due date for re-registration. The fee for registration is **\$150.00**.

The Course Selection Form indicates departmental approval of the **required courses**. The school may recommend that the student not take a particular course or level, but if the parents insist, they must state in writing that they wish the student to take the course. This parental statement is kept in the student's file, and the student is enrolled in the course, as long as space permits and the prerequisites are met. A student who has experienced considerable difficulty in certain subjects will be advised to choose subjects which are designed to reduce scholastic pressures and at the same time present adequate challenge at his or her present level of learning.

Based on student choices, the Master Schedule is developed, class size determined, and teacher assignments made. When the Master Schedule is in its final form, any students who have requested courses that conflict with other requested courses will be contacted to make an alternate selection.

Students who have decided that they will not return to Lansdale Catholic for the following year are asked to submit a Notification of Withdrawal Form, available in the Academic Affairs Office.

CORE CURRICULUM OFFERINGS

Lansdale Catholic offers a four-year curriculum in Theology, English, Mathematics, Science, Social Studies, World Languages, Fine Arts, and Business Technology. If a student completes the curriculum offered in less than four years, Lansdale Catholic High School does not provide additional courses or subsidize courses taken at local colleges.

CURRICULUM LEVELS

Most of the courses of the core-curriculum are offered at two ability levels, so that teaching and learning takes place in more homogeneous academic groupings. The grade reflects the student's progress at that ability level while a quality point system weights the grade according to the ability level in order to determine the class rank. Students are placed in an ability level when they enter as freshmen. This placement is determined by analyzing both the results of the standardized tests taken by the student in elementary school, as well as the student's effort and scholastic achievement in grades seven and eight. Upperclassmen are recommended to levels prior the course selection process by the

corresponding academic department. The following can be used as a guide to understanding the curriculum levels:

Advanced Placement – Courses that follow the syllabi of the Advanced Placement Program.

Honors – Honors courses for the exceptional student, stressing independent study, written and oral reports, outside reading and discussion oriented classes.

College Prep – Courses for the above average student, stressing a fairly rapid pace and limited direction.

Placement Criteria - Students are placed in courses and academic levels based on a unique formula developed independently by each academic department. Track changes ordinarily do not occur during the academic year.

HONORS

First Honors requires a general average of 93 or above, with no mark below 90. Second Honors requires a general average of 88 or above, with no mark below 85.

RANK IN CLASS

Rank in Class is determined by using the student’s grades which are weighted according to the level of the course. Cumulative rank is computed for all four high school years. The cumulative rank is printed on the final report card. For the purpose of graduation, senior rank for graduation uses the rank as determined at the end of the 1st semester.

PROGRAM OF STUDIES

The curriculum at Lansdale Catholic High School has a heavy academic emphasis with provision in the eleventh and twelfth grades to continue in the college preparatory course or to prepare for the business world. In cooperation with North MontCo Area Vocational-Technical School, Lansdale Catholic High School can also provide students with vocational or technical training. There is a solid core-curriculum with a number of electives. The program offered is an attempt to meet the needs of the students served by the high school. The school’s heavy academic emphasis is explained by the fact that in the last five years, an average of 98% of each senior class went on to further education.

ACTIVITY OF THE CLASS OF	2011	2012	2013	2014	2015	2016
Four Year Colleges.....	88%	81%	80%	84%	84%	90%
Community College/Junior Colleges	10%	19%	18%	14%	13%	9%
Other Post-Secondary Schools.....	1%	0%	1%	<1%	1%	<1%
Students Entering the Job Market.....	1%	0%	0%	<1%	<1%	<1%
Students Entering the Military.....	0%	0%	1%	2%	2%	<1%

Quality Points Table

<u>Grade</u>	<u>AP</u>	<u>H (Tk1)</u>	<u>CP (Tk 2)</u>
100	54	48	44
99	53	47	43
98	52	46	42
97	51	45	41
96	50	44	40
95	49	43	39
94	48	42	38
93	47	41	37
92	46	40	36
91	45	39	35
90	44	38	34
89	43	37	33
88	42	36	32
87	41	35	31
86	40	34	30
85	39	33	29
84	38	32	28
83	37	31	27
82	36	30	26
81	35	29	25
80	34	28	24
79	33	27	23
78	32	26	22
77	31	25	21
76	30	24	20
75	29	23	19
74	28	22	18
73	27	21	17
72	26	20	16
71	25	19	15
70	24	18	14
69	23	17	13
68	22	16	12
67	21	15	11
66	20	14	10
65	19	13	9
64	18	12	8
63	17	11	7
62	16	10	6
61	15	9	5
60	14	8	4

NCAA ELIGIBILITY

If one wishes to play a sport at a NCAA Division I or II college or university, the student must register with the NCAA eligibility center at www.eligibilitycenter.org during one's Sophomore year. More information on academic eligibility standards and requirements for Division I, II or III colleges or universities can be found on the website www.NCAA.org. Students are encouraged to discuss this information with the school Guidance Director and Athletic Director.

COURSE CHANGES

Selection of courses should be made only after serious, careful, and thoughtful consideration. Therefore, once you choose your courses and they are approved, you will be expected to follow your selections.

The following are not valid reasons for requesting a change in your roster:

- dissatisfaction with a course or teacher
- correctable academic difficulties in a course
- displeasure with your schedule
- conflict with employment

Your first priority should be your education, and work schedules should be arranged to accommodate your school schedule. If there is a serious reason or circumstance that requires a schedule conducive to after school work, please contact the Assistant Principal for Academic Affairs to discuss the issue.

The only valid reasons for requesting a roster change would be assignment to a course you did not request or for which you were not qualified. However, we will try to accommodate a roster change request if it is beneficial to the school's scheduling process.

There is a \$75.00 service fee for any roster change. These changes will be made only for serious reasons and must be approved by the Assistant Principal of Academic Affairs. There is not a guarantee that all requests can be made.

CANCELLATION OF CLASSES

The school reserves the right to cancel or postpone any course in which there is an inadequate enrollment, lack of physical facilities, or staffing impossibility. Students requesting such courses will be notified and asked to make an alternate selection. After the Master Schedule is in its final form, any student who requested courses scheduled in conflict situations will be notified of that fact and asked to make an alternate selection.

TRANSFER STUDENTS – Credits & Quality Points

Students who transfer into Lansdale Catholic High School will be given credit for all courses they completed at their previous school. They will receive honors credits and quality points for honors if their transcript indicates an Honors course. However, they will **not** receive honors credits and quality points for any course that is not an Honors course at Lansdale Catholic High School.

REQUIREMENTS FOR GRADUATION

In conformity with the curriculum regulations of the Department of Education of the Commonwealth of Pennsylvania and the Archdiocese of Philadelphia, the following requirements must be met to earn a Lansdale Catholic diploma:

- 24.5 credits are required for graduation.
- The following courses are the minimum requirements for graduation from Lansdale Catholic High School:

Units of Credit	Course
4	Theology
4	English
3	Mathematics
3	Science
4	Social Studies (students may instead opt for a 3 rd year of a WL or 4 th year of Math or Science)
5	Electives
.50	Related Arts
.50	Informational Technology
.50	Health
.50	Physical Education
.50	Service Learning

Service Learning:

Students accept the challenge and responsibility to follow the example of Jesus Christ by serving the needs of others and complete at least 30 hours of service with a focus area by January of their junior year.

Students will receive a pass/fail grade on their 1st semester report card and a half credit on their permanent transcript. A contract, reflection paper and documentation of hours are required.

World Language:

Students planning to attend a four-year college should have at least two consecutive years of one modern world language. Some colleges recommend three years of the same language.

Technology and Related Arts:

All students must take a Technology or an Art class in order to fulfill graduation requirements. Students are required to take a ½ credit of Informational Technology and a ½ credit of Related Arts in their freshman year at Lansdale Catholic in order to meet graduation requirements. Students may meet these graduation requirements by taking a full year credit of an Art or Technology class in place of the freshman class as well in other years. The freshman related arts/tech class satisfies the requirement and no additional courses in this area would be needed.

ADVANCED PLACEMENT (AP)

The AP Program provides interested students the opportunity for college level learning. Students who elect to take Advanced Placement courses are required to take the Advanced Placement Exam(s) at Lansdale Catholic High School in May. The cost of this exam is determined by the College Board. In past years, the fee is approximately \$100 per test. Because of the stringent academic demands and extensive course content, Lansdale Catholic High School recommends that students carry no more than three (3) traditional AP courses in an academic year – with the exception of World Language, Fine Arts AP courses, or a dual enrollment course (traditional or online), each of which can be taken as a fourth or fifth AP class. However, a parent may request in writing that an exception be made for one's son or daughter. If the request is approved, Lansdale Catholic High School is not responsible for providing academic support and the student must sit for the AP exam for each registered AP course.

All AP courses are taught by Lansdale Catholic High School faculty who are approved by the College Board. Admission into all AP courses is earned through outstanding academic ability and performance; hence, AP courses are not available to each and every student. Once a student is accepted and selects to enroll in an AP course, that student may not elect to drop the course as this prohibits another student from taking the course who may have otherwise qualified but was not offered an opportunity to take the AP course.

Students who earn qualifying grades in AP exams may also receive the following benefits:

- *College credits for equivalent courses.
- *Exemption by your college or university from introductory courses.
- *Eligibility for college honors programs open to students who have received AP recognition.

DIOCESAN SCHOLARS PROGRAM

The Office of Catholic Education, in cooperation with the eleven Catholic colleges/universities in the area, offers the opportunity for selected students to take two courses each semester of senior year on the campus of a nearby participating institute. At the end of each semester, an official transcript of credits and grades will be available to the student. The participating scholars will be guests of the college/university; no tuition will be assessed. Courses offered are designated by the participating college/university.

DUAL ENROLLMENT PROGRAM

Lansdale Catholic High School provides students the opportunity to enroll in a unique program to gain college credit while attending high school. The Dual Enrollment Program is offered in conjunction with a local college or university. An outside instructor from the college or university comes to Lansdale Catholic High School and offers direct instruction to our students on certain days each week. This program offers a variety of courses at a reduced cost per credit rate paid by the student. Students are expected to enroll in one course per semester for a total of two courses per school year.

Prerequisites: In order to enroll in a Dual Enrollment course, students must hold an 85 cumulative average or higher and must receive administrative approval. Students may take up to 5 AP Courses or College Level Courses per semester.

Delaware Valley University

These dual credit courses, taught by a professor from Delaware Valley University on the Lansdale Catholic campus, will earn students both AP-level credit for one's Lansdale Catholic transcript and three credits at Delaware Valley University. The classes are scheduled to meet twice a week. The class will follow the rules, regulations and expectations of both Lansdale Catholic and Delaware Valley University. Course descriptions are located at www.delval.edu.

PLEASE NOTE: As these courses are offered by a partner school, there is an additional cost of \$300 paid to Delaware Valley University per course.

916 INTRODUCTION TO PSYCHOLOGY (Fall)

Grades: 11 – 12

Credit: 1

Level: AP

917 GENETICS (Fall)

Grades: 11 – 12

Credit: 1

Level: AP

918 ACCOUNTING I (Spring)

Grades: 11 – 12

Credit: 1

Level: AP

919 PERSONALITY THEORIES (Spring)

Grades: 11 – 12

Credit: 1

Level: AP

Arcadia University

These dual credit courses, taught by a professor from Arcadia University on the Lansdale Catholic campus, will earn students both AP-level credit for one's Lansdale Catholic transcript and three credits at Arcadia University. The classes are scheduled to meet twice a week. The class will follow the rules, regulations and expectations of both Lansdale Catholic and Arcadia University. Course descriptions are located at www.arcadia.edu.

PLEASE NOTE: As these courses are offered by a partner school, there is an additional cost of \$375 paid to Arcadia University per course.

- 920 INTRODUCTION TO INTERNATIONAL STUDIES (Fall/Spring)**
Grades: 11 – 12
Credit: 1
Level: AP

- 921 INTRODUCTION TO MEDIA STUDIES (Fall)**
Grades: 11 – 12
Credit: 1
Level: AP

- 922 INTRODUCTION TO PUBLIC HEALTH (Fall and Spring)**
Grades: 11 – 12
Credit: 1
Level: AP

- 923 CRIME AND PUNISHMENT (Spring)**
Grades: 11 – 12
Credit: 1
Level: AP

- 924 SPEECH COMMUNICATIONS (Spring)**
Grades: 11 – 12
Credit: 1
Level: AP

Cabrini University

These dual credit courses, taught by a professor from Cabrini University on the Lansdale Catholic campus, will earn students both AP-level credit for one's Lansdale Catholic transcript and three credits at Cabrini University. The classes are scheduled to meet twice a week. The class will follow the rules, regulations and expectations of both Lansdale Catholic and Cabrini University. Course descriptions are located at www.cabrini.edu.

PLEASE NOTE: As these courses are offered by a partner school, there is an additional cost of \$300 paid to Cabrini University per course.

925 INTRODUCTION TO SOCIOLOGY (Fall)
Grades: 11 – 12
Credit: 1
Level: AP

926 INTRODUCTION TO PHILOSOPHY (Spring)
Grades: 11 – 12
Credit: 1
Level: AP

PHYSICAL EDUCATION DEPARTMENT

001 PHYSICAL EDUCATION

Grades: 9-12

Credit: 0.5

Level: College Prep

The physical education program is designed to offer the student the opportunity to learn and participate in various team sports and recreational lifetime activities. The goal of this course is to allow each individual the opportunity to improve physical fitness and to acquire skills necessary to develop their own plans for maintaining lifelong physical fitness. The activities presented in this course include soccer, football, volleyball, basketball, lacrosse, weightlifting, aerobics, yoga, and various activities designed to promote a lifetime of engagement in physical activity. A uniform is required for class. The uniform consists of a T-shirt, shorts, or sweatpants.

002 HEALTH EDUCATION

Grades: 9-12

Credit: 0.5

Level: College Prep

The health education program is designed to give the student an in-depth understanding of the areas that make up our total health (physical, mental, emotional, social, vocational and spiritual) to promote positive health decisions over the course of their lifetime. The subject areas covered in the course are:

1. Definition of each domain of total health
2. The importance of physical activity
3. Alcohol, tobacco and other drugs
4. Body image, eating disorders, and nutrition awareness
5. Stress management, depression, and coping with loss
6. Goal setting
7. Self-esteem and traits of positive character
8. Media Literacy

003 EXTENDED DAY PE & HEALTH

Grade: 9 – 12

Credit: 1

Non-tracked

This is a variation of the standard Health and Physical Education courses offered during the regular school day for students who are already taking a full roster of seven courses. There are, however, three major variations: the Physical Education portion takes place every morning from 7:00am – 7:45am for one semester, the Health component is taken entirely online, and the course is graded as Pass/Fail. **PLEASE NOTE: As this course is taken in addition to a full, seven-course roster, there is an additional fee of \$150.**

THEOLOGY DEPARTMENT

011/012 THEOLOGY 1

Grades: 9

Credit: 1

Levels: Honors and College Prep

Semester 1: THE REVELATION OF JESUS CHRIST IN SCRIPTURE

This course gives students a general knowledge and appreciation of the Sacred Scriptures. Through study of the Bible they will come to encounter the living Word of God, Jesus Christ. Students will learn about the Bible, its development and content, and how God is its author. Particular attention will be focused on the Gospels, where students may grow to know and love Jesus Christ more personally.

Semester 2: WHO IS JESUS CHRIST?

This course introduces students to the mystery of Jesus Christ, the living Word of God. Students will understand that Jesus, the Second Person of the Blessed Trinity, is the ultimate Revelation about God, from God. In learning about Jesus, students will also learn who He calls them to be.

021/022 THEOLOGY 2

Grade: 10

Credit: 1

Levels: Honors and College Prep

Semester 1: MISSION OF JESUS CHRIST (THE PASCHAL MYSTERY)

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

Semester 2: JESUS CHRIST'S MISSION CONTINUES IN THE CHURCH

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

031/032 THEOLOGY 3

Grade: 11

Credit: 1

Levels: Honors and College Prep

Semester 1: SACRAMENTS AS PRIVILEGED ENCOUNTERS WITH JESUS CHRIST

The purpose of this course is to help students understand that they can encounter Christ today in a full and real way and through the sacraments and especially through the Eucharist. Students will examine each of the sacraments in detail so as to learn how they may encounter Christ through life.

Semester 2: LIFE IN JESUS CHRIST

The purpose of this course is to help students understand that it is only through Christ that they can fully live out God's plans for their lives. Students are to learn the moral concepts and precepts that govern the lives of Christ's disciples.

041 THEOLOGY 4

Grade: 12

Credit: 1

Level: Honors

Semester 1: LIVING AS A DISCIPLE OF JESUS CHRIST IN SOCIETY

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

Semester 2: CHRISTIAN COMMITMENT

This course is intended to develop the idea that Christian vocation is the call to live in Christ Jesus. It stresses that marriage, priesthood, religious life, and single life all contribute to the building up of the Kingdom of God. It explores Christian marriage and family in both their theological and practical dimensions. Its purpose is to assist the student in preparing to respond to his/her Christian vocation in life.

ENGLISH DEPARTMENT

111/112 ENGLISH LANGUAGE ARTS 1

Grade: 9

Credit: 1

Levels: Honors and College Prep

English Language Arts 1 is a required course for all ninth grade students. Based on the Common Core State Standards, this course provides students with the skills and knowledge to become critical readers and writers by analyzing key ideas and details, craft and structure and the integration of knowledge and ideas in literature and informational text. Students will develop their writing skills by examining text types and purposes and by writing arguments, explanatory/informational texts and narratives. Using the full writing process, students will learn how to produce and distribute quality writing using technology's capacity to produce, publish, and share writing products. Students will conduct short research projects and will participate in a range of collaborative discussions integrating multiple sources of information. This course will advance students' knowledge of the conventions of Standard English and will strengthen vocabulary acquisition and use. This course is supported through various literary genre studies.

121/122 ENGLISH LANGUAGE ARTS 2

Grade: 10

Credit: 1

Levels: Honors and College Prep

English Language Arts 2 is a required course for all tenth grade students. Based on the Common Core State Standards, with a concentration in British Literature, this course provides students with the skills and knowledge to become critical readers and writers by analyzing multiple themes, interpretations and details, craft and structure and the integration of knowledge and ideas in literature and informational text. Reinforcing and expanding the writing objectives of the freshman year, this course will develop the student's writing skills by examining text types and purposes and by writing arguments to support claims in an analysis of substantive topics or texts. Students will write explanatory/informational texts to examine and convey complex ideas and will write narratives to develop real or imagined experiences or events. Students will learn how to produce and distribute quality writing using technology's capacity to produce, publish, and share writing products. Students will conduct sustained research projects and will participate in a range of collaborative discussions and presentations integrating multiple sources of information. This course will further advance students' knowledge of the conventions of Standard English and will strengthen vocabulary acquisition and use. This course is supported through various selections in World and British studies.

131/132 ENGLISH LANGUAGE ARTS 3

Grade: 11

Credit: 1

Levels: Honors and College Prep

English Language Arts 3 is a required course for all eleventh grade students. Based on the Common Core State Standards this course encompasses short stories, novels, drama, and poetry with the emphasis on American literature. (From Colonial times to 1914) Projects are given each quarter to stimulate student creativity and to improve writing skills. Instruction in preparing a works cited page provides an introduction to the research paper. Vocabulary study, grammar review, and oral reports further extend and reinforce communication skills developed in the tenth grade.

135 AP LANGUAGE AND COMPOSITION

Grade: 11

Credit: 1

Level: AP

The Advanced Placement Language and Composition provides an intensive writing experience for college-bound students. Students will write in a variety of forms – narrative, exploratory, expository, and argumentative and on a variety of subjects from personal experiences to public policies, from Imaginative British literature to popular culture. The main purpose of this course is to enable students to write effectively and confidently in their high school and college courses. Imitation exercises, journal writing, collaborative writing, and in-class responses help students become increasingly aware of themselves as writers and of the techniques employed by the writers they read. Students will read a wide variety of prose styles from many disciplines in different historical periods to gain an understanding of the connections between interpretive reading and writing. Summer assignments are required.

Note: Students enrolled in this course **must** sit for the College Board AP exam in May.

141/142 ENGLISH LANGUAGE ARTS 4

Grade: 12

Credit: 1

Levels: Honors and College Prep

English Language Arts 4 is a required course for all twelfth grade students. Based on the Common Core State Standards this course emphasizes the maturation of values and on the extension of communication skills. Through the study of American Literature, (From 1914 to present) classic and modern, the student is led to explore social, moral, and spiritual values of the past and present. Short critical papers are a requirement of this course.

145 AP ENGLISH LITERATURE

Grade: 12

Credit: 1

Level: AP

The Advanced Placement senior course features British, World, and American writers from the Victorian Period to the present. In-depth studies of poetry, essays, novels, and plays, as well as writing exercises and thoughtful discussions, prepare students for the college experience.

Note: Students enrolled in this course **must** sit for the College Board AP exam in May.

146 TECHNICAL WRITING/PUBLIC SPEAKING

Grade: 12

Credit: 1

Level: Honors

PREREQUISITE: 85 or above in ELA 3 and Department Approval

This is a full year course divided into two subject areas. Technical writing will teach students the established basics for effective written composition in the business world and introduce them to such types of communication as processes, description of mechanisms, proposals, and reports. Public speaking covers the theory and practice of public speaking. Building on ancient rhetorical canons while recognizing unique challenges of contemporary public speaking, the course guides students through topic selection, organization, language, and delivery. Working independently and with peer groups, students will be actively involved in every step of the process of public speaking preparation and execution.

Assignments include formal speeches (to inform, to persuade, and to pay tribute), brief extemporaneous speeches, speech analyses, and evaluations.

148 THEATRE ARTS

Grade: 11-12

Credit: 1

Level: Honors

In Theatre, the basics of acting are taught through extensive improvisation and scene work. Students learn the basics of character development in both comedy and tragedy. They receive an introduction to reading Shakespeare and then read aloud in class (with appropriate actions) a Shakespearean play. The course then includes lessons in acting Shakespeare, which are reinforced through scene work and monologues. Students are also taught skills of textual analysis through the reading and interpretation of various scripts. An introduction to stagecraft, directing, and play production culminates in a student-acted production of a one-act play. Assessment is based on written tests and quizzes, in-class participation in improvisational work, and major projects in scene work. Students are also given a background in the early theatre, including the Ancient Greek and Roman theatre and the theatre of medieval Europe.

SUMMER READING

NOTE: Students at all levels are required to fulfill the summer reading requirements. Members of the English department in conjunction with school administration choose books for the approved summer reading list. Each spring, students are given specific instructions in preparing specific readings for a fall evaluation. Assessments are administered at each level during the first quarter, and the results will be included in the students' first quarter grades.

HISTORY DEPARTMENT

211/212 WORLD HISTORY 1

Grade: 9

Credit: 1

Levels: Honors and College Prep

A history of major world civilizations designed to explore the development of the modern global community and the spread of ideologies and cultures. The curriculum employs transnational themes to provide connections which transcend time, space, and disciplines and which promote the use of critical historical, global and economic literacy skills to explore global patterns of change over time. Acquiring these skills will enable students to analyze and interpret historical events in depth and to apply their understanding to a variety of historical contexts.

281/282 AMERICAN GOVERNMENT AND POLITICS

Grade: 10

Credit: 1

Levels: Honors and College Prep

This course is a comprehensive examination of the supreme and fundamental characteristics of the American Governmental system. Its study involves the origins, development, principles, organization, powers, functions and actual workings and processes of American Government. This course utilizes critical civic, economic and historical literacy skills to emphasize political theory, philosophy, and the nature of government and how it has impacted the country over time. This course is designed to give a thorough knowledge and deep understanding of the Government of the United States which is essential to all American citizens.

255 AP U.S. GOVERNMENT & POLITICS

Grade: 10

Credit: 1

Level: AP

The purpose of this course is to give students an analytical perspective on the government and politics in the United States. This course includes both the study of general concepts used to interpret the US Government and its political systems and the analysis of specific examples. This course also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute the US Government and its political system.

Note: Students enrolled in this course **must** sit for the College Board AP exam in May.

231/232 MODERN AMERICAN HISTORY

Grade: 11

Credit: 1

Levels: Honors and College Prep

Required for all juniors, except selected Advanced Placement students, Modern American History is a survey of major themes in American History during the 20th Century. It builds on students' prior backgrounds in American History to examine in detail and understand the social, cultural, economic and diplomatic events of the "American Century."

235 AP UNITED STATES HISTORY

Grade: 11

Credit: 1

Level: AP

Offering an Advanced Placement American History with admission requirements affords selected students an opportunity to explore a wide-ranging set of diverse readings from supplementary texts. Topics covered in AP American History include: The Nature of History and Colonial America; The Revolution and the Constitution; Jacksonian Democracy; The Civil War and Reconstruction; The Depression and the New Deal; World War II; and foreign and domestic concerns since World War II. A limited number of students will be accepted into this course. There will be an additional book required that will cost the student **\$25.00**.

Note: Students enrolled in this course **must** sit for the College Board AP exam in May.

242 COMPARATIVE GOVERNMENT AND ECONOMICS

Grade: 12

Credit: 1

Level: College Prep

This course builds upon knowledge from the students' World History, American Government & Politics, and American History courses. The aim of the course is to raise students' understanding of the global community and enable them to see how political structures influence international relations and economic and global policies.

250/251 CONTEMPORARY AMERICA AND THE WORLD

Grade: 12

Credit: 1

Levels: Honors and College Prep

This course will develop an appreciation for and understanding of events currently taking place in the United States and the World. Building on knowledge of American government, the course will examine contemporary issues on the national and international arenas, utilizing periodicals, research, and sources available on the internet. Students will begin to appreciate the interdependence of the United States and the rest of the world, and to become informed, mature citizens. There will be an additional journal subscription required that will cost the student approx. **\$25.00**.

275 AP COMPARATIVE GOVERNMENT AND POLITICS

Grade: 12

Credit: 1

Track: AP

The AP course in Comparative Government and Politics introduces students to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. The course aims to illustrate the rich diversity of political life, to show available institutional alternatives, to explain differences in processes and policy outcomes, and to communicate to students the importance of global political and economic changes.

Six countries form the core of the AP Comparative Government and Politics course. China, Great Britain, Mexico, Nigeria, and Russia are all regularly covered in this course. The inclusion of Iran adds a political system from a very important region of the world and one that is subject to distinctive political and cultural dynamics.

Note: Students enrolled in this course **must** sit for the College Board AP exam in May.

WORLD LANGUAGE DEPARTMENT

Students learn a world language through grammatical constructions by reading, writing, listening and speaking. They also gain a better understanding of the people, their philosophy, their culture and their contributions to the world. Most colleges require at least two years of the same World Language. Please check with individual colleges or universities in order to determine their World Language requirements for admission.

301 FRENCH I

Grade: 9-12

Credit: 1

Level: Honors

This program stresses the communication skills while giving the students the grammar they need and appropriate vocabulary and pronunciation exercises. Role-playing models and simulated situations are imitated and expanded by the students. The students are introduced to French culture and civilization through readings and songs about the French speaking countries of the world. Students use the computer to do a variety of listening exercises.

Students will be required to purchase the workbook.

303 ADVANCED FRENCH

Grade: 11-12

Credit: 1

Level: Honors

Prerequisite: French I, French III and Department chair approval

Combining the former French 2 and 4 courses, this course is designed to develop communicative proficiency in reading, writing, speaking and listening with an emphasis on the two latter skills. Students will continue their study of the Francophone world with a variety of regalia, cultural sections and cultural strands in each chapter. The students will continue their study of grammar with an emphasis on speaking and listening comprehension, using visuals, video, computer and audio materials to increase vocabulary, listening and speaking skills. Students will be introduced to French literature throughout the year. The works chosen represent different historical and literary periods in France and are studied along with the history of the period. Students will be required to purchase a workbook.

341 ITALIAN I

Grade: 9-12

Credit: 1

Level: Honors

Italian I is an introductory course designed to expose the students to the fundamentals of the Italian language and to the history, art, literature, music, and the contemporary life of the Italian people. The course will give particular attention to developing skills in listening, speaking, writing, and reading. All the skills will be helped by listening to CD's, watching videos, active speaking in class, grammar exercises, reading about current events in Italy and using the computer laboratory for research. Students may be required to purchase the workbook.

342 ITALIAN II

Grade: 10-12

Credit: 1

Level: Honors

Prerequisite: Average of 85 or above in Italian I

The second year of Italian builds on the foundation of the first year by broadening the vocabulary and tightening the grammar skills of students, enabling them to communicate effectively and efficiently in Italian. The course is designed to encourage them to listen to and read more sophisticated Italian passages and dialogues for comprehension and to formulate appropriate responses. Italian culture will be an integral part of the class through the use of Italian film, short excerpts of Italian television, Italian songs and the reading of short stories by renowned Italian writers. Students may be required to purchase the workbook.

330/331 SPANISH I

Grade: 9-11

Credit: 1

Levels: Honors and College Prep

The student begins to develop a truly comprehensive world language experience, with strong emphasis on the four essential skill areas of listening comprehension, speaking, reading and writing, using materials which include videos, presentations and visual media. A realistic view of all aspects of Hispanic cultures is presented through various exercises that provide drill and personalized manipulation of the language. Students are required to purchase the workbook.

332/336 SPANISH II

Grade: 9-12

Credit: 1

Levels: Honors and College Prep

Prerequisite: Spanish I

Designed as a continuation of Spanish I, this course moves on to more complex grammatical structures with emphasis on meaningful communication and self-expression. Each Spanish-speaking country and its culture are studied. Students continue to use the Spanish 1 workbook. New students are required to purchase the Avancemos 1 workbook.

333 SPANISH III

Grade: 10-12

Credit: 1

Level: Honors

Prerequisite: Average of 85 or above in Spanish II and approval of the Spanish II teacher.

Students will be immersed into Hispanic culture through constant classroom practice of their reading, writing, speaking and listening skills. Hispanic History, Geography, and Literature will be covered along with a daily conversational vocabulary. There may be excursions and special projects as a continuation of the cultural experience presented in the classroom. Students are required to purchase the workbook. Summer assignments are required.

334 SPANISH IV

Grade: 11-12

Credit: 1

Level: Honors

Prerequisite: Average of 85 or above in Spanish III and approval of the Spanish III teacher.

Students will focus on listening, speaking, reading, and writing skills. Classroom content will include the History, Geography, Art, Literature and current events of Spanish-speaking countries. There may be excursions and projects to add to the overall cultural experience. Students may be required to purchase a workbook. Summer assignments are required.

335 AP SPANISH LANGUAGE AND CULTURE

Grade: 12

Credit: 1

Track: AP

Prerequisite: Spanish III and approval of the World Language Department Chair.

Students will work both independently and collaboratively on listening, speaking, reading, and writing. Listening, speaking, reading, and writing skills will be stressed along with a continuing study of Spanish grammar and literature using a variety of resources. Students are required to buy supplemental resources.

Note: Students enrolled in this course **must** sit for the College Board AP exam in May.

MATHEMATICS DEPARTMENT

Three years of Mathematics is required for graduation from Lansdale Catholic High School. The fourth year is highly recommended for all students for the following reasons:

1. Many colleges and universities require that students have at least ½ credit in Trigonometry. This is especially important for students who wish to pursue a career in Math, Science, Information Technology, Engineering, and Business.
2. If students wish to take Calculus in 12th grade, but did not take Algebra in grade school, two separate math courses may be taken in the sophomore year.

Math Curriculum Map per Academic Level

Grade 9	Grade 10	Grade 11	Grade 12
Hon Algebra II	Hon Geometry	Hon PreCalc/Trig Hon Statistics AP Statistics	Hon Calculus AP Calculus AP Statistics Hon Statistics
Hon Algebra I	Hon Algebra II Hon Geometry and Hon Algebra II	Hon Geometry or Hon Pre-Calc/ Trig	Hon Calculus or Hon Pre-Calc/Trig AP Calculus AP Statistics Hon Statistics
Algebra I	Algebra II	Geometry	PreCalc/Trig Hon Statistics

- 9th grade students entering Lansdale Catholic High School who completed the Honors Algebra program in 8th grade and passed the Diocesan final exam are rostered to take Algebra II.
- Students who take Algebra I their freshman year but are interested taking Calculus in the 12th grade are encouraged to double up in math during the 10th grade with departmental approval.

- In an effort to incorporate the latest technology into the curriculum, the mathematics department requires that every student have a graphing calculator. The department uses the Texas Instrument family of 84 graphing calculators which includes the TI84, TI84+, TI84 Silver Edition or the TI84C (color) graphing calculator. This calculator is a valuable tool for Algebra I, Algebra II, Trigonometry, Pre-Calculus, Calculus, and Statistics courses. This model calculator may also be used and has been approved by the College Board for the PSAT's and the SAT's. The TI-83 is also acceptable and may be used

411/412 ALGEBRA I

Grade: 9

Credit: 1

Levels: Honors and College Prep

The introduction of mathematical language, properties, number system, variables, and computation of the real numbers will be studied. The study of equations and inequalities in one variable and their applications will be covered. Polynomials, domains, computation and graphing linear equations and inequalities will be covered. Polynomial factorization, the quadratic function and its applications will be introduced. Other topics covered in this course include order of operations, and computation/simplification of irrational numbers and systems of equations and the application of all topics. Data analysis and introduction to statistical analysis will also be covered.

421/422 GEOMETRY

Grade: 10 - 11

Credit: 1

Levels: Honors and College Prep

Prerequisites: Algebra I, Algebra II or Algebra II concurrently

This course will stress an understanding of a mathematical system and an appreciation of the structure of geometry. Formal proofs will be written when proving congruency of triangles. Algebraic skills will be reinforced and reviewed by using algebraic methods to solve problems involving geometric ideas. Measurements of all types of geometric figures, both 2 and 3 dimensional, will be emphasized in problem solving where geometric principles are applied. Congruence, similarity, coordinate Geometry and Transformational Geometry are also covered. Reflections of figures in the plane are also covered.

431/432 ALGEBRA II**Grade: 9 - 10****Credit: 1****Levels: Honors and College Prep****Prerequisite: Algebra I**

All Algebra II topics covered include: sets of numbers, open sentences in one variable and two variables, systems of linear equations and inequalities, polynomials, factoring, relations and functions, irrational numbers, quadratic equations, conic sections, graphing, the complex number system, and exponential equations and their applications. Additional topics include logic, permutations and combinations, algebraic proofs and systems of equations in three variables. The focus and directrix equations of the parabola will be studied, along with the distance formulas of the conic sections. Other topics include Data Analysis in all areas and extensive use of graphing calculators. Complex, irrational computation and equations are studied. Rational equations, their graphs and limits are introduced.

441/442 PRE-CALC/TRIG**Grade: 11-12****Credit: 1****Levels: Honors and College Prep****Prerequisites: Algebra II and Geometry**

This course includes the study of polynomial and rational functions and their graphs; trigonometry functions; identities and equations; logarithmic and exponential functions; conics; complex numbers; sequences and series; limits and continuity. The difference between the levels is the amount of content and depth covered. The graphing calculator will be used in this course.

451 CALCULUS**Grade: 11-12****Credit: 1****Level: Honors****Prerequisite: Pre-Calc/Trig and department approval.**

This course introduces students to the concepts and applications of calculus and is designed to prepare them for college calculus. Topics will include limits, derivatives and integrals.

455 AP CALCULUS AB

Grade: 12

Credit: 1

Level: AP

Prerequisites: Honors PreCalc, AP qualifying test, and department approval.

The AP syllabus is followed. This course provides students with an understanding of the concepts and applications of calculus. It is designed to prepare students for the AP Calculus exam. Topics include limits, derivatives, integrals and applications of each.

Note: Students enrolled in this course **must** sit for the AP test in May.

471 STATISTICS

Grade: 11-12

Credit: 1

Level: Honors

Prerequisites: Honors Algebra II with a minimum avg. of 80 or College Prep Algebra II with a minimum avg. of 85. Departmental approval needed.

This course is designed to be an introduction to statistics. Descriptive statistics, probability, discrete probability distributions, normal probability distributions will be covered. Additional topics of confidence intervals, hypothesis testing in one and two samples will also be introduced. Correlations and regression equations will also be examined. If time permits, Chi-Square tests will be introduced. This course is suggested for all students who will be taking a Statistics course in college for Business, Science, Marketing, and Liberal Arts majors.

Note: Students may elect to take the College Board AP test in May.

475 AP STATISTICS

Grade: 11-12

Credit: 1

Level: AP

Prerequisite: A minimum grade of 85 in Honors Algebra II, AP qualifying test, and departmental approval.

This course follows the AP Syllabus. This course is designed to be an introduction to statistics. Descriptive statistics, probability, discrete probability distributions, normal probability distributions will be covered. Additional topics of confidence intervals, hypothesis testing in one and two samples will also be introduced. Correlations and regression equations will also be examined along with non-parametric tests.

Note: Students enrolled in this course **must** sit for the AP test in May.

SCIENCE DEPARTMENT

- Three years of Science is required for graduation from Lansdale Catholic High School. The fourth year of Science is available as an elective and encouraged.
- Honors level students in the Science Department are required to participate in a Science Seminar held at Lansdale Catholic High School outside of the normal school day.

501 HONORS BIOLOGY

Grade: 9

Credit: 1

Level: Honors

The main objective of this course is to lead each student to conceive of Biology as a science and to see the process of science as a reliable method of gaining objective knowledge. This approach will be accompanied by lab experience. The biological themes include: evolution, diversity, genetics, organisms and their interaction with the environment, behavior, structure and function, regulation, science as inquiry, historical concepts, science and society. Computers are utilized to enhance instruction. A formal lab report is required each semester.

502 BIOLOGY

Grade: 10-11

Credit: 1

Level: College Prep

The objective of the program is to present to the first year biology student an introduction into the major biological concepts. The approach to this understanding will be reinforced by related lab experiences. A partial list of the major biological concepts considered in this course is: Microscopy, Taxonomy, Evolution, The Origin of Life, and Biochemistry (Fermentation, Photosynthesis, and Respiration, etc.), Genetics, Population Biology, and Ecology. Laboratory experiences are incorporated into the course presentation, usually at an average of one lab session per week. Computers will be used to enhance instruction. A formal lab report is required each semester.

555 AP BIOLOGY

Grade: 10-12

Credit: 1

Level: AP

Prerequisite: 90% in Biology. Students must also take a qualifying test and have department approval.

The objective of this program is to present a course which is equivalent to the first course in college biology. The AP Biology course outline suggested by the Educational Testing Service is the basis of the curriculum. Topics included are: Biological Chemistry, cells, energy transformation, molecular genetics, heredity, evolution and speciation, taxonomy, a survey of the plant and animal kingdoms, anatomy and physiology and ecology. Double period laboratory experiments (12) are conducted. Computers are utilized to enhance instruction and labs.

Note: Students enrolled in this course **must** sit for the AP exam in May.

531 HONORS CHEMISTRY

Grade: 10

Credit: 1

Level: Honors

This course deals with all the substances making up our environment and with the changes these substances undergo. In the investigative approach, great emphasis is placed on experimentation and observation. A combination of both micro and macro lab techniques perform experiments in an alternate fashion. The topics covered in depth are: the changes and properties in matter; measurement in chemistry periodic table; atomic and molecular structure; bonding; Stoichiometry, solutions, and phases of matter. One formal laboratory report per semester is required.

532 CHEMISTRY

Grade: 10

Credit: 1

Level: College Prep

This course meets the requirements for a basic introductory course in chemistry with the material organized for a modern theoretical development. Topics covered in the course include atomic structure, chemical bonding, and the physical states of matter, solutions and measurement, chemical stoichiometry and some study of organic compounds. The course is designed to meet the needs of students who plan to attend college or nursing school or who wish to take chemistry simply for enrichment. Computer aided laboratory exercises, tutorial programs and computer analysis of lab results are an integral part of this course. A formal lab report is required each semester.

536 AP CHEMISTRY

Grade: 11-12

Credit: 1

Level: AP

Prerequisite: 85 or better in Chemistry and department approval

This course is designed to build upon and extend the foundation already established in the first year of chemistry. The topics covered will include: matter and measurement, atoms, molecules and ions, stoichiometry, aqueous reactions and solution stoichiometry, thermo chemistry, electronic structure of atoms, basic concepts of bonding, molecular geometry, gases, intermolecular forces, properties of solutions, chemical kinetics, chemical equilibrium, acid-base equilibria, entropy, and introduction to organic chemistry. Laboratory experiments are incorporated into the course presentation. A double lab period is held 2 times a cycle.

Note: Students enrolled in this course **must** sit for the AP exam in May.

541 HONORS PHYSICS

Grade: 11-12

Credit: 1

Level: Honors

Prerequisite: 85 or better in Hon Pre-Calc/Trig

This program presents an in-depth first course in physics for the science and math oriented superior student. It is a process-oriented and a laboratory intensive course. It is of particular interest to those who are planning careers in medicine, engineering, architecture, technology and the earth sciences as well as the natural science. The course is algebra-based. "Interactive" computer-based labs are used. The concepts include: Newtonian mechanics, dynamics, fluid mechanics, waves, and light. One formal lab report is required each semester.

542 PHYSICS

Grade: 11-12

Credit: 1

Level: College Prep

Prerequisite: 80 or better in Algebra II

This program presents a comprehensive conceptual curriculum of Physics for the college-bound student. It is an algebra-based course and includes topics in: mechanics, waves, and light. This course is laboratory intensive and employs the learning cycle method of investigation. It includes using interactive computer based labs. One formal lab report is required each semester.

543 CONCEPTUAL PHYSICS

Grade: 11 – 12

Credit: 1

Level: College Prep

This is an introductory course. It is an algebra-based course and includes topics in mechanics, waves, and light. Labs within the class and computer-simulated labs will be included. Students will be chosen for this class based on their math and science grades.

Prerequisite: Department approval

544 PHYSICS 9

Grade: 9

Credit: 1

Level: College Prep

Physics 9 is an introductory course for the first year high school student. It uses extensive investigation to study the principles of motion, forces, matter, and energy, electricity, magnetism, waves/ sound, light and optics. Emphasis is placed on data collection and analysis to assure an understanding of the laws of Physics and their application to Chemistry, Biology, Forensic Science, and Environmental Science. Students will apply practical application of mathematics (primarily Algebra I) to science.

561 ENVIRONMENTAL SCIENCE

Grade: 12

Credit: 1

Level: College Prep

This course is designed to give the student an overview of environmental science. The major concepts covered are: interrelatedness, ecological principles, human influences on ecosystem, pollution, and governmental pollution policies, renewable and non-renewable energy, soil quality, water quality, and human health. Laboratory and group work are a part of the course.

The Science Department strongly encourages a broad-based foundation in preparation for college including: physical science, biology, chemistry, and physics. One formal lab report is required each semester.

565 AP ENVIRONMENTAL SCIENCE

Grade: 11-12

Credit: 1

Level: AP

Prerequisites: Biology, Chemistry, and Departmental approval.

The goal of the AP Environmental Science course is to provide student with the scientific principles, concepts, and methods required to understand the interrelationship of the natural world, to identify and analyze environmental problems both natural and human made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving/preventing them.

Environmental Science is interdisciplinary; it embraces a wide variety of topics from different areas of study. Yet there are several major unifying constructs or themes that cut across the many topics included in the study of Environmental Science. The following themes provide a foundation for the structure of this course: The process of Science, energy conversions, the earth itself, natural systems and human interaction, and environmental problems.

Note: Students enrolled in this course **must** sit for the AP exam in May.

563/564 ANATOMY & PHYSIOLOGY

Grade: 12

Credit: 1

Levels: Honors and College Prep

Prerequisites: 85% in H-Biology/H-Chemistry. 80% in Biology/Chemistry

This is an introductory course to the fundamental concepts of human anatomy and the functions of the human body. Topics include: various organ systems, cells, body tissues and membranes. Skin is also included. Labs will include microscopic review of tissues, study of skeletal structures and comparison of mammalian organs. Interactive computer labs and simulations will also be included. One formal lab report is required each semester.

571/572 FORENSICS/CRIMINAL JUSTICE

Grade: 12

Credit: 1

Level: Honors and College Prep

Prerequisite: 85 or better in Biology and Department Chair Approval

This is a full year course divided into two subject areas. Forensics is an introductory course that emphasizes the application of science for criminal and civil laws. The topics covered will be: fingerprinting, DNA, blood analysis, document analysis, internet, etc. The use of technology and labs is a key component to the course work. This course will emphasize inquiry based learning strategies and problem solving skills. This course requires the purchase of a lab book with the approx. cost of \$30.00

Criminal Justice examines problems in the study of crime and criminal justice, basic elements of criminal law and constitutional rights and the functions of, as well as the relationship between major components of the criminal justice system.

BUSINESS/TECHNOLOGY EDUCATION DEPARTMENT

The Business/Technology Education Department prepares the Lansdale Catholic High School student for higher educational and career success by:

1. Providing information and exposure to business/technology courses as a background for college courses of study such as business administration, accounting, economics, finance/marketing, entrepreneurship, and technology.
2. Facilitating the transfer of knowledge from high school to future educational and employment endeavors through computer application courses.
3. Helping the student to function effectively as a consumer in our society.
4. Assisting the students to secure an entry-level job by helping them develop their personal and marketable skills.

All students in who enroll in a Business course at Lansdale Catholic High School are encouraged to join the Future Business Leaders of America (FBLA)

609 HONORS ACCOUNTING

Grades: 11, 12

Credit: 1

Level: Honors

Prerequisite: Minimum of 85 in Honors Math

This course enables the student to prepare, analyze, and interpret the financial records of a business. It emphasizes the role of the accountant as an integral member of the management team. Both accounting theory and applications are stressed. Accounting applications using a microcomputer will be introduced. This course is beneficial for those students considering a business major in college. **A WORKBOOK IS REQUIRED FOR THIS COURSE.**

630 INFORMATIONAL TECHNOLOGY 1

Grades: 9

Credit: .5

Level: College Prep

This course is an introduction to the school's technology. This program teaches the development and application of technology and its effects on individuals, and society. Its goal is to develop the technological literacy and capabilities for all students so that they will be better prepared for success in our technological society. The use of Web-based applications such as Google Docs will also be introduced, as well as, word processing, spreadsheets and database software and presentations. This course is rostered with Related Arts the opposite semester.

672 ENTREPRENEURSHIP / BUSINESS LAW

Grades: 11, 12

Credit: 1

Level: College Prep

Entrepreneurship

This course defines academic skills, management concepts and practices, legal issues, marketing concepts, human resources, global economy and the personal traits entrepreneurs need. Lansdale Catholic partners with the Network For Teaching Entrepreneurship (NFTE) program of Temple University. The purpose of the program is to inspire young people and to recognize business opportunities and to plan for successful futures. Each student will be participate in the NFTE World Series of Innovation

Business and Personal Law

An introductory level business course that will acquaint students with an understanding of business law and personal law. Students will learn how to identify legal and ethical issues and be able to apply law and ethics to issues and situations.

- To develop communication skills
- To gain an ability to analyze and interpret information that will enhance the student's critical thinking skills
- To be exposed to and understand the relevance of law
- To be able to transfer the legal information to situations in the real world
- To develop basic work skills for the real world

682 PERSONAL FINANCE / MARKETING

Grades: 11, 12

Credit: 1

Level: College Prep

Personal Finance shows high school students how to manage their financial assets now and in the future. Students will be introduced to the basic understanding of savings with compound interest, the stock and bond markets, and how to manage their money in the current economic climate. Finally, the students will be familiarized to interest rates and how they will affect their purchasing a car or house.

Marketing will bring the students the latest information in national and international marketing. The events of the past several years have rapidly moved us from a national to an international economy. The ultimate goal of business/technology education is to assist the students in attaining the marketable skills and knowledge needed to function in a technological society, and to enable them to enter the business world or a post-secondary Students will learn how the marketing plan is put together: product development, research, advertising and promotion, marketing strategy, pricing and packaging decisions, tracking changing consumer behavior and sales. Students will demonstrate good citizenship by showing respect for equipment, classroom procedures, the teacher, and each other.

685 AP MACRO-ECONOMICS

Grade: 11-12

Credit: 1

Level: AP

Prerequisites: Students should be able to read a college-level textbook and received an 85 average in Honors Geometry.

AP Macroeconomics gives students a thorough understanding of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination, and also the students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics.

Note: Students are required to take the AP test in May. AP Microeconomics is offered every subsequent year.

640 COMPUTER PROGRAMMING

Grade: 11-12

Credit: 1

Level: College Prep

Prerequisites: Departmental Approval

The goal of this class is for students to learn the basics of Java, an object oriented, high level, programming language. Students will learn the basic programming concepts including: variables, arrays, conditions, loops, and methods. Emphasis is placed on Java fundamentals, language, syntax, program design and structure, computer architecture, and algorithmic solutions of mathematical problems.

FINE ARTS DEPARTMENT

701 ART I
Grade: 9 - 12
Credit: 1
Level: College Prep

Art I is open for interested high school students who want to develop studio skills and techniques. This class is a prerequisite for the remaining studio art classes. Art I looks at art along a historical basis while emphasizing the development of studio art skills. Students are expected to apply their knowledge of the elements and principles of art through a variety of media. Aesthetic study and art criticism are included with the art production and art history. Sketchbook requirements, tests and assessments round out the curriculum. There will be a **\$50.00 fee** for Art I.

702 ART II
Grade: 10 - 12
Credit: 1
Level: College Prep
Prerequisite: Art I

Art II extends techniques and explores in greater depth the experiences and concepts introduced in Art I. Students continue to develop their visual proficiency while further developing aesthetic ideals and critical thinking concepts. A variety of media will be used and students are expected to begin personal exploration of materials outside the classroom. Sketchbook requirements, tests and assessments round out the curriculum. There will be a **\$50.00 fee** for Art II.

703/704 ART III and IV/PORTFOLIO PREP
Grade: 11-12
Credit: 1
Track: Honors
Prerequisite: Art I, II, (III)

This course builds upon concepts and techniques learned in Art I and II. Students are expected to create a well-rounded portfolio of artwork that shows proficiency in a variety of media. Students are required to be able to critique their work and that of their classmates and to set up an exhibition display. Sketchbook requirements, tests and assessments round out the curriculum. There will be a **\$50.00 fee** for Art III and Art IV.

730 RELATED ARTS
Grade: 9
Credit: 0.5
Level: College Prep

Freshmen are required to take a minimum of one semester of fine arts. This class focus is on music. This freshman program is designed to introduce students to the arts through theory, history and performance. Course requirements include homework, tests, performance exercises and assessments. Classes are determined by the student's roster. The course is rostered with Informational Technology 1 the opposite semester.

735 AP STUDIO ART DRAWING
Grade: 11 - 12
Credit: 1
Level: AP
Prerequisite: Studio Art I & II

The AP studio art portfolios are designed for students who are seriously interested in the practical experience of art. AP studio art is not based on a written exam; instead, students submit portfolios for evaluation at the end of the school year. The artwork created can be used for portfolio admission to art institutions as well. Class will also provide information regarding college applications and portfolios process.

Note: Students are required to participate in the College Board AP Exam.

736 AP STUDIO ART 2D DESIGN
Grade: 11 - 12
Credit: 1
Track: AP
Prerequisite: Studio Art I & II

This course is designed for highly motivated students who hope to pursue collegiate level art courses. The course is completely centered on the individual student and involves an in-depth study of a chosen genre of art. An extensive body of work will be compiled as well as a series of written assignments and tests relating to the individual's topic. The artwork created can be used for portfolio admission to art institutions as well as being sent for review to the College Board Committee. Class will also provide information regarding college applications and the portfolio process.

Note: Students are required to participate in the College Board AP Exam.

750 CHORUS I
Grade: 9 - 12
Credit: 1
Level: 2

Students will learn to use their voices as musical instruments. They will learn breathing and vocal exercises. The course will cover a variety of musical styles and will allow students to explore and develop their skills as singers. Course requirements include tests, performances and assessments. There will be weekly practices after school and members are required to participate in public performances. There will be a **\$50.00 fee** for Chorus I.

751 CHORUS II, III, IV
752 Grade: 10 - 12
753 Credit: 1
Level: Honors 1
Prerequisite: Chorus I, (II, III)

This course builds upon the foundations established in Chorus. Students will have the opportunity to work on vocal development and breathing. They will also learn about music theory through the study of a variety of musical styles throughout history. Course requirements include tests, performances and assessments. There will be weekly practices after school and members are required to participate in public performances. There is a **\$50.00 fee** for Chorus.

760 INSTRUMENTAL MUSIC I
Grade: 9 - 12
Credit: 1
Level: College prep

Band is open to students with an interest in playing brass, woodwind, or percussion instruments. Students playing stringed instruments, including guitars, will be considered on an individual basis. Band members will learn to play and practice as a group as part of the High School Concert, and Pep Band. They will perform at concerts, pep rallies, football games and competitions. Students will play music of many styles and composers and will learn instrumental skills that they can use later in life as individuals or as part of a group. They will also learn about music history and theory and the importance of working respectfully with others as part of a team. There will be weekly practices after school and members are required to participate in public performances. There will be a **\$50.00 fee** for Instrumental Music I.

761 INSTRUMENTAL MUSIC II, III, IV

762 Grade: 10 - 12

764 Credit: 1

Level: Honors

Prerequisite: Instrumental Music I

This course builds upon the foundations established in band. Students will have the opportunity to enhance their instrumental technique. Students will play music of many styles and composers and will learn instrumental skills that they can use later in life as individuals or as part of a group. They will also learn about music history and theory and the importance of working respectfully with others as part of a team. Band members will learn to play and practice as a group as part of the High School Concert and Pep Band. They will perform at concerts, pep rallies, football games and competitions. There will be weekly practices after school and members are required to participate in public performances. There will be a **\$50.00 fee** for Instrumental Music.

770 AP MUSIC THEORY

Grades: 11 - 12

Credit: 1

Level: AP

Prerequisite: Knowledge of reading noted music and Department Chair approval

The goal of this class is to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. The course will seek first to install mastery of the rudiments and terminology of music, including: Pitches, Intervals, Scales and Keys, Chords, Meter, and Rhythm. The students will be required to sing in solfeggio to help develop ear training as well as perform on various instruments. Participation in school performance groups is encouraged.

Note: Students are required to participate in the College Board AP Exam.

JVLA ONLINE COURSES

Lansdale Catholic is proud to partner with the Jesuit Virtual Learning Academy (JVLA) to offer the following courses to our Junior and Seniors for during the 2017 – 2018 school year. The student may take one of these courses independently each semester.

Students completing a JVLA course will receive credit for the class on their Lansdale Catholic transcript. The course will count toward the student's GPA and Class Rank. The course is rostered into the student's school schedule and a period within the school day is allotted for the student to work independently on one's course work entirely online.

PLEASE NOTE: As these courses are offered outside of Lansdale Catholic High School, there is an additional cost of \$530 per class set.

Prerequisites: In order to enroll in a JVLA course, students must hold an 85 cumulative average or higher and must receive administrative approval.

821 PRINCIPLES OF ENGINEERING (Fall) & COMPUTER GAME DEVELOPMENT (Spring)

Grades: 11 – 12

Credit: 1

Level: Honors

822 PRINCIPLES OF ENGINEERING (Fall) & COMPUTER SCIENCE PRINCIPLES (Spring)

Grades: 11 – 12

Credit: 1

Level: Honors

823 C++ PROGRAMMING (Fall) & COMPUTER GAME DEVELOPMENT (Spring)

Grades: 11 – 12

Credit: 1

Level: Honors

824 C++ PROGRAMMING (Fall) & COMPUTER SCIENCE PRINCIPLES (Spring)

Grades: 11 – 12

Credit: 1

Level: Honors

825 BIOETHICS (Fall) & GENOCIDE AND THE HOLOCAUST (Spring)

Grades: 11 – 12

Credit: 1

Level: Honors

- 826 DIGITAL PHOTOGRAPHY (Fall) & HOW TO READ PLAY...
AND HOW TO WRITE ONE (Spring)**
Grades: 11 – 12
Credit: 1
Level: Honors
- 827 CALCULUS BC (Full Year Course- \$370)**
Grades: 11 – 12
Credit: 1
Level: AP
- 828 LATIN I- (Full Year Course- \$370)**
Grades: 9 – 12
Credit: 1
Level: Honors

JVLA Course Descriptions

PRINCIPLES OF ENGINEERING

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

C++

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

COMPUTER GAME DEVELOPMENT

This course explores the process of game development, the principles of game design, styles/genres of computer games, techniques for game software engineering, and information about the computer game industry. Emphasis will be on pragmatic advice for game designers, together with techniques for game balance and analysis. Students will design and playtest a game as a course project. Group work is emphasized, especially the importance of collaboration between technical and artistic efforts. Students are expected to participate in game development using appropriate game development tools.

COMPUTER SCIENCE PRINCIPLES

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

GENOCIDE AND THE HOLOCAUST

This course takes a look at both the academic and social constructions of genocide. We will view the Holocaust as the paradigmatic example of, but not only, genocide in modern history. Students will study causes and processes of genocide as well as other contemporary crimes against humanity. Students and parents should be advised that this course utilizes intense and disturbing materials.

BIOETHICS

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

HOW TO READ PLAYS... AND HOW TO WRITE ONE

This class investigates how drama works and why we still read and watch plays. What, for instance, does a reader or a director do with that famous stage direction from Shakespeare's *The Winter's Tale*, "Exit, pursued by a bear"? Students will learn to think more broadly than just about drama, and will develop critical writing skills, forming arguments that think beyond the obvious and demonstrate a command of the text. Students will work throughout the semester on a capstone project: a short play of their creation to be handed in at the end of the semester. Those interested should expect to have one hour's worth of work each of six days out of the week including, but not limited to reading, viewing lectures, watching film adaptations of plays, writing essays, posting to a discussion board, and participating in e-meetings. Return to course list.

DIGITAL PHOTOGRAPHY

This course is designed for beginner photographers. Students will learn the basics of photography and fine tune their camera skills. The course will also cover composition and the principles of design that work to create an aesthetically pleasing photo. The course will not cover photo editing and retouching but will focus on getting good images that don't need editing. Student must have a Digital SLR camera.

LATIN I- (Full Year Course)

In this introductory course, students will learn the basic elements of Latin grammar, syntax, and vocabulary. Students will also study the Latin-based etymological roots of common English word families and selected topics from Roman history, culture, and mythology. By the end of the course, students will be able to read short, authentic Latin texts and write original Latin sentences using basic Latin grammar and vocabulary.

AP CALCULUS BC (Full Year Course)

AP Calculus BC will cover all of the topics associated with AP Calculus AB includes the study and application of differentiation and integration, and graphical analysis including limits, asymptotes, and continuity. In addition, AP Calculus BC includes the study of convergence tests for series, Taylor and/or Maclaurin series, the use of parametric equations, polar functions, including arc length in polar coordinates, calculating curve length in parametric and function equations, L'Hôpital's rule, integration by parts, improper integrals, Euler's method, differential equations for logistic growth, and using partial fractions to integrate rational functions. Return to course list.

DeSales University University

These dual credit courses, taught online by a professor from De Sales University, will earn students both AP-level credit for one's Lansdale Catholic transcript and three credits at De Sales University. The classes are only offered online at eight week intervals. The class will follow the rules, regulations and expectations of both Lansdale Catholic and De Sales University. Course descriptions can be found at www.desales.edu.

PLEASE NOTE: As this course is offered by a partner school, there is an additional cost of \$650 paid to DeSales University to enroll in each online class.

Prerequisites: In order to enroll in a De Sales online course, students must hold an 85 cumulative average or higher and must receive administrative approval. Students may take up to 5 AP Courses or College Level Courses per semester.

**Session 1 CYBERCRIME
(Aug-Oct) Grades: 11 – 12
 Credit: 1
 930 Level: AP**

**INTRODUCTION TO MASS COMMUNICATIONS
 Grades: 11 – 12
 931 Credit: 1
 Level: AP**

**Session 2 BUSINESS COMPUTER APPLICATIONS
(Oct-Dec) Grades: 11 – 12
 Credit: 1
 932 Level: AP**

**WEBPAGE DESIGN
 Grades: 11 – 12
 933 Credit: 1
 Level: AP**

**Session 3* INTRODUCTION TO COMPUTER APPLICATIONS (Feb. start)
 Grades: 11 – 12
 934 Credit: 1
 Level: AP**

**MULTIMEDIA (Jan. start)
 935 Grades: 11 – 12
 Credit: 1
 Level: AP**

**Session 4 INTRODUCTION TO MANAGEMENT OF INFORMATION
(Mar-May) TECHNOLOGY**

Grades: 11 – 12

936 Credit: 1

Level: AP

DIGITAL ART I

937 Grades: 11 – 12

Credit: 1

Level: AP

AUXILIARY SERVICES

According to the provision of the Education Act 89 of the Commonwealth of Pennsylvania, the following services are provided to Lansdale Catholic High School students.

813 ACADEMIC SUPPORT

Grade: 9-10

This non-credit course is primarily intended for students who need additional assistance in the area of mathematics and/or reading and study skills. Students must be recommended by subject area teachers or must have scored below grade level in recent standardized testing. Students will meet daily in small groups during their study hall period.

888 INTERNATIONAL FOUNDATIONS

Grade: 9-12

This course is designed for the international student who is new to the Lansdale Catholic High School community or for international students who need additional assistance in the area of study skills. The goal of this non-credit course is to help students excel in academics, participate in extra-curricular activities, master English language skills, and find their place in the American culture. Continuing what was learned at the summer orientation, students will understand school traditions, practice their English language, and master valuable study skills. Eventually the students will learn to work independent of the International Student Advisor and will be moved to a scheduled study hall period during this rostered course.

VOCATIONAL-TECHNICAL SCHOOL

Students in grades 10, 11, or 12 who attend Lansdale Catholic may be eligible to participate in vocational-technical training available through the school district in which the student resides.

Students who elect for this option will be assigned to one of the following schedules:

1.) Attend the vocational-technical high school in the morning, and, then, be scheduled for classes during periods 5 – 8 at LC

-- OR --

2.) Attend LC for periods 1 – 4, then go to the vocational-technical high school in the afternoon.

Students and their parents are responsible for arranging bus transportation to and from the vocational-technical high school. This is scheduled through the school district in which the student lives.

All students who are considering vocational-technical training must see Mrs. Graham in the Guidance Office during the Course Selection process.

Available Vocational-Technical Schools:

North Montco Career Center

Districts: Methacton, North Penn, Perkiomen Valley, Souderton, Wissahickon

Location: Sumneytown Pike, Lansdale, PA

Eastern Vocational-Technical Center

Districts: Hatboro-Horsham

Location: Willow Grove, PA

Upper Bucks County Area Vocational Technical School

Districts: Pennridge, Palisades, Quakertown

Location: Perkasie, PA

Middle Bucks Institute of Technology

Districts: Central Bucks, Centennial

Location: Jamison, PA

Center for Technical Studies

Districts: Norristown, Colonial

Location: Norristown, PA

Programs for VoTech:

Following is a list of programs available at North Montco Area Career Center. Many similar courses are offered at the other vocational-technical schools. For more specific information, contact the Guidance Office.

901	Construction Trade	College Prep	Credit 1
902	Culinary Arts	College Prep	Credit 1
903	Engineering/Manufacturing	College Prep	Credit 1
904	Health and Human Services	College Prep	Credit 1
906	Power and Transportation	College Prep	Credit 1
907	Visual Communication	College Prep	Credit 1
908	Cosmetology	College Prep	Credit 1
909	Environmental Horticulture	College Prep	Credit 1