

# Lansdale Catholic High School

*700 Lansdale Avenue*

*Lansdale, PA 19446*



## Course Catalog 2019 – 2020

**Administration**

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

**Assistant Principals**

Mr. Jon Slabek .....Academic Affairs  
Mr. Robert Moran.....Student Affairs  
Mrs. Margaret Picozzi.....Student Services

**Department Chairpersons/ Academic Board**

Theology.....Mr. Dan McCarthy  
English.....Ms. Emily Brady  
Social Studies.....Mrs. Amy MacKay '91  
World Language.....Mr. Joe Corbett  
Mathematics..... Mrs. Lucille Pritchard '66  
Science.....Mrs. Jen U'Selis  
Business Education..... Mrs. Lisa Wright-Polk  
Fine Arts..... Mr. Jim Timer  
Physical Education and Health.....Mrs. Monica Stolic  
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 as a guide for your future goals. After reading the following pages, you will have a better understanding of the learning goals, course requirements, and specific content of the various academic courses offered at Lansdale Catholic High School.

Course selection is a responsibility that requires time, patience, knowledge, and careful 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 make a change.

For some courses, certain requirements/prerequisites are listed. These prerequisite requirements must be met before you can apply for these specific courses. Approval from the Department Chairperson is required for any exception to these prerequisites.

The registration fee insures your seat at Lansdale Catholic High School for the upcoming school year. After you have had time to review the course offerings you will be asked to complete your course selection through PowerSchool in March. Once this process begins, you will choose your courses for the next year on PowerSchool then print and sign the Course Selection Form. Please have your parent/guardian sign the Course Selection Form as well. This paper must be returned to the Academic Affairs Office.

Read this catalog carefully with your future goals in mind. Best of luck with course selection!

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 in each course is determined collectively by each student's individual effort and the recommendations from each academic department.

At Lansdale Catholic High School, the Academic Affairs Office oversees the Course Selection process by rostering students and generating the Course Selection Form. The Course Selection Form, available through PowerSchool in March, indicates the required courses the student must take the following year as well as the elective courses a student can choose to take the following school year. The school may recommend that the student not take a particular course or level based on past performance. If a parent disagrees with the student's placement in a particular course, the parent must state in writing their request for a different placement. A student who has experienced considerable difficulty in certain subjects may be advised to choose subjects which are designed to reduce scholastic pressures and at the same time present adequate challenges at his or her present level of learning.

Based on student course selections in March, the Master Schedule is developed, class size is determined, and teacher assignments are made. When the Master Schedule is complete, any students who have requested courses that present conflicts with other requested courses will be contacted to make an alternate selection. This may take place into the summer months.

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

## **COURSE CHANGES**

The selection of one's courses should be made only after serious, careful, and thoughtful consideration. Therefore, once you choose your courses and they are approved, one will be expected to follow his/her 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

If there is a serious reason or circumstance that requires a specific modified schedule, or schedule change, please contact the Assistant Principal for Academic Affairs to discuss the issue prior to the start of the following school year.

**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. Changes generally do not occur after the start of a new academic year.

### **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 constraints. 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.

### **CURRICULUM LEVELS**

Teaching and learning takes place in various academic groupings. The grade received in a course reflects the student's progress at that particular ability level. A quality point system weights the grade according to the ability level in order to determine the class rank at the close of each semester. Students are placed in an academic 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. In certain curriculum areas, a placement test may be offered. Upperclassmen are recommended to particular academic ability levels prior to the course selection process as determined by each student's individual progress and the recommendations or unique formula developed independently by each academic department. Track changes ordinarily do not occur during the academic year. The following is a guide to understanding the curriculum levels:

- AP** AP refers to courses that utilize the course of study developed by the Advance Placement Program of the College Board. All students registered in an AP level course are required to take the AP exam in May
- Honors** College preparatory courses that utilize a course of study for students of high or exceptional ability and work ethic.
- College Prep** College preparatory courses for students of above average ability.
- Academic** College preparatory courses for students of average ability. When applicable, an academic assistance program is added to one's roster.

### **HONORS**

Students who achieve well at their ability level earn first and second honors based upon the quarter grade. Honors are determined independently of the curriculum level for each course. Once the general average is computed, honors are determined as follows:

- 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 academic level of the course. Cumulative rank is computed for all four high school years. Senior rank for graduation is calculated at the end of the 1<sup>st</sup> semester.

### Quality Points Table

<b>GRADE</b>	<b>AP</b>	<b>Honors</b>	<b>C.P.</b>	<b>Academic</b>
100	54	48	44	40
99	53	47	43	39
98	52	46	42	38
97	51	45	41	37
96	50	44	40	36
95	49	43	39	35
94	48	42	38	34
93	47	41	37	33
92	46	40	36	32
91	45	39	35	31
90	44	38	34	30
89	43	37	33	29
88	42	36	32	28
87	41	35	31	27
86	40	34	30	26
85	39	33	29	25
84	38	32	28	24
83	37	31	27	23
82	36	30	26	22
81	35	29	25	21
80	34	28	24	20
79	33	27	23	19
78	32	26	22	18
77	31	25	21	17
76	30	24	20	16
75	29	23	19	15
74	28	22	18	14
73	27	21	17	13
72	26	20	16	12
71	25	19	15	11
70	24	18	14	10
69	23	17	13	9
68	22	16	12	8
67	21	15	11	7
66	20	14	10	6
65	19	13	9	5
64	18	12	8	4
63	17	11	7	3
62	16	10	6	2
61	15	9	5	1
60	14	8	4	0

## Grade Point Average

The GPA will be calculated on the final grade per course using the weighted scale below for the class of 2020. The average GPA of all courses is calculated. The GPA will be reported on the transcript. Semester-long and quarter-long courses will be counted into the GPA.

FINAL COURSE GRADE	AP	HONORS	C.P and Academic
90-100	4.3	4.1	4.0
80-89	3.3	3.1	3.0
73-79	2.3	2.1	2.0
70-72	1.3	1.1	1.0

The GPA will be calculated based on the final grade per course using the weighted scale below for the class of 2021, 2022, and 2023.

Grade	Advanced Placement			Honors		College Prep		Academic	
	Unweighted	Added Value	Weighted	Added Value	Weighted	Added Value	Weighted	Added Value	Weighted
100	4.0	2.0	6.0	1.5	5.5	1.0	5.0	0.5	4.5
99	3.9	2.0	5.9	1.5	5.4	1.0	4.9	0.5	4.4
98	3.8	2.0	5.8	1.5	5.3	1.0	4.8	0.5	4.3
97	3.7	2.0	5.7	1.5	5.2	1.0	4.7	0.5	4.2
96	3.6	2.0	5.6	1.5	5.1	1.0	4.6	0.5	4.1
95	3.5	2.0	5.5	1.5	5.0	1.0	4.5	0.5	4.0
94	3.4	2.0	5.4	1.5	4.9	1.0	4.4	0.5	3.9
93	3.3	2.0	5.3	1.5	4.8	1.0	4.3	0.5	3.8
92	3.2	2.0	5.2	1.5	4.7	1.0	4.2	0.5	3.7
91	3.1	2.0	5.1	1.5	4.6	1.0	4.1	0.5	3.6
90	3.0	2.0	5.0	1.5	4.5	1.0	4.0	0.5	3.5
89	2.9	2.0	4.9	1.5	4.4	1.0	3.9	0.5	3.4
88	2.8	2.0	4.8	1.5	4.3	1.0	3.8	0.5	3.3
87	2.7	2.0	4.7	1.5	4.2	1.0	3.7	0.5	3.2
86	2.6	2.0	4.6	1.5	4.1	1.0	3.6	0.5	3.1
85	2.5	2.0	4.5	1.5	4.0	1.0	3.5	0.5	3.0
84	2.4	2.0	4.4	1.5	3.9	1.0	3.4	0.5	2.9
83	2.3	2.0	4.3	1.5	3.8	1.0	3.3	0.5	2.8
82	2.2	2.0	4.2	1.5	3.7	1.0	3.2	0.5	2.7
81	2.1	2.0	4.1	1.5	3.6	1.0	3.1	0.5	2.6
80	2.0	2.0	4.0	1.5	3.5	1.0	3.0	0.5	2.5
79	1.9	2.0	3.9	1.5	3.4	1.0	2.9	0.5	2.4
78	1.8	2.0	3.8	1.5	3.3	1.0	2.8	0.5	2.3
77	1.7	2.0	3.7	1.5	3.2	1.0	2.7	0.5	2.2
76	1.6	2.0	3.6	1.5	3.1	1.0	2.6	0.5	2.1
75	1.5	2.0	3.5	1.5	3.0	1.0	2.5	0.5	2.0
74	1.4	2.0	3.4	1.5	2.9	1.0	2.4	0.5	1.9
73	1.3	2.0	3.3	1.5	2.8	1.0	2.3	0.5	1.8
72	1.2	2.0	3.2	1.5	2.7	1.0	2.2	0.5	1.7
71	1.1	2.0	3.1	1.5	2.6	1.0	2.1	0.5	1.6
70	1.0	2.0	3.0	1.5	2.5	1.0	2.0	0.5	1.5

### **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](http://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](http://www.NCAA.org). Students are encouraged to discuss this information with the school Guidance Director and Athletic Director.

### **TRANSFER STUDENTS – Credits & Quality Points**

Students who transfer into Lansdale Catholic High School will be given credit for all courses completed at their previous school. They will receive honors credits and quality points if their transcript indicates an Honors course was taken.

\*\*\*Additional Academic policies for Lansdale Catholic High School can be found in the Family Handbook in their entirety at [www.lansdalecatholic.com](http://www.lansdalecatholic.com).\*\*\*

### **CORE CURRICULUM**

The curriculum at Lansdale Catholic High School has a rigorous academic emphasis with provisions in the eleventh and twelfth grades to continue in the college preparatory course or to prepare for the business world. In cooperation with local area Vocational-Technical Schools, Lansdale Catholic High School also provides students with vocational or technical training. There is a solid core-curriculum with a number of electives. The school's heavy academic emphasis is explained by the fact that in the last six years, an average of 98% of each senior class went on to further education.

<b>ACTIVITY OF THE CLASS OF</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
Four Year Colleges.....	80%	84%	84%	90%	88%	82%
Community College/Junior Colleges	18%	14%	13%	9%	9%	13%
Other Post-Secondary Schools.....	1%	<1%	1%	<1%	1%	0%
Students Entering the Job Market.....	0%	<1%	<1%	<1%	2%	2.5%
Students Entering the Military.....	1%	2%	2%	<1%	0%	0%

### **CORE CURRICULUM OFFERINGS**

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



## Graduation Requirements

	Grade 9	Grade 10	Grade 11	Grade 12
<b>THEOLOGY</b>	Theology I	Theology II	Theology III	Theology IV
<b>ENGLISH</b>	ELA I	ELA II	ELA III or AP Language	ELA IV or AP Literature
<b>MATHEMATICS</b>	Algebra I or Algebra II	Algebra II or Geometry	Geometry	
<b>SCIENCE</b>	Physics 9 or Chemistry	Biology or Chemistry	Chemistry Biology or Physics	
<b>HISTORY</b>	World History	US Gov. & Politics or AP US Gov. & Politics	US History or AP American History	Comparative Government and Economics
<b>WORLD LANGUAGE</b>	Italian I or Spanish I	Italian II or Spanish II		
<b>TECHNOLOGY</b>	Info Tech (1 semester)			
<b>ART</b>	Related Arts (1 semester)			
<b>PE/HEALTH</b>		PE/ Health		
<b>ELECTIVES</b>			1-2 Electives	2-4 Electives

\*\*\* This is a general map of required courses per grade level. Please refer to this map when selecting courses for next school year. All elective courses and their course descriptions can be found in the 2019-2020 course catalog.\*\*\*

## 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:

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

<b>Units of Credit</b>	<b>Course</b>
4	Theology
4	English
4	Social Studies (students may instead opt for a 3 <sup>rd</sup> year of a WL or 4 <sup>th</sup> year of Math or Science)
3	Mathematics (Algebra I, Algebra II, Geometry)
3	Science (Physics, Chemistry, Biology)
4	Electives
1	Physical Education/ Health
.50	Related Arts
.50	Informational Technology
.50	Service Learning

### Service Learning:

Students accept the challenge and responsibility to follow the example of Jesus Christ by serving the needs of others. Students are required to complete at least 30 hours of service by 2nd Semester of the 11th grade. Additional service hours may be completed in conjunction with school clubs, athletic teams, or through Theology classes.

Students will receive a pass/fail grade on their report card and a half credit on their permanent transcript. A service 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 traditionally rostered to take a ½ credit of Informational Technology and a ½ credit of Related Arts during their freshman year at Lansdale Catholic in order to meet graduation requirements. Students also meet these graduation requirements by taking a full year credit of an Art or Technology class in place of this freshman class at another time. The freshman related arts/tech class satisfies the requirement and no additional courses in this area would be needed.

## **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.

## **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. 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.

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

\*Exemption by your college or university from introductory courses.

\*Eligibility for college honors programs open to students who have received AP recognition.

## 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. Students receive both college credit and AP level credit for each course taken through this program.

**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](http://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.**

**LC9150      INTRODUCTION TO PSYCHOLOGY (Fall)**  
**Grades: 11 – 12**  
**Credit: 1**  
**Level: AP**

**LC9160      INFORMATION TECHNOLOGY CONCEPTS/COMPUTER**  
**APPLICATIONS (Fall)**  
**Grades: 11 – 12**  
**Credit: 1**  
**Level: AP**

**LC9190      COLLEGE WRITING (Fall)**  
**Grades: 11 – 12**  
**Credit: 1**  
**Level: AP**

**LC9180 INTRODUCTION TO PHILOSOPHY (Spring)**  
**Grades: 11 – 12**  
**Credit: 1**  
**Level: AP**

**LC9170 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](http://www.arcadia.edu).

**PLEASE NOTE: As these courses are offered by a partner school, there is an additional cost of \$450 paid to Arcadia University per course.**

**LC9200 INTRODUCTION TO PUBLIC HEALTH (Fall)**  
**Grades: 11 – 12**  
**Credit: 1**  
**Level: AP**

**LC9210 CRIME AND PUNISHMENT (Spring)**  
**Grades: 11 – 12**  
**Credit: 1**  
**Level: AP**

**LC9220 TEACHING AND LEARNING (Spring)**  
**Grades: 11 – 12**  
**Credit: 1**  
**Level: AP**

## **THEOLOGY DEPARTMENT**

**LC0110 THEOLOGY 1**  
**LC0120 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.

**LC0130 INTRODUCTION TO THEOLOGY**  
**Grade: 9-12**  
**Credit: 1**  
**Level: College Prep**

This course provides an overview and understanding of the teachings and traditions of the Roman Catholic Church. Topics will include: Prayer and Holiness, The Church, The Beatitudes, The Blessed Trinity, Divine Revelation, Sacred Scripture, Mary and the Saints, Sacraments, and The Ten Commandments. This course aims to encourage students to engage in daily prayer, discern God's plan for one's life, and participate in the mission of the Church.

**LC0210**      **THEOLOGY 2**  
**LC0220**      **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.

**LC0310**      **THEOLOGY 3**  
**LC0320**      **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.

**LC0410 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.

**LC0510 FAITH IN ACTION (Peer Ministry)**  
**Grade: 12**  
**Credit: 1**  
**Level: Honors**

**Prerequisites: 85 or above in TH III and Department Approval**

Students will come to an understanding of the Roman Catholic Church's teachings on social justice and vocations. In addition, students will learn the basic leadership skills in planning, organizing, and facilitating faith-centered projects at Lansdale Catholic High School and beyond. Students will use these skills to lead student facilitated and organized events at the service of the Church's mission to spread the Gospel and build up the Kingdom of God. Throughout the year, students will put to practice their instruction of Catholic Social Teaching by implementing campus-wide and community social justice education and charity drives. Students are expected to assume active ministerial roles to their peers and leadership roles on campus. This senior year elective satisfies one's required Theology credit.



## ENGLISH DEPARTMENT

Based on the Common Core National Standards, the English Language Arts courses provide a rigorous and increasingly complex exploration of literacy across the students' four years of learning. Exposing students to a wide variety of genres and writing modes within the fiction and non-fiction realms, critical reading and writing tasks equip students with the confidence to "read and comprehend independently and proficiently the kinds of complex texts commonly found in college and careers." Students develop and hone their own voices by examining and modeling discourse throughout narrative, descriptive, expository, and argumentative rhetorical modes. Using the full writing process, emphasis is placed on clarity and precision as each writing assignment moves from the prewriting stage through multiple, formative drafts, to completion, utilizing technology for publication. Students conduct sustained research and participate in a range of collaborative discussions and presentations integrating multiple sources of information in order to take ownership of critical thought. The sequence of ELA courses, including American, British and World literature, reflects the maturation of values and the extension of communication skills for both personal and societal expression.

The latter is reinforced through study of vocabulary, grammar, mechanics, and the conventions of standard English. These foundational skills are strengthened by the web-based language-learning platform, "NoRedInk," which provides adaptive exercises and actionable data for both students and teachers. Khan Academy's SAT analytics and personalized lesson plans additionally supplement language study, providing remediation while encouraging self-motivation and tenacity. Extrapolating data results from the Performance Series testing program further presents instructors with evidence and statistics indicating if and when students need additional personalized instruction.

While all ELA courses prepare students to meet the literacy challenges of college-level study, they also serve the larger goal of cultivating the critical literacy skills necessary for lifelong learning. Beyond their academic lives, students should be able to use these skills for personal satisfaction and responsible civic engagement

**LC1110      ENGLISH LANGUAGE ARTS 1**  
**LC1120      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.

**LC1210 ENGLISH LANGUAGE ARTS 2**

**LC1220 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 literature.

**LC1310 ENGLISH LANGUAGE ARTS 3**

**LC1320 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 National Common Core Standards, this course provides students with the skills and knowledge to become critical readers and writers by analyzing key ideas and details, craft and structure, and the integration of knowledge and ideas in literature and informational text. Students explore short stories, novels, drama, and poetry, with an emphasis on American literature, from Colonial times to 1914. Students strengthen their abilities to produce and distribute quality writing across argumentative, expository, and narrative modes, 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.

**LC1350 AP LANGUAGE AND COMPOSITION**

**Grade: 11**

**Credit: 1**

**Level: AP**

**Prerequisites: 85 or above in ELA II and Department Approval**

The Advanced Placement Language & Composition course cultivates the reading and writing skills that students need for college success and for intellectually responsible civic engagement. The course guides students in becoming curious, critical, and responsive readers of diverse texts, and becoming flexible, reflective writers of texts addressed to diverse audiences for diverse purposes. The reading and writing students do in the course should deepen and expand their understanding of how written language functions rhetorically: to communicate writers' intentions and elicit readers' responses in particular situations. The course cultivates the rhetorical understanding and use of written language by directing students' attention to writer/reader interactions in their reading and writing of various formal and informal genres (e.g., memos, letters, advertisements, political satires, personal narratives, scientific arguments, cultural critiques, research reports).

Reading and writing activities in the course also deepen students' knowledge and control of formal conventions of written language (e.g., vocabulary, diction, syntax, spelling, punctuation, paragraphing, genre). The course helps students understand that formal conventions of the English language in its many written and spoken dialects are historically, culturally, and socially produced; that the use of these conventions may intentionally or unintentionally contribute to the effectiveness or ineffectiveness of a piece of writing in a particular rhetorical context; and that a particular set of language conventions defines Standard Written English, the preferred dialect for academic discourse (*The College Board, 2014 Course Description*). Summer assignments are required.

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

**LC1410 ENGLISH LANGUAGE ARTS 4**

**LC1420 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.

**LC1450 AP ENGLISH LITERATURE**

**Grade: 12**

**Credit: 1**

**Level: AP**

**Prerequisites: 85 or above in ELA III and Department Approval**

English Language Arts 4 is a required course for all twelfth grade students. Reinforcing and expanding upon the writing objectives of the junior year, this course will develop the student's writing skills by examining text types and purposes and by writing arguments to support claims in an analysis of substantive topics or texts. Through the study of American literature, from 1914 to the present, classic and modern, the student is led to explore social, moral, and spiritual values of the past and present. This course will identify and trace the creation and development of the American Dream, asking students to consider what the latter means through a variety of lenses. Expression of the written and spoken word will be honed through extensive class discussion, study of grammar and vocabulary in context, close reading and literary analysis strategies, narrative, compare and contrast, and persuasive modes, as well as research-based essays and projects.

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

**LC1460 PUBLIC SPEAKING/CREATIVE WRITING**

**Grade: 11-12**

**Credit: 1**

**Level: Honors**

**Prerequisites: 85 or above in ELA and Department Approval**

This is a full-year elective course divided into two areas of study. 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. Creative writing allows students to pursue an in-depth study of short stories, poetry, and other forms of creative expression. Working independently and with other students committed to similar projects, each student must write several compositions each quarter and critique his/her own work and that of others.

**LC1480 THEATER ARTS/ FILM STUDIES**

**Grade: 11-12**

**Credit: 1**

**Level: Honors**

**Prerequisites: 85 or above in ELA and Department Approval**

This course is an elective that will explore theatre as a creative idea expressed in performance-art in action. Theatre is a highly collaborative art that requires effort by an ensemble, a group whose individuals function together to create a whole. In the theatre arts portion of the course, 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 also learn and utilize basic theories of acting, along with skills such as improvisation, concentration, effective use of stage areas, and pantomime. They receive an introduction to reading Shakespeare and then read aloud in class (with appropriate actions) a Shakespearean play.

The film studies portion of the course gives students an introduction into cinematography and directorial choices. The course will cover the basics of cinematic elements (framing, camera movement, types of shots, etc.) and theatrical elements (sets, costumes, props, acting choices, and directorial choices) in film. By viewing and analyzing classic films of the twentieth century, students become familiar with the work of renowned Hollywood directors and actors while learning skills in analyzing and critiquing movies.

**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.

**WRITING PORTFOLIO**

**NOTE:** Students are required to submit several articles of writing each semester into their individual writing portfolio. By senior year, each student's portfolio will include several pieces of work including narratives, compare and contrast essays, argumentative essays, research papers, and reflective essays. The purpose of this portfolio is to demonstrate each student's growth in writing over their time at Lansdale Catholic High School.

## HISTORY DEPARTMENT

**LC2110**      **WORLD HISTORY**  
**LC2120**      **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.

**LC2810**      **AMERICAN GOVERNMENT AND POLITICS**  
**LC2820**      **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.

**LC2550**      **AP U.S. GOVERNMENT & POLITICS**  
                  **Grade: 10**  
                  **Credit: 1**  
                  **Level: AP**  
                  **Prerequisite: World History and Department Approval**

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.

**LC2310**      **AMERICAN HISTORY**  
**LC2320**      **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 20<sup>th</sup> 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."

**LC2350**      **AP UNITED STATES HISTORY**  
                 **Grade: 11**  
                 **Credit: 1**  
                 **Level: AP**  
                 **Prerequisite: AP US Government and Politics/ American Government**  
                                 **and Politics and Department Approval**

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.

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

**LC2410**      **COMPARATIVE GOVERNMENT AND POLITICS**  
**LC2420**      **Grade: 12**  
                 **Credit: 1**  
                 **Levels: Honors and 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.

**LC2500**      **CONTEMPORARY AMERICA AND THE WORLD**  
**LC2510**      **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 magazine subscription required that will cost the student approx. **\$25.00**.

\*\*\*Additional History courses are offered online through the JVLA program.  
Please see the back of this catalog for more information.\*\*\*



## **WORLD LANGUAGE DEPARTMENT**

Students learn a world language through the grammatical constructions of reading, writing, listening and speaking. In addition, students 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.

**LC3410      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.

**LC3420      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 are required to purchase the workbook.

**LC3300      SPANISH I**  
**LC3310      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.

**LC3360**      **SPANISH II**  
**LC3320**      **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.

**LC3330**      **SPANISH III**  
                 **Grade: 10-12**  
                 **Credit: 1**  
                 **Level: Honors**  
                 **Prerequisites: 85 or above in Spanish II and department approval**

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.

**LC3340**      **SPANISH IV**  
                 **Grade: 11-12**  
                 **Credit: 1**  
                 **Level: Honors**  
                 **Prerequisites: 85 or above in Spanish III and department approval**

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.

**LC3350 AP SPANISH LANGUAGE AND CULTURE**

**Grade: 12**

**Credit: 1**

**Track: AP**

**Prerequisites: 85 or above in Spanish III and department approval**

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.

**LC8210 ONLINE FRENCH I**

**Grade: 9-12**

**Credit: 1**

**Level: Honors**

*Offered online through Educere; additional fees apply. For more information please visit [www.educere.net](http://www.educere.net).*

**LC8220 ONLINE FRENCH II**

**Grade: 10-12**

**Credit: 1**

**Level: Honors**

**Prerequisite: French I**

*Offered online through Educere; additional fees apply. For more information please visit [www.educere.net](http://www.educere.net).*

\*\*\*Additional World Language courses are offered online through the JVLA program. Please see the back of this catalog for more information.\*\*\*

## 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. 9<sup>th</sup> grade students entering Lansdale Catholic High School who completed the Honors Algebra program in 8<sup>th</sup> grade and passed the Diocesan final exam or school placement test are generally rostered to take Honors Algebra II.
3. Students who take Algebra I their freshman year but are interested taking Calculus in the 12<sup>th</sup> grade are encouraged to double up in math during the 10<sup>th</sup> or 11<sup>th</sup> grade with departmental approval.
4. Students who take Honors Algebra II their freshman year and are interested taking Calculus BC in the 12<sup>th</sup> grade are encouraged to double up in math during the 10<sup>th</sup> grade with departmental approval.

### Traditional Math Curriculum Map per Academic Level

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

- 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 TI84CE (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 through Pre-Calculus.

**LC4110      ALGEBRA I**  
**LC4120      Grade: 9**  
**LC4130      Credit: 1**  
**Levels: Honors, College Prep, and Academic**

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 factoring, 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.

**LC4310      ALGEBRA II**  
**LC4320      Grade: 9 - 10**  
**LC4330      Credit: 1**  
**Levels: Honors, College Prep, and Academic**  
**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.

**LC4210      GEOMETRY**

**LC4220      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 congruence 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.

**LC4410      PRE-CALCULUS/TRIGONOMETRY**

**LC4420      Grade: 10-12**

**Credit: 1**

**Levels: Honors and College Prep**

**Prerequisites: Algebra II and Geometry or Geometry concurrently**

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.

**LC4510      CALCULUS**

**Grade: 11-12**

**Credit: 1**

**Level: Honors**

**Prerequisite: Honors Pre-Calc/Trig and department approval**

This course is designed to introduce students to the concepts and applications of Calculus. It covers topics that students will encounter in a first semester Calculus I course. These concepts include both differential and integral calculus including limits, derivatives, definite integrals and applications of each, and the Fundamental Theorem of Calculus.

**LC4550 AP CALCULUS AB**

**Grade: 11-12**

**Credit: 1**

**Level: AP**

**Prerequisites: Honors PreCalc, qualifying test, and department approval**

AP Calculus is designed to be comparable to a first semester college Calculus I course. This course provides students with a thorough understanding of the concepts and applications of calculus. The AP course covers topics in both differential and integral calculus including limits, derivatives, definite integrals and applications of each, and the Fundamental Theorem of Calculus. Students will be able to approach all concepts from a graphical, numeric, analytic, and verbal perspective.

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

**LC4710 STATISTICS**

**Grade: 11-12**

**Credit: 1**

**Level: Honors**

**Prerequisites: 80 or above in Honors Algebra II or 86 or above in College Prep Algebra II and department approval**

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.

**LC4750 AP STATISTICS**

**Grade: 11-12**

**Credit: 1**

**Level: AP**

**Prerequisites: 85 or above in Honors Algebra II or 91 or above in College Prep Algebra II, qualifying test, and department 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.

**LC4650 AP CALCULUS BC****Grade: 12****Credit: 1****Level: AP****Prerequisites: 80 or above in AP Calculus or 86 or above in Honors Calculus, and department approval**

This course follows the AP syllabus. AP Calculus BC extends the content learned in AB to different types of equations (polar, parametric, vector-valued) and new topics (such as Euler's method, integration by parts, partial fraction decomposition, and improper integrals), and introduces the topic of sequences and series. The AP course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions.

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

**LC450 AP COMPUTER SCIENCE A****Grade: 11-12****Credit: 1****Level: AP****Prerequisite: 85 or above in Algebra II and Departmental Approval**

AP Computer Science A is equivalent to a first-semester, college-level course in computer science. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. The AP Computer Science A course curriculum is compatible with many CS1 courses in colleges and universities.

**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. Additionally, a Science Lab fee of \$25 is assessed of each student enrolled in a science class.

### **LC5510      HONORS PHYSICS 9**

**Grade: 9**

**Credit: 1**

**Level: Honors**

Physics 9 is an introductory course for the first year high school student who is also enrolled in Honors Algebra I or Honors Algebra II. This course 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. One formal lab report is required each semester.

### **LC5520      PHYSICS 9**

**LC5530      Grade: 9**

**Credit: 1**

**Level: College Prep and Academic**

Physics 9 is an introductory course for the first year high school student who is rostered in Algebra I. 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. One formal lab report is required each semester.

### **LC5010      HONORS BIOLOGY**

**Grade: 10-12**

**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.

**LC5020      BIOLOGY**  
**Grade: 10-12**  
**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.

**LC5550      AP BIOLOGY**  
**Grade: 11-12**  
**Credit: 1**  
**Level: AP**  
**Prerequisites: 90 or above in Biology, qualifying test, and 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.

**LC5310      HONORS CHEMISTRY**  
**Grade: 9-11**  
**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.

**LC5320 CHEMISTRY**

**Grade: 10-12**

**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.

**LC5330 CONCEPTUAL CHEMISTRY**

**Grade: 10-12**

**Credit: 1**

**Level: Academic**

**Prerequisite: Department approval**

This course is designed to give the student knowledge of the nature of matter and its reactions. The use of principles to solve chemical problems is also stressed. The major themes in this course are the phases of matter, the atomic theory, and the understanding and use of the Periodic Table. Emphasis will also be placed on the basic mathematical skills applied to chemistry. Students will participate in laboratory exercises. Students will be chosen for this class based on their previous math and science grades.

**LC5360 AP CHEMISTRY**

**Grade: 11-12**

**Credit: 1**

**Level: AP**

**Prerequisites: 85 or above in Chemistry, qualifying test, 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, thermochemistry, 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.

**LC5410 HONORS PHYSICS**

**Grade: 11-12**

**Credit: 1**

**Level: Honors**

**Co-requisites: Hon Pre-Calc/Tri and 85 or above in Hon Algebra II**

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, electricity, and light. One formal lab report is required each semester.

**LC 5420 PHYSICS**

**Grade: 11-12**

**Credit: 1**

**Level: College Prep**

**Prerequisite: 80 or above 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, electricity, 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.

**LC5480 AP PHYSICS C (Calculus Based)**

**Grade: 12**

**Credit: 1**

**Level: AP**

**Co-requisites: Honors Calculus I/AP Calculus I and department approval**

This is a college level, Calculus based, introductory course recommended for a junior or senior who has a strong commitment to pursue a career in any engineering, science, technology, or pre-med field. It will involve both experimental and classroom studies into the analysis of Newtonian Mechanics. The student is required to take the Physics C Mechanics Exam. Students must also have completed or be concurrently enrolled in Honors Level Calculus or Advanced Placement Calculus.

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

**LC5620 ENVIRONMENTAL SCIENCE**

**Grade: 11-12**

**Credit: 1**

**Level: College Prep**

**Prerequisite: Successful completion of Biology and Chemistry**

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.

**LC5650 AP ENVIRONMENTAL SCIENCE**

**Grade: 11-12**

**Credit: 1**

**Level: AP**

**Prerequisites: 80 or above in Biology, Chemistry, and dept. 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.

**LC5640 ANATOMY & PHYSIOLOGY**

**LC5630 Grade: 11-12**

**Credit: 1**

**Levels: Honors and College Prep**

**Prerequisites: 85 or above in H-Biology/H-Chemistry or 80 or above in College Prep 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.

**LC5710 FORENSICS/CRIMINAL JUSTICE**

**LC2710 Grade: 11-12**

**Credit: 1**

**Levels: Honors and College Prep**

**Prerequisites: 85 or above in Biology and department 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 a lab book/ workbook.

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.

### **STEM CERTIFICATE PROGRAM**

The STEM Certificate Program is an Honors level program offering rigorous exposure to all the STEM disciplines. Students must apply for entrance into this program either based on overall academic performance or after completion of Honors level STEM courses.

Standardized test scores, previous course performance, and teacher recommendations serve as the benchmark into this program. Eligible students must meet the following ongoing criteria:

- Receive a cumulative average of 90 or higher in all STEM courses
- Complete at least one Honors level STEM course across all four of the following disciplines (Science, Math, Engineering, Technology)
- Complete at least 5 AP or Dual Enrollment STEM courses between the 10<sup>th</sup> and 12<sup>th</sup> grade.
- Attend outside STEM workshops and lectures

## **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 course
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)*

### **LC6300 INFORMATION TECHNOLOGY**

**Grades: 9**

**Credit: 0.5**

**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.

### **LC6090 ACCOUNTING**

**Grades: 11-12**

**Credit: 1**

**Level: Honors**

**Prerequisite: 85 or above 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

**LC6720      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

**LC6820      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.



**LC6910 HONORS BUSINESS ECONOMICS**

**Grade: 11-12**

**Credit: 1**

**Level: College Prep**

This course will focus on the principles of economics and how they relate to each other and how they are applied to consumer choices, business decisions, and within the domestic economy. Students will examine the role of public/private sectors, markets, market structures, economic indicators, and fiscal and monetary policies as they relate to the U.S. and global economy.

**LC6400 COMPUTER PROGRAMMING**

**Grade: 11-12**

**Credit: 1**

**Level: College Prep**

**Prerequisite: 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.

**LC6510 WEB TECHNOLOGY**

**Grade: 11-12**

**Credit: 1**

**Level: College Prep**

The Web Design course is an introductory course to the fastest growing industry of web site design and development. The materials in this course will provide students with a solid understanding of the entire web site development process. The students will learn to use different programs to design and publish web sites. Throughout this course, the students will use the Internet to aid in their learning process. It will also introduce the basics of how business is conducted with the Internet, whether it is from business-to-business or consumer-to-consumer. Students will learn a concept and apply through hands-on step-by-step activities and web site visits.

- Adobe Dreamweaver
- Adobe Photoshop
- Adobe Flash

## FINE ARTS DEPARTMENT

**LC7010      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 **\$60.00 fee** for Art I.

**LC7020      ART II**  
**Grade: 10 - 12**  
**Credit: 1**  
**Level: Honors**  
**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 **\$60.00 fee** for Art II.

**LC7030      ART III and IV/PORTFOLIO PREP**  
**LC7040      Grade: 11-12**  
**Credit: 1**  
**Track: Honors**  
**Prerequisites: 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 **\$60.00 fee** for Art III and Art IV.

**LC7300      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 art of music through theory, history and performance. Course requirements include homework, tests, performance exercises and assessments. The course is rostered with Informational Technology I the opposite semester.

**LC7350      AP STUDIO ART DRAWING**  
**Grade: 11 - 12**  
**Credit: 1**  
**Level: AP**  
**Prerequisites: Art I, Art 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.

**LC7360      AP STUDIO ART 2D DESIGN**  
**Grade: 11 - 12**  
**Credit: 1**  
**Track: AP**  
**Prerequisites: Art I, Art 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.

**LC7500**      **CHORUS I**  
**Grade: 9 - 12**  
**Credit: 1**  
**Level: College Prep**

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 **\$60.00 fee** for Chorus I.

**LC7510**      **CHORUS II, III, IV**  
**LC7520**      **Grade: 10 - 12**  
**LC7530**      **Credit: 1**  
**Level: Honors**  
**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 **\$60.00 fee** for Chorus.

**LC7600**      **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 **\$60.00 fee** for Instrumental Music I.

**LC7610 INSTRUMENTAL MUSIC II, III, IV**  
**LC7620 Grade: 10 - 12**  
**LC7640 Credit: 1**  
**Level: Honors**  
**Prerequisite: Instrumental Music I (II, III)**

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 **\$60.00 fee** for Instrumental Music.

**LC7700 AP MUSIC THEORY**  
**Grades: 11 - 12**  
**Credit: 1**  
**Level: AP**  
**Prerequisites: 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.

## **PHYSICAL EDUCATION DEPARTMENT**

**LC0010**

### **PHYSICAL EDUCATION/ HEALTH**

**Grade: 10-12**

**Credit: 1**

**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 t-shirt is required for class.

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

Traditionally PE/ Health was taught as separate subjects; however, Lansdale Catholic High School merges both content areas into one course where the students earn the one required credit required for graduation.

**LC0030**

### **EXTENDED DAY PE & HEALTH**

**Grade: 10 – 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.**

**LC0040**

**PERSONAL TRAINING/STRESS MANAGEMENT (Fall)**

**Grade: 11 – 12**

**Credit: 0.5**

**Level: College Prep**

**Prerequisites: PE/ Health and Department Approval**

This course is designed for students who wish to improve their physical activity and reduce stress in their lives. Students will develop personal fitness goals, and create an individual fitness plan. Instruction will include various areas of fitness including: Nutrition, Weight Training, Yoga, and other training techniques. Students will learn about stress, its triggers, and various ways to cope with its impact on daily life at all levels. A gym uniform required for this class.

**LC0050**

**COACHING AND OFFICIATING (Spring)**

**Grade: 11 – 12**

**Credit: 0.5**

**Level: College Prep**

**Prerequisites: PE/ Health and Department Approval**

This course is designed for students with an interest in Coaching and/or Officiating an organized team sport in their future. Course content includes the rules and regulation that govern various sports at different levels of competition. A gym uniform required for this class.

## **JVLA ONLINE COURSES**

Lansdale Catholic is proud to partner with the Jesuit Virtual Learning Academy (JVLA) to offer the following courses to students in the 11<sup>th</sup> and 12<sup>th</sup> grades. The student may take one of following courses each semester. Course descriptions are located at [www.jvla.org](http://www.jvla.org).

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.**

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

**Grades: 11 – 12**

**Credit: 1**

**Level: Honors**

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

**Grades: 11 – 12**

**Credit: 1**

**Level: Honors**

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

**Grades: 11 – 12**

**Credit: 1**

**Level: Honors**

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

**Grades: 11 – 12**

**Credit: 1**

**Level: Honors**

**BIOETHICS (Fall) & STATISTICAL REASONING IN SPORTS (Spring)**

**Grades: 11 – 12**

**Credit: 1**

**Level: Honors**



**BIOETHICS (Fall) & STATISTICAL REASONING IN SPORTS (Spring)**  
**Grades: 11 – 12**  
**Credit: 1**  
**Level: Honors**

**AP MICROECONOMICS (Fall) & AP MACROECONOMICS (Spring)**  
**Grades: 11 – 12**  
**Credit: 1**  
**Level: Honors**

**AP COMPARATIVE GOVERNMENT & POLITICS (Full Year Course \$370)**  
**Grades: 12**  
**Credit: 1**  
**Level: AP**

**LATIN I- (Full Year Course- \$370)**  
**Grades: 9 – 12**  
**Credit: 1**  
**Level: Honors**

**ADVANCED ITALIAN (Full Year Course- \$370)**  
**Grades: 11-12**  
**Credit: 1**  
**Level: Honors**

**CHINESE MANDARIN I (Full Year Course- \$370)**  
**Grades: 9-12**  
**Credit: 1**  
**Level: Honors**

## **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.

### **LC8132      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.

### **LC8882      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 courses must see Mrs. Graham in the Guidance Office during the Course Selection process. Programs of study vary among school districts.

**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