

2021/2022 Curriculum Handbook



Cardinal Newman High School

512 Spencer Drive
West Palm Beach, FL 33409
www.cardinalnewman.com

CARDINAL NEWMAN HIGH SCHOOL



Mission Statement

*"The glory of God is the human person fully
alive."*

-St. Irenaeus

The Mission of Cardinal Newman High School is to educate the whole person: spirit, mind, and body, and to help all students develop their God-given talents according to the gospel values of Jesus Christ.

This edition of the Curriculum Handbook of Cardinal Newman High School is designed to present to students and parents a description of the courses offered for the school year 2021/2022.

It is extremely important to note the information given in this booklet. The academic regulations are important in light of a student's continuing to matriculate at Cardinal Newman; they are also the key to the final goal of our students - graduation. The course descriptions are important not only for the present but also for the future. Many courses have prerequisites which depend upon performance in a previous course. Poor achievement in a certain course may have future implications, e.g., it may disqualify a student from enrollment in a future course or from graduation from high school.

The curriculum outlined herein presupposes that a certain number of students will sign up for the courses. Any offering listed which has insufficient registration may be canceled.

*Cardinal Newman High School is accredited by the
Southern Association of Colleges and Secondary Schools.*

CEEB Code 101835.

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I. CREDIT REQUIREMENTS - GRADES 9-12

The graduation requirements at Cardinal Newman High School are based on local school policy, standards of the Florida State Board of Education, and the accreditation standards of AdvancED, the largest community of educational professionals in the world, which includes the Southern Association of Colleges and Schools. Each year the student must take 14 semester units. Failure in any state requirement necessitates make-up credit during the remediation period approved by the administration. Remediation is required for any failure in Grade 9. For grades 10, 11, 12, remediation is required for failure in any required course and for any failure in any elective needed to complete the annual 12 passed semester units. Remediation is not required but strongly recommended for grades 10, 11, 12, for failures in electives whose credit is not required to complete the annual 12 passed semester units. All registration for remediation requires official permission from CNHS administration. The student's permanent record will reflect grades for all remediation classes and, in courses made up for failures, appropriate passed credit. Remediation grades are not used in compilation of honor roll. All remediation is done through the Florida Virtual School.

Religion	4.0 cr	8 semester units		Health Opportunities through PE (H.O.P.E.)**	0.5 cr	1 semester unit
English	4.0 cr	8 semester units		Physical Education**	0.5 cr	1 semester unit
Foreign Language	2.0 cr	4 semester units				
Mathematics	4.0 cr	8 semester units		Performing Arts or Practical Arts*	1.0 cr	2 semester units
Science***	4.0 cr	8 semester units				
Social Studies***	4.0 cr	8 semester units		Community Service	0.5 cr	100 hours

* 1.0 credit in a Performing Art or Practical Art.

Students enrolled in Band/Chorus/CSIT, including transfer students will make up speech as scheduling permits.

Dance may satisfy the Performing Arts or PE ½ credit.

** 0.5 credit Health Opportunities through P.E. (H.O.P.E.)

A student enrolled in Band/Chorus/CSIT for all four years, or an I.B. Diploma Programme student enrolled in Band, is excused from H.O.P.E. The course must be completed if the student drops I.B., Band, Chorus, or CSIT.

Additional P.E. credits are electives for students.

*** Students will be permitted to graduate with 3.0 credits of Social Studies or Science starting with the Class of 2023. This deviation from the 4.0 required credits is only permissible if the student is approved for an additional core academic elective.

A student needs a minimum of 25 credits to graduate. The remaining credits may be chosen from the electives offered.

NOTE: Adjustment of credit requirements will be made for transfer students, as necessary. The school reserves the right to determine transferred course levels and weighting factors. Cardinal Newman High School cannot remove credits earned by students at other educational institutes. Students who take high school courses and transfer them in must realize that they are beginning a high school transcript that will affect their high school GPA.

**Cardinal Newman students are not permitted to graduate
before completion of the eighth semester in their senior year.**

II. FLORIDA BRIGHT FUTURES SCHOLARSHIP PROGRAM

Students planning on attending a Florida college may qualify for the Florida Bright Futures Scholarship Program. The State examines this program regularly and may change requirements. Consult: www.firn.edu/doe/brfutures/acadrequire.htm.

III. INTERNATIONAL BACCALAUREATE PROGRAM (IB)

As an International Baccalaureate School (IB), Cardinal Newman offers its students the opportunity to earn this prestigious diploma in addition to our own.

"The International Baccalaureate Program (IB) is a rigorous pre-university program leading to assessments in six subject areas. Established in 1968, the IB offers a challenging curriculum noted for its depth and international perspective. The two-year IB Diploma Program provides a coherent and demanding educational experience across the full curriculum. Beyond completing college-level courses and examinations, IB students are also required to engage in community service, individual research, and an inquiry into the nature of knowledge. The IB diploma is accepted as an admissions credential at universities in 102 countries. In addition, high scores in IB exams often entitle students to credit or placement at university." *International Baccalaureate Organization*

Cardinal Newman will not be offering the International Baccalaureate Program in the future. IB students in the 12th grade will be finishing their course curriculum to complete the program in the 2021/2022 school year. The IB Diploma Program is intended as a complete two-year program composed of 7 academic subjects. Students who fail an IB course may be asked to withdraw from the IB program.

Course Selection for Grade 12 IB Students: *There will be an additional fee for IB students. 2021/2022 Seniors \$1,750*

Grade 12
Religion/Theory of Knowledge
IB English H.L.
Spanish S.L.
IB Mathematics S.L.
IB Biology H.L.
IB History of Americas H.L.
IB Visual Arts S.L. IB Music S.L.

IV. COURSE OF STUDY

State universities in Florida, as well as many other colleges and universities, require two consecutive years of a foreign language for admission. Two years of study of the same foreign language is required for entrance to a four-year university. Some University's may require more than two years. If a 9th grade student enters Cardinal Newman with a high school credit in Foreign Language or has passed the Language Placement test, he/she is placed in the second year of that language, and in the 10th grade may continue in the third year of that language.

Learning Difficulties

Cardinal Newman High School offers **ACCOMMODATION PLANS** THAT WILL ADDRESS TO PROVIDE REASONABLE ACCOMMODATIONS TO STUDENTS WITH DOCUMENTED LEARNING DIFFERENCES. The Learning Strategies class offers **accommodations** to students to address a range of needs in order to enhance their learning experience at CNHS.

Cardinal Newman High School complies with the mandate of Section 504 of the Rehabilitation Act which prohibits discrimination on the basis of disability in certain programs and activities. Pursuant to the requirements of the Rehabilitation Act, Cardinal Newman High School will make those minor adjustments that can accommodate students with disabilities to the school's educational programs and activities.

The school's designated 504 coordinator and contact information are as follows:

John Clark, (561)775-9532. Parents with questions regarding the school's disability accommodations or related items should contact the 504 coordinator.

Parents may file a grievance as to any decisions related to a disability accommodation and request an internal hearing and review by sending a written notice addressed as follows:

Gary Gelo
 Diocese of Palm Beach
 Superintendent of Schools
 9995 North Military Trail
 Palm Beach Gardens, FL 33410

The internal hearing and review will seek the prompt and equitable resolution of disability discrimination complaints.

Cardinal Newman does not offer special education classes, 504, or IEP programs. The purpose of the Learning Strategies class is to provide **accommodations** along with corrective and remedial strategies as well as resources and materials needed to address a range of ability levels and learning styles.

A learning specialist is available for reading and learning issues and providing tutorial assistance for individuals and small groups. Students may be required to enroll in Intensive Reading and/or Intensive Math class for additional support.

Cardinal Newman High School will provide reasonable accommodations for students with documented learning differences. Students eligible for accommodations are those who have undergone a psychoeducational evaluation and have been found to have a Specific Learning Disability. Documentation must state the specific disability as well as the possible accommodations to meet the needs describe. The student is to be diagnosed by a licensed psychologist or in some cases a medical doctor, and the documentation needs to be current within the past three years. The most beneficial times for testing a student with special needs would be in the 8th grade in preparation for the transition to high school and before the Fall of the 10th grade for PSAT/SAT and ACT Tests and College Board documentation. Please note that only the College Board and ACT have the authority to grant extended time for their exams. Documentation does not automatically grant extended time with the College Board or ACT.

Information regarding the appropriate documentation is available from the Learning Strategies team and Guidance counselors. Once received, the appropriate documentation will be contained in the student's confidential personal file and the Learning Strategies team will draw up an **accommodation plan** to be signed by the school, parents, and the student. In addition, tutoring sessions held during flex time or after school may be mandated.

In order for the student to be successful, the full cooperation of all persons involved is essential.

Academic Requirements

GRADE 9

- **1.0 Religion** - Old Testament 0.5, New Testament 0.5
- **1.0 English** - Regular/Honors
- **1.0 Foreign Language** – Spanish, Regular/Honors; or
Learning Strategies/Intensive Reading/Intensive Math
- **1.0 Math**; Algebra I Regular; or Algebra II Regular/Honors
- **1.0 Biology** Regular/ Honors
- **1.0 Social Studies** – World History, Regular/Honors
- **1.0 Band/Chorus** or
0.5 Applied Computer Skills/0.5 Speech/0.5 Art I Introduction to Visual Art
0.5 Health/PE

Academic Requirements

GRADE 10

- **1.0 Religion** - Morality/Ethics 0.5; Sacraments and Liturgy 0.5
- **1.0 English** - Regular/Honors
- **1.0 Foreign Language** - Spanish, Regular/Honors; or **Learning Strategies/Intensive Math/Reading**
- **1.0 Math** - Algebra I - Regular; Geometry - Regular/Honors; Algebra II - Regular/Honors
- **1.0 Chemistry** - Regular/Honors; Chemistry - Regular/Honors/AP
- **1.0 U.S. History to 1900** - AP/Regular
- **1.0 Band/Chorus/ or Speech-Debate 1.0; or Personal Fitness (HOPE) 0.5 or CSIT Foundation I 0.5**
 or CSIT Foundation II 0.5
0.5 Art I Introduction to Visual Art

Academic Requirements

GRADE 11

- **1.0 Religion** - Catholic Social Teaching/Service Learning 0.5; Honors Catholic Social Teaching 0.5; Church History Regular/Honors 0.5
- **1.0 English** - Regular / AP/IB
- **1.0 Math** - Geometry - Regular/Honors; Pre-Calculus - Regular/Honors; Algebra II - Regular/Honors
- **1.0 Chemistry** - Regular/Honors/AP; Environmental Science - Regular/AP; Anatomy & Physiology - Regular/Honors; Marine Science - Regular/Honors - Physics Honors
- **1.0 Social Studies** - Twentieth Century History Regular; A.P. US History
- **2.0 Electives**

ELECTIVES

Refer to List of Electives for Grade 12.

Academic Requirements

GRADE 12

- **1.0 Religion** - Social & Family Relationships 0.5; World Religions - Regular/Honors 0.5; Honors Christian Living 0.5
- **1.0 English** - Regular/AP/IB
- **1.0 Math** – Calculus – Honors/AP; Pre-Calculus - Regular/Honors; Algebra II - Regular/Honors; Probability & Statistics with Applications - Honors/AP; Mathematics for College Readiness
- **1.0 Science** - Physics Honors; Anatomy - Regular/Honors; Marine Science - Regular/Honors; Environmental Science - Regular/AP; Chemistry AP
- **1.0 Social Studies** - Economics - Regular, 0.5; American Government, 0.5; AP Human Geography; AP US Government/Politics, 0.5
- **2.0 Electives**

CARDINAL NEWMAN OFFERS A WIDE VARIETY OF ELECTIVES

1.0 AP Human Geography		1.0 AP Psychology
1.0 AP Studio Art	0.5 Applied Robotics	0.5 Art I Intro to Visual Arts
1.0 Band	1.0 Chorus I	1.0 Chorus II
0.5 Contemporary Literature/Film	0.5 Creative Writing I	0.5 CSIT Foundations I
0.5 CSIT Foundations II	1.0 CSIT III: AP Computer Science Principles	0.5 Dance Team - After school
Drawing I	Drawing II	0.5 Explorations in Engineering
0.5 Fitness for Life	0.5 Foundations of Robotics	1.0 Honors International Relations
1.0 Intensive Math I, II	1.0 Intensive Reading	0.5 Jazz Ensemble - After school
0.5 Journalism I (Yearbook)	0.5 Journalism II (Yearbook)	0.5 Life Skills
0.5 Painting I	0.5 Painting II	1.0 Beg. /Inter. Percussion
1.0 Advanced Percussion	1.0 Spanish - Regular/Honors/AP	0.5 Speech I
1.0 Speech/Debate I	0.5 Team Sports 1,2	0.5 Weight Training 1, 2, 3

CARDINAL NEWMAN IS PROUD TO OFFER THE FOLLOWING

ADVANCED PLACEMENT (AP) HONOR COURSES:

Students will need to be signed into AP Courses by their current level teacher.

AP students are highly encouraged to take the AP exam.

AP courses are college level courses, students may earn college credit by signing up and taking the AP Exam during May at the end of the AP course. Colleges will award credit for the college class depending on the grade. AP Exam grades are on a scale of 1-5. Students must check with the college they plan to attend to see what grade requirement they must meet. Colleges have a range of 3-5 for awarded credit.

AP English Language & Composition	AP English Literature & Composition
AP Environmental Science	AP Calculus AB
AP Chemistry	AP US History to the 1900's
AP Statistics	AP US Government/Politics
AP US History	AP Human Geography
AP Spanish Language	
AP Psychology	
AP Studio Art	

Guidance will contact students enrolled in these courses for registration and payment for the AP Exam in the fall of the year of the course.

CARDINAL NEWMAN OFFERS THE FOLLOWING HONORS CLASSES:

Students are signed into the higher-level classes by their current level teachers.

Honors Algebra II	Honors English 1,2
Honors Calculus	Honors International Relations
Honors Geometry	Honors World History
Honors Pre-Calculus	Honors Catholic Social
Honors Anatomy & Physiology	Honors Christian Living
Honors Biology	Honors Church History
Honors Chemistry	Honors World Religions
Honors Marine Science	Honors Physics
Honors Spanish 1, 2, 3, 4, 5	

STEM OPTIONS (Science, Technology, Engineering, Mathematics)

Students interested in exploring a STEM curriculum are encouraged to take as many of the following courses that their schedule will allow:

Honors Physics	Applied Robotics
Honors Chemistry	Foundations of Robotics
AP Chemistry	Honors Calculus
CSIT Foundations I	AP Calculus AB
CSIT Foundations II	AP Statistics
CSIT III: AP Computer Science Principles	

ART:

AP Art History 1.0
Creative Photography 1.0
Art History and Criticism 1.0

HEALTH/PHYSICAL EDUCATION:

Fitness Lifestyle Design 0.5

MATHEMATICS:

Advanced Placement Calculus BC 1.0
Liberal Arts Math 1.0

RESEARCH & CRITICAL THINKING:

Critical Thinking and Study Skills 0.5

SOCIAL STUDY:

Advanced Placement Macroeconomics 1.0
Law Studies 0.5
Psychology I 1.0
Sociology 0.5

BUSINESS TECHNOLOGIES:

Computing for College & Careers 1.0
Foundations of Web Design 1.0 Personal &
Family Finances 0.5
Web Design 1.0

FOREIGN LANGUAGE:

Chinese 1, 2, 3 1.0
Latin 1, 2, 3 1.0
Spanish for Spanish Speakers 1.0
French 1, 2

MUSIC:

Guitar 1 1.0

SCIENCE:

Advance Placement Biology 1.0
Forensic Science 1.0
Earth Space Science 1.0
Physical Science 1.0

STEM COMPUTER PROGRAMMING/ COMPUTER SCIENCE:

Advanced Placement Computer Science 1.0
Computer Programming 1.0

A. Honor Course/AP Course Requirements

Students wishing to qualify for Honors Courses or AP Courses must meet established course requirements set by the specific departments.

B. Learning Strategies Requirements

Only students whose grade point averages, standardized test scores, or specific course grades indicate the need for strengthening academic skills will be placed in Learning Strategies. Student progress will be monitored carefully, and student placement reevaluated at the end of each semester.

C. Course/Schedule Changes

Students are advised to think carefully before choosing their courses for the coming year. Parents are asked to sign the student course request sheet indicating their approval of the student's choices. Upperclassmen receive priority in scheduling. **Since offerings are dependent upon, among other things, student selection, in order to be fair to all, students will not be allowed to change classes once rosters are finalized. NO COURSE CHANGES MAY BE REQUESTED DURING THE SUMMER.**

There is a one-week period for changes due to the following:

1. Incorrect class assignment
2. Graduation requirement
3. Level Change (i.e., Advanced Placement, Honors, Regular, etc.)
4. All band/chorus courses are year-long offerings and though they are electives may not be dropped at semester as this will be disruptive to the students of these classes.

D. Homework

Students and parents should realize that in addition to written homework, a student has an obligation to study for each class every night. We recommend that for each course the student spend one-half hour every night. If a student is absent for more than two days, he/she should contact the Guidance Counselor or check on-line for assignments.

E. Standardized Tests

Students at Cardinal Newman must take a series of standardized tests throughout their period of enrollment. The PSAT/NMSQT is required for 9th, 10th, and 11th grades. The fees for these tests are included in the student registration fee. Other standardized tests or information about such tests may be obtained in the Guidance Office.

The 11th and 12th graders are encouraged to take the ACT and the SAT, for which they must register with the company and take on National Test Dates on Saturdays. Advanced Placement tests are encouraged for students enrolled in AP courses. These exams are administered in May.

Students must register for AP test through Guidance.

Fees for AP test changes each year.

IB students in second year of the program will sit for tests in May.

Registration for IB test included in IB fee.

F. Dual Enrollment

Students interested in Dual Enrollment must work with the Guidance Department. The following area colleges offer opportunities for dual enrollment on their respective campuses. All colleges charge a fee for Dual Enrollment.

1. **Palm Beach State College** offers dual enrollment to students who have a 3.0 or higher GPA. Interested students must see their counselor. PBSC courses are taken on PBSC campus.
2. **Palm Beach Atlantic College:** see counselor.
3. **Florida Atlantic University:** see counselor.

4. **St. Thomas University:** Dual Enrollment classes are offered on the Cardinal Newman Campus in designated English, Foreign Language, and Religion classes. There is an additional fee charged by the University. The liaison for St. Thomas Dual Enrollment is a Cardinal Neman employee who works with the students and instructors. Cardinal Newman offers ten classes in Dual Enrollment through St. Thomas.

G. Academic and Conduct Report Card Comments

Excellent Conduct
Satisfactory Conduct
Conduct Needs Improvement
Unsatisfactory Conduct

H. Report Card Grades and Numerical Equivalents:

A = 90-100	C+ = 77-79	D+ = 67-69	Inc. = Incomplete
B+ = 87-89	C = 70-76	D = 60-66	Inc. F = Incomplete/Failure
B = 80-86		F = 0-59 (Failure)	

I. Final Averages

Semester grades are determined using the following formula: Quarter grade (40%), Quarter Grade (40%), Semester Exam (20%). Year-Long courses thus conclude with two semester grades.

J. Honor Roll

The Honor Roll is posted at the end of each quarter grading period. The Honor Roll is comprised of three levels of recognition based upon achievement.

<i>Principal's List</i>	<i>1st Honors</i>	<i>2nd Honors</i>
Straight "A's" in all subjects	3.75 GPA No grade below a "C" No exceptions, no incompletes	3.50 GPA No grade below a "C" No exceptions, no incompletes

Quality points are assigned as follows:

A = 4.0	B+ = 3.5	C+ = 2.5	D+ = 1.5	F = 0
	B = 3.0	C = 2.0	D = 1.0	

K. Class Rank

Class rank is determined by the cumulative grade point average. In computing both honor roll and class rank averages, passing marks in honors classes receive additional weight: 1 quality point, 2 quality points for AP, and Dual Enrollment.

For the purpose of senior awards, including valedictorian and salutatorian, GPA and class ranking are based on records of students who have been enrolled in Cardinal Newman as of the first semester of their sophomore year.

L. Academic Probation

Students will be placed on Academic Probation in any quarter or semester they fail two or more classes and/or their quarter or semester average results in a 1.5 or lower Grade Point Average. Students who fail two or more courses in any semester and/or who are on Academic Probation for two consecutive quarters may be required to withdraw from Cardinal Newman High School.

M. International Students

All international students are charged an additional \$325 for processing or \$525 for a family of the international forms through the Diocese.

All International students must have their official transcript translated by an accrediting agency in the United States.

Course Selection Outline

Theology	College Prep./Honors	Advanced Placement
9th Grade	Old Testament (0.5) New Testament (0.5)	
10th Grade	Sacraments & Liturgy (0.5) Morality & Ethics (0.5)	
11th Grade	Catholic Social Teaching (0.5) Honors Catholic Social Teaching (0.5) History of Christian Thought I (0.5) Honors History of Christian Thought I (0.5) <i>Option for Dual Enrollment for both honors courses</i>	
12th Grade	History of Christian Thought II (.5) Honors History of Christian Thought II (.5) World Religions (0.5) Honors World Religions (.5) <i>Option for Dual Enrollment for both honors courses</i>	TOK (1.0)

Course Selection Outline

English	College Prep./Honors	Advanced Placement
9th Grade	English I (1.0) Honors English I (1.0)	
10th Grade	English II (1.0) Honors English II (1.0)	
11th Grade	English III (1.0) Honors/DE English III (1.0)	AP English III (1.0)
12th Grade	English IV (1.0) Honors/ DE English IV (1.0)	AP English IV (1.0) English IV (1.0)

Learning Strategies		
9th Grade	Learning Strategies (1.0) Intensive Math (1.0) Intensive Reading (1.0)	
10th Grade	Learning Strategies (1.0) Intensive Math (1.0) Intensive Reading (1.0)	

Social Studies	College Prep./Honors	Advanced Placement
9th Grade	World History (1.0) Honors World History (1.0)	AP World History (1.0)
10th Grade	U.S. History (1.0)	A.P. U.S. History (1.0)
11th Grade	American Government (.5) Economics with Financial Literacy (.5)	A.P. U.S. Government & Politics# (1.0)
12th Grade	Elective (from the list below)	A.P. Macroeconomics# (1.0) IB History (1.0)
<p align="center"> A.P. Human Geography (1.0) A.P. World History* (1.0) A.P. U.S. History (1.0) A.P. U.S. Government & Politics# (1.0) A.P. Comparative Government & Politics# (0.5) A.P. Macroeconomics# (1.0) A.P. Psychology (1.0) Law Studies (0.5) International Relations (0.5) </p>		

Course Selection Outline

Foreign Language	College Prep./Honors	Advanced Placement
9th Grade	Spanish I (1.0) Honors Spanish I (1.0)	
10th Grade	Spanish II (1.0) Honors Spanish II (1.0)	
11th Grade	Spanish III (1.0) Honors Spanish III (1.0)	
12th Grade	Spanish IV (1.0) Honors/DE Spanish IV (1.0)	AP Spanish Language (1.0) IB Spanish (1.0)
	Spanish V (1.0)/DE Spanish V AP Spanish Language (1.0) AP Spanish Literature (1.0)	

Mathematics	College Prep./Honors	Advanced Placement
9th Grade	Algebra I (1.0) Honors Algebra I (1.0)	
10th Grade	Geometry (1.0) Honors Geometry (1.0)	
11th Grade	Algebra II (1.0) Algebra II Honors (1.0)	
12th Grade	Pre-Calculus (1.0)Pre-Calculus Honors (1.0)	IB Math (1.0)
	Honors Probability & Statistics (1.0) Honors Calculus (1.0) AP Probability & Statistics (1.0) AP Calculus AB (1.0) AP Calculus BC (1.0) Advanced Algebra with Trigonometry (1.0)	

Course Selection Outline

Science	College Prep./Honors	Advanced Placement
9th Grade	Biology (1.0) Honors Biology (1.0)	
10th Grade	Chemistry (1.0) Honors Chemistry (1.0)	
11th Grade	Physics (1.0) Honors Physics (1.0)	AP Environmental Science (1.0) AP Biology (1.0) AP Chemistry (1.0)
12th Grade	Elective (from the list below)	AP Environmental Science (1.0) AP Biology (1.0) AP Physics (1.0) IB Biology (1.0)
Environmental Science (1.0) Anatomy & Physiology (1.0) Honors Anatomy & Physiology (1.0) Honors Marine Science (1.0) AP Environmental Science (1.0) AP Biology (1.0) AP Physics (1.0)		

Physical Education	
9th Grade	HOPE : Personal Fitness (.5)/Hope: Health (.5)
10th-12th Grade	Ind and Dual Sports (.5) Team Sports (.5) Weight Training 1 (.5) Weight Training 2 (.5)

Robotics	College Prep./Honors	Advanced Placement
9th Grade	Foundations in Robotics (.5)	
10th Grade	Applied Robotics (.5)	
11th Grade	Robotics Design (.5)	
12th Grade	Robotics Capstone/Certificate (.5)	

Course Selection Outline

Fine Arts
Band 1, Honors Band, Honors Band Woodwinds, Honors Band Brass, Percussion, Percussion Honors
CSIT I, CSIT II
Chorus I, Chorus II, IB Chorus
Journalism, Speech, Debate
Painting Intro. to Visual Art Drawing I Drawing II Intro to Photography IB Art

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Theology Department Course Descriptions

Introduction to the Bible (Old Testament) (210941)

+Grade Level: 9th
+Credit Value: 0.5

This course covers the Judeo-Christian heritage as expressed in the Old Testament. This course will cover the history of God's people from creation to election to covenant. It will also examine the Prophetic message.

New Testament

+Grade Level: 9th
+Credit Value: .05

This course examines and introduces the student to the message of Jesus as seen in the Gospel and lived in the early Christian community. This course will relate the Gospel message to the daily life of the student.

Sacraments/Liturgy

+Grade Level: 10th
+Credit Value: 0.5

This course provides a more mature understanding of Catholic worship. Topics covered include the Mass, sacraments, and individual and communal prayer. Practical experiences of the above will be emphasized in order that students will be able to express their relationship with God both privately and in union with other Catholics.

Morality/Ethics (2105350)

+Grade Level: 10th
+Credit Value: 0.5

This course promotes self-understanding in a Christian context and progressive moral and psychological development in daily life. Human growth and development, motivation, personality and behavior, conformity and alienation are some of the topics viewed in the context of the Christian moral system.

History of Christian Thought I (2105340)

+Grade Level: 11th
+Credit Value: 0.5

The purpose of this course is to supply the student with a general knowledge of the Church's history from Apostolic times up to and including the Catholic Reformation. The student will be introduced to the fact that the Church was founded by Jesus Christ through the Apostles and is sustained by him throughout history through the Holy Spirit. The student will come to know that the Church is the living Body of Christ today and, as such, has both divine and human elements. The student will learn about the Church's history and about how the Church is led and governed by the successors of the Apostles.

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Theology Department Course Descriptions

Honors History of Christian Thought I:

History of Christian Thought I RST 240C (2105340)

+ Grade Level: 11th

+Credit Value: 0.5

+Prerequisite: Dept. of Religious Studies - B average for previous year's religion courses. College credit dual enrollment - cumulative 3.0 GPA. No exceptions.

This course includes an option for dual enrollment with St. Thomas University, Miami. Eligible students will study the thinking and subsequent theology and of the Christian Church from Apostolic times through the Reformation. Three credits are earned in the field of humanities for students who successfully complete the course.

Catholic Social Teaching (2104350)

+Grade Level: 11th

+Credit Value: 0.5

This course will introduce the student to the Church's social teachings. Students will learn how Christ's concern for others, especially the poor and needy, is present today in the Church's social teaching mission. The student will recognize and understand the obligation of every Christian to actively live out these principles in their everyday life. The student will also demonstrate the ability to identify community needs and propose solutions through a class service-learning project.

Honors Catholic Social Teaching (2104350)

+Grade Level: 11th

+Credit Value: 0.5

+Prerequisite: Dept. of Religious Studies - B average for previous year's religion courses.

College credit dual enrollment - cumulative 3.0 GPA.

No exceptions.

This course includes an option for dual enrollment with St. Thomas University, Miami. This course will introduce the student to the Church's social teachings. Students will learn how Christ's concern for others, especially the poor and needy, is present today in the Church's social teaching and missions. The student will recognize and understand the obligation of every Christian to actively live out these principles in their everyday life. The student will also demonstrate the ability to identify community needs and propose solutions through a class service-learning project. Three credits in the field of humanities may be earned by students who choose the dual enrollment option and who successfully complete the course.

History of Christian Thought II REL 2591

+ Grade Level: 12th

+Credit Value: 0.5

The purpose of this course is to supply the student with a general knowledge of the Church's history from the Counter-Reformation up to and including the Church in the present day. The student will be introduced to the fact that the Church was founded by Jesus Christ and has continued on in each successive age through an unbroken line of Apostolic succession and continues to be sustained throughout history through the

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influence of the Holy Spirit. The student will come to experience how they are a vibrant part of the living Body of Christ today.

Honors History of Christian Thought II REL 2591

+ Grade Level: 12th

+Credit Value: 0.5

+Prerequisite: Dept. of Religious Studies - B average for previous year's religion courses. College credit dual enrollment - cumulative 3.0 GPA. No exceptions.

This course requires dual enrollment with St. Thomas University, Miami. Eligible students will study the thinking and subsequent theology and of the Christian Church from the Counter-Reformation to the present. Three credits are earned in the field of humanities for students who successfully complete the course.

World Religions (2105310)

+Grade Level: 12th

+Credit Value: 0.5

This course introduces the student to the belief systems, cultures, and religious traditions outside the Catholic tradition. The goal of this course is to give the student a better appreciation of his/her own faith as it relates to other major religions of the world. Topics will include (among others): Protestantism, Judaism, Islam, and Buddhism.

Honors World Religions (RST210D)

+Grade Level: 12th (2105310)

+Credit Value: 0.5

+Prerequisite: Dept. Of Religious Studies - B average for previous year's religion courses. College credit dual enrollment-cumulative 3.0 GPA. No exceptions.

This course includes an option for dual enrollment with St. Thomas University, Miami. An introduction and broad survey of the major faith traditions of the world, with particular emphasis on the Abrahamic religions of Judaism, Christianity, and Islam, Eastern religious traditions of Hinduism and Buddhism are introduced. Three credits are earned for dual enrollment students who successfully complete the course.

Community Service (2104330)

+Grade Level: 9th, 10th, 11th, 12th

+Credit Value: (0.5 credit upon completion of this four-year program)

The community service program is designed to enrich the lives of our students and the communities in which they live. Through successful completion of the program, the student provides help to others and gains experience through working with a wide variety of non-profit organizations. All students must complete 25 hours of community service per year (100 hours for a student at CNHS four years) with passing evaluations to satisfy the requirements needed to graduate. Complete information for the community service program is available at www.cardinalnewman.com under the Spiritual Life tab on the Home Page.

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Theory of Knowledge II (0900810)

+Grade Level: 12th

+Offered 1st semester Senior Year

+Credit Value: 0.5

+Prerequisite: Completion of Theory of Knowledge I and candidacy in the IB Programme.

The Theory of Knowledge II course is a continuation of the material introduced in TOK I. In addition to the academic content and class discussions, one major essay on a prescribed title and one comprehensive, taped oral presentation are required. The student's grade on these assessments counts toward the IB diploma. Completion of this course and the assessments described above are required for the IB diploma. Students also complete the IB CAS (Creativity-Action-Service) requirement in this course.

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English Department Course Descriptions

English I (1001310)

+Grade Level: 9th
 +Credit Value: 1.0
 +Prerequisite: None

This course includes vocabulary development, the fundamental skills of English grammar, the composition of unified paragraphs, and the composition of extended essays. Students are introduced to various literary genres (short stories, novels, non-fiction, poetry, and drama). Instruction includes Research Skills and MLA.

Honors English I (1001320)

+Grade Level: 9th FL/AP
 +Credit Value: 1.0
 +Prerequisite: None

+Note: 7th & 8th grade performance in English/Cardinal Newman Placement Exam and teacher recommendation.

This course includes material in the regular English I course. In addition, emphasis is placed on expository and creative writing, stresses structure, appropriate sentence variety, oral presentations, and additional reading.

English II (1001340)

+Grade Level: 10th
 +Credit Value: 1.0
 +Prerequisite: None

Designed to reinforce vocabulary and grammar skills introduced at the freshman level. This course also offers varied techniques for the development of reading skills. In addition, it strongly emphasizes composition skills, especially those needed for the extended essay. Throughout the year students examine and analyze universal themes evident in world literature.

Honors English II (1001350)

+Grade Level: 10th FL/AP
 +Credit Value: 1.0
 +Prerequisite: Recommendation of current English teacher

This course includes the material in the regular English II course. The subject matter is studied in greater depth and supplementary reading is required. In addition, the students write essays requiring research and documentation.

English III (1001370)

+Grade Level: 11th
 +Credit Value: 1.0
 +Prerequisite: None

This course examines the development and evolution of the literature of the United States. Students study major literary movements and critically analyze major works. Vocabulary study is also included as a means of improving word knowledge and usage. Research skills and the techniques of writing research papers are taught and practiced throughout the year.

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English Department Course Descriptions

English III Honors/Dual (1001380)

+Grade Level: 11th

+Credit Value: 1.0

+Prerequisite: Recommendation of current English Teacher

The subject matter includes the regular English III course content in a more accelerated manner. It provides the opportunity for college credit through St. Thomas University.

AP English III (1001420)

Language AP & Comp

+Grade Level: 11th

+Credit Value: 1.0

+Prerequisite: Recommendation of current English teacher

This course is designed to challenge advanced students by acceleration of course content. The subject matter includes that of the regular English III course plus additional literary works and a greater emphasis on writing. Students are required to take the Advanced Placement Examination in Language and Composition.

English IV (1001400)

+Grade Level: 12th

+Credit Value: 1.0

+Prerequisite: None

Students in this course participate in a critical study of the origins and development of English language and British literature. Major writers and their works are analyzed. Instruction in formal essay writing is stressed along with the mechanics of language usage. Vocabulary growth is an integral part of this course.

AP English IV (1001430)

English Lit AP and Com)

+Grade Level: 12th

+Credit Value: 1.0

+Prerequisite: Recommendation of current English teacher

This course is designed to challenge advanced students by acceleration of course content. The subject matter includes that of English IV. Students are encouraged to take the AP English Lit and Comp Exam or the dual enrollment through St. Thomas University for college credit.

Creative Writing I (1009320)

+Grade Level: 11th & 12th

+Credit Value: 0.5

+Prerequisite: None

+Note: Open to Juniors and Seniors

Creative Writing is designed to help students develop creative expression of their own ideas through the writing of both specific and open exercises. Content may include, but is not limited to, the development of original poetry, short stories, one-act plays, satires, and/or a novelette. The course may also include, as determined by student interest, technical aspects of publishing students' work in outside literary publications.

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English Department Course Descriptions

IB English IV Language A: Literature HL (1001830)

First Semester: Intertextuality

+Grade Level: 12th

+Credit Value: 0.5 credit (semester)

+Prerequisite: IB Diploma Programme acceptance

Students will focus their reading on the IB global concepts, specifically culture, community, science, and the imagination. Students will understand the intertextuality of global works through the European Romantic movement and how this particular movement was the impetus for future global literary and political schools of thought. Students will continue work on analytical writing and reading skills through academic criticism and writings. The final semester assessment will be two IB style essay prompts to prepare for the May 2020 IB Language A exam and an individual oral presentation on a given work studied this semester.

English IV Language A: Literature HL (1001830)

Second Semester: Intertextuality; Readers, Writers, and Text

+Grade Level: 12th

+Credit Value: 0.5 credit (semester)

+Prerequisite: IB Diploma Programme acceptance

Students will use the last semester to explore four longer works inside the classroom and two additional readings outside the classroom that encompasses the global view of man and his relationship with self, others, and society as a whole. Students will also examine shorter, relevant works as well as literary criticism of the studied works to understand the value of academic dialogue and writing. The final assessment for this semester will be the external assessment for the IB Diploma program as well as a final analysis HL essay on a work read this year.

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Learning Strategies Course Descriptions

These courses are offered for students who have difficulty with the traditional curriculum. This may be due to learning differences and/or a weak background in the skills of reading, writing, listening and math. Students taking Learning Strategies I and II postpone the foreign language requirement, with departmental permission. Students in Learning Strategies III and IV may waive the two-year foreign language requirement with school approval.

Learning Strategies I (1000420)

+Grade Level: 9th

+Credit Value: 1.0

+Prerequisite: Permission of Instructor

The purpose of this course is to provide resources to improve skills in listening, study, speaking, composition, and reading. Taking effective notes, expressing ideas clearly, textual evaluation and organization will form integral parts of the course.

Learning Strategies II, III, IV (1000420)

+Grade Level: 10th, 11th, 12th

+Credit Value: 1.0

+Prerequisite: Learning Strategies I and/or permission of Instructor

The purpose of this course is to provide resources to improve skills in listening, studying, speaking, composing essays, and reading. Taking effective notes, expressing ideas clearly, evaluating and utilizing texts efficiently, and time management are integral parts of the course. This course is open to 10th, 11th, 12th students who have experienced learning difficulties in a mainstreamed setting, and who have successfully completed Learning Strategies I and/or who have been admitted at the discretion of the instructor.

Intensive Reading Course (1000410)

+Grade Level: 9th, 10th, 11th, 12th

+Credit Value: 1.0

+Prerequisite: Permission of Instructor

Students who need Language Arts remediation based on their grades, standardized test scores, and/or placement test results will be enrolled in the Intensive Reading Course. The purpose of this course is to provide instruction that enables students to accelerate the development of reading and writing skills and to strengthen those skills, so they can successfully read and write grade level text independently.

Instruction emphasizes reading comprehension, writing fluency, and vocabulary study. Students will engage in interactive text-based discussion, question generation, and research opportunities. This course does not take the place of English core courses and does not meet requirements for entrance into the University System.

Intensive Math Course I (1200400)

+Grade Level: 9th, 10th, 11th, 12th

+Credit Value: 1.0

+ Prerequisite: Permission of Instructor

Students in need of math remediation based on their grades, standardized test scores and/or placement test results, will be enrolled in the Intensive Math Class. This course parallels the material taught in the Algebra 1 curriculum. The goal of the class is to help the student reach the required benchmarks of the High School Math Curriculum and College Board/ACT. This course does not take the place of Math courses and does not meet the requirements for entrance into the University System.

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Learning Strategies Course Descriptions

Intensive Math Course II (1200400)

+Grade Level: 9th, 10th, 11th, 12th

+Credit Value: 0.5

+ Prerequisite: Permission of Instructor

Students in need of math remediation based on their grades, standardized test scores and/or placement test results, will be enrolled in the Intensive Math Course II. This course parallels the material taught in the Algebra II curriculum. The goal of the class is to help the students reach the required benchmarks of the High School Math Curriculum and College Board/ACT. This course does not take the place of Math courses and does not meet the requirements for entrance into the University System.

SAT/ACT Preparation Class

+Grade Level: 11th, 12th

+Prerequisite: None

The objective of this course is to prepare students for the Mathematics and English sections of the SAT and ACT exams. In addition to supplying an overview of the structure for the Math and each English component of the SAT and ACT, the course will provide students with a comprehensive review of test taking tips and strategies that are tailored to specific sections. Upon successful completion of the course, each student will approach both the SAT and ACT exams with optimum preparation and increased general test taking skills, which will ultimately maximize their confidence on the day of the exam.

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Social Studies Department Course Descriptions

World History (2109350)

+Grade Level: 9th

+Credit Value: 1

+Prerequisite: None.

This course covers world history from 1200 to the present and is designed to aid the student in developing skills of historical analysis and inquiry. These techniques will help the student to approach social, economic, political, and cultural problems met in today's world. Comprehensive in design, the course includes the study of history, philosophy, religion, humanities, art, and literature to demonstrate the ways in which man through the ages has coped with the most pressing issues of his time. Students will acquire critical thinking skills and an appreciation of the aesthetic tradition of which they are a part.

Honors World History (2109320)

+Grade Level: 9th

+Credit Value: 1

+Prerequisite: Placed by Department based on the High School Placement Exam score

This course covers world history from 1200 to the present. It is designed to convey to the student a chronological understanding of the world's people, events, and institutions by bringing together the various threads of mankind's existence—politics, war, geography, economics, the arts, music, science, philosophy—so the student can develop an integrated historical perspective. Reading independently from college-level materials and analyzing material beyond the factual level is an essential part of the course.

AP World History (2109420)

+Grade Level: 9th

+Credit Value: 1

+Prerequisite: Placed by Department based on the High School Placement Exam score

This Advanced Placement course in Modern European History follows the course description as outlined by the College Board. This course is designed to build on the student's knowledge of the factual narrative: (1) An understanding of the principal themes in modern European history, (2) An awareness of the world, and (3) An ability to analyze historical evidence. The chronological period begins with the high Renaissance and concludes with the present. The course focuses on political and diplomatic history, intellectual and cultural history, and social and economic history.

United States History (2100310)

+Grade Level: 10th

+Credit Value: 1.0

+Prerequisite: None

A survey of the history of our nation, U.S. History places emphasis on the period beginning with European colonization to the present. Through a close examination of the American past, students will gain a truer appreciation and understanding of the forces that have shaped our country.

Content covered includes, but is not limited to an understanding of geographic-historic and time-space relationship, changes, and trends in American culture through the centuries, the Civil War as the solution to the

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secession issue, the technological and urban transformation of the country, and American foreign political development.

AP United States History (2100330)

+Grade Level: 10th

+Credit Value: 1.0

+Recommendation: AP World teacher recommendation and an “A” in regular English or “B” in Honors English
OR - Teacher recommendation plus an “A” in European History or an “A” in regular English.

The purpose of this course is to provide the opportunity to develop the analytical skills and factual knowledge necessary to deal critically with the problems, content, and materials of American historical development by focusing on persistent themes and change in history, and by applying historical reasoning to seek solutions to contemporary problems. Advanced Placement United States History is a challenging course that is meant to be the equivalent of a freshman college course and can earn student’s college credit. It is a survey of American history from the age of exploration and discovery to the present. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study, are necessary to succeed. Emphasis is placed on critical and evaluative thinking skills, essay writing, interpretation of original documents, and historiography. Students will master a broad body of historical knowledge, demonstrate an understanding of historical chronology, effectively use analytical skills of evaluation, use historical data to support an argument or position, and interpret and apply data from original documents, including graphs, cartoons, and letters. Reference should be made to the current Advanced Placement course description for American History published annually by the College Board.

Economics with Financial Literacy (2102335)

+Grade Level: 11th

+Credit Value: 0.5

+Prerequisite: None.

The purpose of this course is to provide students with the knowledge and decision-making tools necessary for understanding how society organizes its limited resources to satisfy its wants. Students will gain understanding of choices they must make as producers, consumers, investors, and taxpayers. The primary content emphasis for this course pertains to the study of the concepts and processes of the national and international economic systems. The content should include but not be limited to the following: currency, banking, and monetary policy; the fundamental concepts relevant to the major economic systems; the global market and economy; major economic theories and economists; the role and influence of the government and fiscal policies; economic measurements, tools, and methodology; financial and investment markets; and the business cycle.

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Social Studies Department Course Descriptions

American Government (2106310)

+Grade Level: 11th

+Credit Value: 0.5

+Prerequisite: None.

Responsible citizenship, including civil and political participation is essential to maintain a representative government that truly represents the people of the United States. In this course, students learn about the structure of government and how it shares power at the local, state, and federal levels. This course also explores founding principles that inspired the Constitution and Bill of Rights, preserving the freedoms that students experience daily.

Students will examine the processes of each branch of government, the election process, and how citizens can impact public policy. The media, interest groups and influential citizens provide examples of how the government can be affected by informed and active participants. Students will examine the U.S. Court system and become a part of the process by participating in the judicial decision-making process. They will also discover ways the United States interacts with countries around the world, through domestic policy, foreign policy, and human rights policy.

AP United States Government and Politics (2106420)

+Grade Level: 11th

+Credit Value: 0.5

+Recommendation: Permission of the Social Studies Department, AP US History teacher recommendation, and an "A" in regular English or "B" in Honors English OR - Teacher recommendation plus an "A" in US History or an "A" in regular English.

The purpose of this course is to provide students the opportunity to develop a critical perspective on politics and government in the United States. This course involves both the study of general concepts used to interpret American politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that make up the American political reality. Appropriate concepts and skills will be developed in connection with the following content: an understanding of federalism and the separation of powers; the development of the Constitution; the process of politics; the nature of public opinion; the role of political parties and interest groups; the major formal and informal institutional arrangement of powers; an overview of Florida government, including the state constitution and local government; and the development of civil rights. Reference should be made to the current Advanced Placement course description for United States Government published annually by the College Board.

AP Macroeconomics (2102370)

+Grade Level: 12th

+Credit Value: 0.5

+Recommendation: Permission of the Social Studies Department, AP US Government & Politics teacher recommendation, and an "A" in regular English or "B" in Honors English OR - Teacher recommendation plus an "A" in US History or an "A" in regular English.

The purpose of this course is to provide the opportunity for students to gain a thorough understanding of the principles of economics that apply to an economic system as a whole. Particular emphasis will be laid upon the

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study of national income and price determination and developing students' familiarity with economic performance measures, economic growth, and international economics. Students will study comparative advantage to determine the basis on which mutually advantageous trade can take place between countries. Appropriate skills will be developed around the concepts of gross national product, gross domestic product, monetary vs. fiscal policy, aggregate demand and aggregate supply, and various aspects of international finance. Reference should be made to the current Advanced Placement course description for Macroeconomics published annually by the College Board.

COLLEGE PREP ELECTIVES AVAILABLE:

International Relations (2106440)

+Grade Level: 12th Grade

+Credit Value: 0.5

+Prerequisite: Instructor Approval

Honors International Relations is an accelerated course designed to give students the tools to analyze key conceptual issues in international relations. Students learn about the key issues and actors in international relations. They analyze the origins and evolution of the international system and the role of the state, the nation, international organizations, ethnic groups, and other non-state actors in global affairs.

Through the use of case studies of specific international situations, students explore various themes in international relations including globalization and political economy, the use of force, state formation and failure, international institutions, diplomacy, and the structure of global civil society. They also analyze the dynamics of state relations and discuss why different historical experiences produce different outcomes. After completing this course, students will be able to think critically and conceptually about issues that affect U.S. interests in the short- and long-run.

Law Studies (2106350)

+Grade Level: 12th Grade

+Credit Value: 0.5

+Prerequisite: Instructor Approval

The goal of this course is to introduce students to practical law. The curriculum will expose students to both criminal and constitutional law, with an emphasis on constitutional law as it relates to the Civil Rights movement. Students will not only learn laws and legal procedures but will also develop problem-solving skills that are necessary for survival in today's society. Students will analyze case studies and participate in mock trials and role-plays. as well as use local community resources to gain knowledge about the legal and political systems.

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ADVANCED PLACEMENT ELECTIVES AVAILABLE:

AP European History (2109380)

+Grade Level: 12th

+Credit Value: 1.0

+Recommendation: Permission of the Social Studies Department, AP US Government teacher recommendation, and instructor approval.

An "A" in regular English or "B" in Honors English OR - Teacher recommendation plus an "A" in US History or an "A" in regular English.

This Advanced Placement course in Modern European History follows the course description as outlined by the College Board. This course is designed to build on the student's knowledge of the factual narrative: (1) An understanding of the principal themes in modern European history, (2) An awareness of the world, and (3) An ability to analyze historical evidence. The chronological period begins with the high Renaissance and concludes with the present. The course focuses on political and diplomatic history, intellectual and cultural history, and social and economic history.

AP Psychology (2107300)

+Grade Level: 12th Grade

+Credit Value: 1.0

+Recommendation: Permission of the Social Studies Department, AP US Government teacher recommendation, and instructor approval.

An "A" in regular English or "B" in Honors English OR - Teacher recommendation plus an "A" in US History or an "A" in regular English.

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts' principals, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. Reference should be made to the current Advanced Placement course description for Psychology published annually by the College Board.

AP Human Geography (2103400)

+Grade Level: 12th Grade

+Credit Value: 1.0

+Recommendation: Permission of the Social Studies Department, AP US Government teacher recommendation, and instructor approval.

An "A" in regular English or "B" in Honors English OR - Teacher recommendation plus an "A" in US History or an "A" in regular English.

The purpose of this course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. They also learn about the methods and tools geographers use in the science and practice. Students will have the opportunity to understand the following concepts related to the course: regions and their development, population studies,

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cultural concepts and spatial representation, political geography, land use, urbanization, issues related to space, place and scale, and economic geography. Reference should be made to the current Advanced Placement course description for Human Geography published annually by the College Board.

AP Comparative Government & Politics (2106430)

+Grade Level: 12th Grade

+Credit Value: .5

+Recommendation: Permission of the Social Studies Department, AP US Government teacher recommendation, and instructor approval.

An "A" in regular English or "B" in Honors English OR - Teacher recommendation plus an "A" in US History or an "A" in regular English.

The AP Comparative Government and Politics course explores the fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. This course will aim to illustrate the rich diversity of political life, to show available institutional alternatives, to explain differences in processes and policy outcomes, and to evaluate the importance of global political and economic changes. Policymaking and institutions are analyzed in the case studies of Great Britain, China, Iran, Nigeria, Mexico, and Russia. Comparison of political systems produces useful knowledge about the policies countries have successfully initiated to address problems and/or what they have done to make things worse. Reference should be made to the current Advanced Placement course description for AP Comparative Government and Politics published annually by the College Board.

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Foreign Language Department Course Descriptions

Spanish I (0708340)

+Grade Level: 9th, 10th, 11th

+Credit Value: 1.0

+Prerequisite: None

This course is an introduction to the Spanish language. Students are expected to master the Spanish sound system and elementary grammar. Through an aural/oral approach, a basic command of the language and of the four skills (listening, speaking, reading, and writing) is developed with emphasis on communication skills. The student is exposed to Hispanic culture and everyday conversation through the use of audio-visual materials.

Spanish II (0708350)

+Grade Level: 9th, 10th, 11th, 12th

+Credit Value: 1.0

Prerequisite: Placement Exam or high school Spanish 1 credit.

Aural/Oral development of proficiency in the language is continued in this course with increased emphasis upon reading, writing, and communication skills. Basic grammatical concepts begun in the first year are completed.

The student is exposed to Hispanic culture and everyday conversation through the use of audio-visual materials.

Honors Spanish I (0708800)

+Grade Level: 9th, 10th, 11th

+Credit Value: 1.0

+Prerequisite:

+Note: Consideration based on GPA in previous school, English performance on placement exam and recommendation of previous school.

This Honors course is the first in a series of courses offered in preparation for the Advanced Placement class where college credit may be earned.

This course includes the material in the regular Spanish I course. The grammatical concepts are studied in greater depth and there is more emphasis placed on oral and written communication, written essays and on reading short literary selections.

Students do NOT need to know Spanish to be considered for this course.

Honors Spanish II (0708810)

+Grade Level: 9th, 10th, 11th, 12th

+Credit Value: 1.0

+Prerequisite: Recommendation of the Spanish I/IH teacher, High school credit or Placement Exam

This honors course is the second in a series of courses offered in preparation for the Advanced Placement and Dual Enrollment classes where college credit may be earned. The grammatical concepts are studied in greater depth and there is more emphasis on oral communication and in writing essays. Some short literary selections may be studied.

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Spanish III (0708360)

+Grade Level: 9th, 10th, 11th, 12th

+Credit Value: 1.0

+Prerequisite: Recommendation of Spanish II teacher

At this level, the grammatical concepts learned in the first two years are stressed. Emphasis is placed on improving the student's conversational skill by learning how to communicate in typical daily-life situations. Brief compositions will be written on related topics. A broader vocabulary will be acquired. The culture of Spanish speaking countries is studied using literature, videos, music, art, and special reports.

Honors Spanish III (0708820)

+Grade Level: 9th, 10th, 11th, 12th

+Credit Value: 1.0

+Prerequisite: Recommendation of Spanish II/Spanish II Honors teacher

This honors class is the third course offered in preparation for the AP Spanish Language and Dual Enrollment classes. This course includes the material in the regular Spanish III course. The grammatical concepts are studied in greater depth, and supplementary reading is required. In addition, there is greater emphasis on oral communication, writing, and reading. This course is conducted in the target language as much as possible.

If you choose to continue with your language study, Spanish IV Honors and Spanish V Honors are dual enrollment classes affiliated with St. Thomas University. Check with the university you wish to attend to determine whether credits earned through the satisfactory completion of these two classes, (a possible 12 foreign language credits) through our dual enrollment program, will transfer to that university.

Honors Spanish IV (0708370)

+Grade Level: 10th, 11th, 12th

+Credit Value: 1.0

+Dual Enrollment - if desired (3 credit classes/ each semester - St. Thomas University)

+Fee for dual enrollee only

+Prerequisite: Recommendation of Spanish III Honors teacher; 3.0 GPA required.

The objectives of this course are to provide the student with an opportunity to make use of the grammatical concepts and vocabulary learned at the previous levels and to acquire theme-based vocabulary. Reading, composition, and conversation are stressed. The culture of Spanish speaking countries is studied using literature, films, videos, music, art, and special projects.

Students have the option of enrolling in this class as an honors high school class OR enrolling in the class as a Dual Enrollment class, where they can earn first year college credit through St. Thomas University.

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AP Spanish Language (0708400)

+Grade Level: 11th, 12th

+Credit Value: 1.0

+Prerequisite: Recommendation of Spanish III Honors or IV Honors teacher

This course emphasizes composing expository passages and the comprehension of formal and informal spoken and written Spanish, as well as expressing ideas orally with accuracy and fluency. A secondary focus will include a strengthening of overall grammar skills. Students are encouraged to take the Advanced Placement Examination in the Spanish Language. College credit may be obtained for this course by a successful grade on the AP Spanish Language Exam.

Honors Spanish V/Conversational Spanish (0708380)

+Grade Level: 11th, 12th

+Credit Value: 1.0

+Dual Enrollment - if desired (3 credit class/each semester - St. Thomas University)

+Fee for dual enrollee only

+Prerequisite: Recommendation of Spanish IV Honors teacher; 3.0 GPA required.

Students in this course will have the opportunity to perfect their spoken and written conversational Spanish. Reading, composition, and conversation will be the focus while polishing up the grammatical concepts learned in previous levels.

The culture of Spanish speaking countries will continue to be integrated using literature, films, videos, music, art, and special reports.

Students can enroll in this class as an honors high school class OR to enroll in this class and earn college credit IF they choose to take advantage of the Dual Enrollment opportunity offered by Cardinal Newman High School and St. Thomas University.

IB Spanish B-II (SL) (0708840)

+Grade Level: 12th

+Credit Value: 1.0

+Prerequisite: IB Spanish B-I (SL)

This course focuses on refining previously acquired grammatical structures and conversational skills in the target language as a base for an appreciation of the subtleties of the Spanish language and in preparation for Standard Level Spanish B evaluations. Speaking, listening, reading, and writing skills are practiced and expanded using authentic materials in the target language. This includes but is not limited to written compositions and summaries, prepared and impromptu situations, comprehension, and discussion of written and oral materials. The culture of the Spanish speaking world is incorporated using videos, music, art, and authentic texts from magazines, newspapers and selected literary works. This class will specifically address the three integrated components of the IB program: Language, Texts and Cultural Awareness.

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Foreign Language Department Course Descriptions

AP Spanish Literature and Culture (0708410)

+Grade Level: 12th

+Credit Value: 1.0

+Prerequisite: Recommendation of AP Spanish Language teacher

The AP Spanish Literature and Culture course uses a thematic approach to introduce students to representative texts (short stories, novels, poetry, plays, and essays) from Peninsular Spanish, Latin American, and U.S. Hispanic literature. Students develop proficiency across the three modes of communication (interpretive, interpersonal, and presentational) in the range of intermediate High to Advanced Mid of the American Council on the teaching of Foreign Languages' (ACTFL) Proficiency Guidelines. Through careful examination of the required readings and other texts, students work to hone their critical reading and analytical writing skills. Literature is explored within the contexts of its time and place, and students gain insights into the many voices, historical periods, and cultures represented in the required readings and other texts. The course also includes a strong focus on cultural, artistic, and linguistic connections, and comparisons, which is supported by the exploration of various media (art, music, film, articles, and literary criticism.) Students are encouraged to take the Advanced Placement examination in Spanish Literature. By obtaining a successful grade on the Exam, college credit may be obtained.

Foreign Language Department Prerequisites

SPANISH

Students currently enrolled in...	...have the option to take....
Spanish I	Spanish II *Spanish II Honors (teacher recommendation)
Spanish I Honors	Spanish II *Spanish II Honors (teacher recommendation)
Spanish II	Spanish III *Spanish III Honors (teacher recommendation)
Spanish II Honors	Spanish III *Spanish III Honors (teacher recommendation)
Spanish III	Spanish IV Honors (teacher recommendation)
Spanish III Honors	Spanish IV Honors (teacher recommendation) AP Spanish Language (teacher recommendation)
Spanish IV Honors	AP Spanish (teacher recommendation) Spanish V Honors/Conversational Spanish (teacher recommendation)
AP Spanish Language	AP Spanish Literature (teacher recommendation)

An incoming freshman will be placed in a Level I class unless they show mastery of the language through our Foreign Language Placement Exam or receive high school credit from his/her middle school's **certified** high school Level I class

* Placement in an Honors Class is based upon cognitive English language ability and work ethic.

** Bilingual students will be placed in Level I, unless through the placement exam, he/she demonstrates the ability to be placed in Level II or higher.

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Mathematics Department Course Descriptions

It is incumbent upon the student and the parent to check with any prospective college/university to verify that a specific course meets the admission requirements of that institution.

Algebra I (1200310)

+Grade Level: 9th

+Credit Value: 1.0

+Prerequisite: None

+Note: Performance in 7th & 8th grades mathematics, Placement Examination, and teacher recommendation.

This course places emphasis on the structure and use of modern algebra. Specific areas of study include the language of algebra, real numbers, systems of equations and inequalities, polynomials, factoring, graphs, and problem solving, and an introduction to irrational numbers.

Honors Algebra I (1200320)

+Grade Level: 9th

+Credit Value: 1.0

+Prerequisite: None

+Note: Performance in 7th & 8th grades mathematics, Placement Examination, and teacher recommendation.

This course places emphasis on the structure and use of modern algebra. Specific areas of study include the language of algebra, real numbers, systems of equations and inequalities, polynomials, factoring, graphs, and problem solving, and an introduction to irrational numbers.

Geometry (1206310)

+Grade Level: 9th, 10th, 11th, 12th

+Credit Value: 1.0

+Prerequisite: Algebra I and teacher recommendation

The traditional topics of Euclidean Geometry are used as a basis for teaching formal deductive reasoning. Congruence, similarity, the properties of polygons, parallel and perpendicular lines, and circles are the basic manipulative ideas mastered in this course. An introduction to trigonometry will be presented.

Honors Geometry (12006320)

+Grade Level: 9th, 10th, 11th, 12th

+Credit Value: 1.0

+Prerequisite: H Algebra I or Algebra I and teacher recommendation. Students must have at least an A in Algebra I and an 85% score or better on the current year's standardized math test.

The same topics as regular Geometry, but the material is covered in greater depth.

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Mathematics Department Course Descriptions

Algebra II (1200330)

+Grade Level: 9th, 10th, 11th, 12th

+Credit Value: 1.0

+Prerequisite: C or above in Algebra I, along with teacher recommendation.

Topics for this course include solving linear and quadratic equations, factoring, simplifying polynomial expressions, quadratic functions, radicals, logarithms, complex numbers, and the basic fundamentals of trigonometry.

Honors Algebra II (1200340)

+Grade Level: 9th, 10th, 11th, 12th

+Credit Value: 1.0

+Prerequisite: Algebra I (Regular or Honors), along with teacher recommendation.

Students must have at least a B in H Algebra I or an A in regular Algebra I. In addition, students must receive an 85% (or better) score on current year's standardized math test.

A TI-83 or 84 Plus Graphing Calculator is required.

This course presents an in-depth study of the structure of algebra with emphasis on theory, proof and development of formulas and their applications. Topics will include polynomial and rational expressions, functions, relations, exponents, logarithms, complex numbers, conic sections, sequences, series, probability theory and matrices.

Pre-Calculus (1202375)

+Grade Level: 9th, 10th, 11th, 12th

+Credit Value: 1.0

+Prerequisite: Algebra II and Geometry with a B or higher, and teacher recommendation.

A TI-83 or 84 Plus Graphing Calculator is required.

The purpose of this course is to pursue the study of functions and other skills necessary for the study of calculus. Contents include polynomial, rational, exponential, inverse, and logarithmic and circular functions, introduction to matrices, sequences and series, mathematical induction, vectors, and theory of limits. A complete study of trigonometry is included.

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Mathematics Department Course Descriptions

Honors Pre-Calculus (1202340)

+Grade Level: 9th, 10th, 11th, 12th

+Credit Value: 1.0

+Prerequisite: H Algebra II, or Algebra II and Geometry or H Geometry, with teacher recommendation. Students must have at least a B in H Algebra II, or an A in regular Algebra II. In addition, students must receive an 85% (or better) score on current year's standardized math test.

A TI-83 or 84 Plus Graphing calculator is required.

The aim of this course is to prepare students for calculus. Contents include, but are not limited to polynomials, rational exponentials, inverse, logarithmic and circular functions, matrix algebra, sequences and series, mathematical induction, vectors, theory of limits, conic sections, and polar coordinates. A complete study of trigonometry is included.

Honors Calculus (1202300)

+Grade Level: 12th

+Credit Value: 1.0

+Prerequisite: H Pre-Calculus with at least a B+ or Pre-Calculus with an A and current teacher recommendation

A TI-83 or 84 Plus Graphing Calculator is required.

The purpose of this course is to provide a foundation for the study of advanced mathematics. The content will include the following: elementary functions, limits, and continuity, derivatives, differentiation, anti-derivatives, the definite integral and applications of the integral.

Honors Probability and Statistics with Applications(1210300)

+Grade Level: 11th & 12th

+Credit Value: 1.0

+Prerequisite: Pre-Calculus with B, or a B or above in Algebra II or H Algebra II.

A TI-83 or 84 plus Graphing calculator is required.

The purpose of this course is to explore descriptive and inferential statistics including the concepts of probability. Topics will include frequency distributions and graphs; measures of central tendency, position, and variation; counting techniques including permutations and combinations; classical and empirical probability; discrete probability distributions; normal distributions; confidence intervals; hypothesis testing; testing the differences between means, variances, and proportions; correlation and regression; chi-square testing, variance analysis, non-parametric statistics; and sampling and simulation.

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Mathematics Department Course Descriptions

AP Statistics (1210320)

+Grade Level: 11th, 12th

+Credit Value: 1.0

+Prerequisite: Honors Pre-Calculus with at least 85% (B); Pre-Calculus with at least a 90% (A) and teacher recommendation.

A TI-83 or TI-84+ graphing calculator will be required for this course.

AP students must take the AP Exam.

The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling, and experimentation, anticipating patterns, and statistical inference. Students who successfully complete the course and exam may receive credit, advanced placement, or both for a one-semester introductory college statistics course. Students may register for Dual Enrollment at St. Thomas University if they have a cumulative GPA of 3.0 or higher.

AP Calculus AB (1202310)

+Grade Level: 11th, 12th

+Credit Value: 1.0

+Prerequisite: H Pre-Calculus with at least an A with teacher recommendation.

A TI-83 or 84 Plus Graphing Calculator is required. AP students must take the AP Exam.

The purpose is to study elementary functions and the general theory and techniques of calculus. Content will include but not be limited to Advanced Placement curriculum: properties of functions, application concept of limits to functions, finding derivatives of algebraic, trigonometric, exponential and logarithmic functions, inverse functions, defining relationships between differentiability and continuity, applying derivatives, finding antiderivatives, using techniques of integrations, applying integration techniques to find the area under a curve, distance along a curve and volume of a solid of revolution are the main topics presented.

IB Mathematics Analysis and Approaches - Year Two (1202810)

+Grade Level: 12th

+Credit Value: 1.0

+Prerequisite: Successful completion of first year Mathematics Analysis and Approaches.

This course caters to students who already possess knowledge of basic mathematical concepts, and who are equipped with skills needed to apply simple mathematical techniques correctly. The majority of these students will expect to need a sound mathematical background as they prepare for future studies in subjects such as chemistry, economics, psychology, and business administration. Topics covered include: Statistics, Probability, and Calculus.

External Assessments will consist of the two Written Papers, each one- and one-half hours in duration and each count 40% towards the final grade. Paper I consists of short response questions and Paper II consists of extended response questions. The Written Papers are graded by the IBO. The explanation is graded by both the teach and IBO. It counts for 20% of the IB grade.

MATHEMATICS DEPARTMENT PREREQUISITES

Students Currently Enrolled in typically take*
Algebra I	Geometry Honors: If student's average is $\geq A$, plus a score $\geq 85\%$ on current year's standardized math test, and teacher recommendation. Geometry: If student's grade does not reflect above.
Algebra II (Did NOT take Geometry)	Geometry Honors: If student's average is $\geq A$, plus a score $\geq 85\%$ on current year's standardized math test, and teacher recommendation. Geometry: If student's grade does not reflect above.
Algebra II Honors (Did NOT take Geometry)	Geometry Honors: If student's average is $\geq B$, plus a score $\geq 85\%$ on current year's standardized math test, and teacher recommendation. Geometry: If student's grade does not reflect above.
Algebra II Honors (Did take Geometry)	Honors Pre-Calculus: If student's average is $\geq B$, plus a score $\geq 85\%$ on current year's standardized math test, and teacher recommendation. Pre-Calculus: If student's average is $\geq C$ plus teacher recommendation. Math for College Readiness: Seniors ONLY whose grade is not above. AP Statistics: (SENIORS ONLY) If student's average is $\geq A$ in Algebra II plus teacher recommendation.
Geometry	Honors Pre-Calculus: If student's average is $\geq A$, plus a score $\geq 85\%$ on current year's standardized math test, and teacher recommendation. Pre-Calculus: If student's average is $\geq C$ plus teacher recommendation. Math for College Readiness: Seniors ONLY whose grade is not above.
Honors Geometry	Honors Pre-Calculus: If student's average is $\geq B$, plus a score $\geq 85\%$ on current year's standardized math test, and teacher recommendation. Pre-Calculus: If student's average is $\geq C$ plus teacher recommendation. AP Statistics: (SENIORS ONLY) If student's average is $\geq A$ in Algebra II and Geometry plus teacher recommendation.
Pre-Calculus	Honors Calculus: If student's average is $\geq A$ and teacher recommendation. AP Statistics: If student's average is $\geq B$ and teacher recommendation. Probability & Statistics: If student's grade does not reflect above.
Honors Pre-Calculus	AP Calculus: If student's average is $\geq A$ and teacher recommendation. Honors Calculus: If student's average is $\geq B+$ and teacher recommendation. AP Statistics: If student's average is $\geq B$ and teacher recommendation. Probability & Statistics: If student's grade does not reflect above.
<i>IB Math Standard Level – 1st year</i>	IB Math Standard Level – Year Two: If student successfully completes the first year Mathematics SL.
<i>IB Math Standard Level – 2nd year</i>	AP Calculus: If student's average is $\geq B$ and teacher recommendation. Honors Calculus: If student's average is $\geq B$ and teacher recommendation. AP Statistics: If student's average is $\geq B$ and teacher recommendation. Probability & Statistics: If student's grade does not reflect above.

*Any student who does not fit in any of the above criteria needs to be placed by the Math Department Chair.

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Science Department Course Descriptions

Biology (2000310)

+Grade Level: 9th

+Credit Value: 1.0

+Prerequisite: Placement based on science entrance exam.

Through a comparison of life systems this year-long course studies molecular, cellular, taxonomic biologies, and an overview of basic biological principles. Organisms included in this science are viruses, bacteria, protists, fungi, plants, and animals. Laboratory dissections and experiments are an essential part of the course.

Honors Biology (2000320)

+Grade Level: 9th

+Credit Value: 1.0

+Prerequisite: Placement based on entrance exam and grade.

This year-long course is designed for students planning to pursue an advanced science curriculum. Through a comparison of life systems this course studies molecular, cellular, and taxonomic biologies. Organisms included in this science are viruses, bacteria, protists, fungi, plants, and animals. Topics will be studied at a greater depth with advanced laboratory reports and projects. Laboratory dissections and experiments are an essential part of the course.

Chemistry (2003340)

+Grade Level: 10th

+Credit Value: 1.0

+Prerequisite: Successfully completed Biology.

This year-long course provides a broad perspective of Chemistry. Emphasis is placed on developing a modern concept of the atom; discerning how atoms combine (including bonds, formulas, and equations); using and understanding the gas laws; and studying the behavior of solutions and reactions. Lectures will be supplemented with mathematical applications and laboratory experimentation.

Honors Chemistry (2003350)

+Grade Level: 10th

+Credit Value: 1.0

+Prerequisite: B or higher in H Biology or A in Biology and recommendation from current science teacher.

Offered to students who enjoy science and wish to continue a strong science curriculum, this year-long course builds on previous knowledge of the atom and chemical equations. Emphasis is placed on a modern concept of the atom; discerning how atoms combine; using and understanding the gas laws; studying the behavior of solutions and reactions; thermodynamics; acid/base chemistry; nuclear chemistry and organic chemistry. In addition to lectures, major emphasis is placed on laboratory experimentation and extensive mathematical applications.

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Science Department Course Descriptions

AP Chemistry (2003370)

+Grade Level: 11th, 12th

+Credit Value: 1.0

+Prerequisite: A or higher in Honors Chemistry, A in Regular Chemistry with recommendation of current teacher and final approval.

Advanced Placement Chemistry is a year-long, college level course that offers students the potential for college credit. The intensive curriculum emphasizes but is not limited to the six “big ideas” of chemistry using both classroom and laboratory studies. The content also includes use of the scientific methods measurement, laboratory apparatus, and safety procedures. Students will perform at least 16 hands-on laboratory experiments which will comprise 25% or more of all instruction. Laboratory sessions will on occasion last two hours and will require students to stay past the end of the regular school day.

All students are required to take the AP Chemistry exam at the end of the course which will give them the opportunity to earn college credit.

Anatomy and Physiology (2000350)

+Grade Level: 11th or 12th

+Credit Value: 1.0

+Prerequisite: Biology and Chemistry

This year long college preparatory course is designed for the student who wishes to pursue the study of science in college, pre-med, nursing, as well as for the student who has a profound interest in biology. The course provides exploratory and advanced activities in the structure and functions of the components of the human body, including cells and tissue, human body systems, diseases, and genetic disorders. Lab investigations and dissections are an integral part of this course.

Honors Anatomy and Physiology (2000360)

+Grade Level: 11th & 12th; Seniors are to have preference

+Credit Value: 1.0

+Prerequisite: B or higher in Honors Chemistry and Honors Biology or A in Biology and Chemistry and current science teacher recommendation

This year-long college preparatory course is designed for the student who wishes to pursue the study of science in college, pre-med, nursing, as well as for the student who has a profound interest in biology. This course provides exploratory and advanced activities in the structure and function of the human body, including cells and tissues, human body systems, diseases, and genetic disorders. Lab investigations and dissections are an integral part of this course. Topics will be studied at a greater depth, with advanced laboratory reports, projects, and a research paper. Priority for enrollment will be given to seniors.

Marine Science (2002500)

+Grade Level: 11th & 12th

+Credit Value: 1.0

+Prerequisite: Biology and Chemistry

This is a year-long college preparatory course dealing with all aspects of marine science including oceanography, marine geology, marine biology, comparative anatomy, and human impacts on our oceans. The class will follow a lecture format with lab work, projects and presentations, dissection of marine organisms and field study activities.

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Science Department Course Descriptions

Honors Marine Science (2002510)

+Grade Level: 11 & 12th; Seniors are to have preference

+Credit Value: 1.0

+Prerequisite: Completion of current Honors Science course with a B or higher, or an A in current regular science course. Recommendation of current science teacher.

This is a year-long college preparatory course dealing with all aspects of marine science including oceanography, marine geology, marine biology, comparative anatomy, and human impact on our oceans. This course is an excellent introduction for students interested in pursuing marine science in college. The class will follow a lecture format with lab work, projects and presentations, dissection of marine organisms and if feasible, field-study activities. A student-generated group research project may be included.

Honors Physics (2003390)

+Grade Level: 11th & 12th

+Credit Value: 1.0

+Prerequisite: Completion of Honors Chemistry and current honors Science course with a B or higher, or an A in Chemistry and current regular science course. Recommendation by Chemistry or current science teacher required.

Concurrent enrollment in Calculus or higher.

A year-long college preparatory course designed for students who want to pursue an advanced science curriculum. The course teaches the physical laws of nature from a scientific and mathematical perspective, this course integrates laboratory work and classroom topics to help students understand how the formulas of physics explain the laws of nature that they have come to accept as part of their lives. The first semester deals with mechanics and includes velocity, acceleration, vectors, force, gravity, energy, and work. The second semester deals with electricity, waves, optics, and modern physics. The entire curriculum is based on first presenting a new concept and then explaining the mathematical detail behind that concept. Major emphasis is placed on advanced mathematical calculations and problem solving.

Environmental Science (2001340)

+Grade Level: 11th & 12th

+Credit Value: 1.0

+Prerequisite: Biology and Chemistry

This year-long college preparatory course provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The curriculum identifies, analyzes, and evaluates the relative risks of environmental problems both natural and man-made. Further, the curriculum examines alternative solutions for resolving and/or preventing environmental issues. Laboratory investigation and field work will be an integral part of this course.

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Science Department Course Descriptions

AP Environmental Science (APES) (2001380)

+Grade Level: 11th & 12th Seniors are to have preference

+Credit Value: 1.0

+Prerequisite: Completion of a year of Biology and Chemistry with a “B” or higher in Honors Chemistry or an “A” in regular Chemistry. Must be enrolled in Honors Algebra II, Honors Pre-Calculus or higher. Recommendation of current science teacher and final approval.

Students are provided with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world. Students will identify, investigate, and analyze environmental problems both man-made and naturally occurring, and human-made and evaluate the relative risks involved with these problems. Examine solutions for preventing and/or resolving these environmental problems. Units of study will include ecology, geology, biosphere, atmosphere, natural resources, overpopulation, pollution, water and soil analysis, toxicology, sources, and flow of energy and other “consumed” renewable and non-renewable natural resources. APES will include a laboratory and field investigation component. A minimum of 10 hours community service associated with some environmental impact will be required as part of the course grade. This course will prepare students to take the APES Exam. Priority for enrollment will be given to seniors.

PHYSICS (2003380)

Grade level: 11th -12th

Credit: 1.0

Prerequisite: “C” or above in Biology, Chemistry, Algebra 1, and Geometry each semester. Concurrent enrollment in Algebra 2 or higher. Recommendation from current science teacher.

This course provides students with an introductory study of the theories and laws governing the interaction of matter, energy, and forces. Content includes classical mechanics, sound & light, and electricity & magnetism. Scientific inquiry, through laboratory activities and computer simulations, is an integral part of this course. Students will gain a better appreciation of nature by learning its rules. Laboratory investigations are implemented to help students understand the complexity of Physics.

ADVANCED PLACEMENT BIOLOGY (2000340)

Grade level: 10th -12th

Credit: 1.0

Prerequisite: Completion of a year of Biology and Chemistry with a “B” or higher in Honors Chemistry or an “A” in regular Chemistry. Recommendation of current science teacher and final approval.

This course is equivalent to a college level course in Biology. This course will expand on biology and chemistry coursework. Students will cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes – energy and communication, genetics, information transfer, ecology, and interactions.

ADVANCED PLACEMENT PHYSICS 1 (2003421)

Grade level: 11th -12th

Credit: 1.0

Prerequisite: Completed Honors Biology, Honors Chemistry, Honors Algebra 1, and Honors Geometry with an “A” Concurrent enrollment in Honors Algebra II is the minimum, but completion of Honors Pre-Calculus or higher is preferable. Recommendation of current science teacher and final approval.

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Science Department Course Descriptions

AP Physics 1 is a very rigorous, algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations, classroom study, and in-class activity, as they explore these topics: kinematics, dynamics, circular motion and gravitation, energy and power, momentum, simple harmonic motion, torque and rotational motion, electric charge and electric force, DC circuits, and mechanical waves and sound.

IB Biology III (HL) (2000820)

+Grade Level: 12th

+Credit Value: 1.0

+Prerequisite: Completion of IB Biology II

The final year of the Higher-Level International Baccalaureate Biology program encompasses physiology, human health, disease physiology, reproduction, neurobiology, and behavior. Strong emphasis is placed on independent learning, the use of technology, laboratory performance and communication. Designing, analyzing, and evaluating all aspects of scientific investigation are mandatory for the completion of Group 4 independent research project in the Fall. Summative laboratory portfolio will be submitted in March for external assessment and students will sit for IB examinations in May.

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Physical Education Department Course Descriptions

Participation in an interscholastic sport at the Freshman, JV or Varsity level for 1 full season shall exempt the student athlete from the PE elective, as long as the student earned a grade of “C” or better in HOPE. The course will be shown on the student’s transcript as ‘Physical Education Elective’ with “EX” for the grade (no “credit” is awarded.)

All students participating in a physical education activity class must present a completed physical exam form during the first week of school. All exams must be dated after June 1 of the current school year. Failure to present a current exam prior to the class starting will result in loss of points in class.)

The Physical Education Department is responsible for the sale and distribution of gym uniforms. Failure to dress out for physical education results in points deducted for that class.

The following courses are being offered by the Physical Education Department. Freshmen are required to take Health Opportunities through P.E. Prior to graduation students are required to take one additional semester PE course.

Physical Education Department Prerequisites

Students currently enrolled in have the option to take
H.O.P.E.	Beginning Weight Training Team Sports

Health Opportunities through P.E. (H.O.P.E.) (3026010)

+Grade Level: 10th

+Credit Value: 1.0

+Prerequisite: None

The purpose of this course is to develop and enhance healthy behaviors that influence lifestyle choices and student health and fitness. This is a one credit course offered over one year. This course provides students with opportunities to acquire the knowledge necessary to develop a personal fitness plan that includes core concepts of health-related fitness.

Students will also recognize lifestyle diseases that result from a lack of lifetime fitness and wellness. No single age group is more subject to avoidable health risks, and this course can help teens recognize and avoid these risks. Students will be subjected to various topics that are directly relevant to a teen during the adolescent years. Such subject areas will include, but are not limited to substance abuse, teen sexuality and abstinence, making responsible decisions, mental and emotional health, healthy relationships and responsibility, disease prevention and control including communicable and non-communicable diseases.

NOTE: Any student needing to take only one semester of the HOPE course (Hope Health or Hope Fitness) will be scheduled accordingly.

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Physical Education Department Course Descriptions

Team Sports I (1503350)

+Grade Level: 11th, 12th

+Credit Value: 0.5

+Prerequisite: Completion of H.O.P.E.

The purpose of this course is to enable students to acquire knowledge of team sports play, to develop skills in selected team sports, to maintain and/or improve health-related fitness. Content includes instruction in and practice of rules of play, sportsmanship, and teamwork. Team sports selected may include, but not be limited to, basketball, flag football, soccer, volleyball, speedball, and medic ball. Strategies of team sports play, skill acquisition, and the maintenance and/or improvement of personal fitness will be stressed.

Team Sports II (1503360)

+Grade Level: 11th, 12th

+Credit Value: 0.5

+Prerequisite: Completion of H.O.P.E.

The purpose of the course is to develop the physical skills necessary to be competent in many forms of movement, knowledge of team sports concepts such as offensive and defensive strategies and tactics, and appropriate social behaviors within a team or group setting. The integration of fitness concepts throughout the content is critical to the success of this course. Students will participate in a variety of team sports including but not limited to badminton, team handball, ultimate frisbee, flag football, kickball, pickleball, basketball, and basic weight training.

Life Skills 101 (8502000)

+Grade Level: 11th, 12th

+Credit Value: 0.5

+Prerequisite: None

This course is designed to help high school students enjoy a smoother transition to adulthood by providing a curriculum that addresses areas in focusing on managing resources to achieve personal goals: making informed consumer choices; creating and maintaining a sustainable living environment that supports the well-being of self and family; and evaluating and balancing finances, resume writing, college-bound, and other Real-World Basics.

Weight Training I, II, III (1501340) (1501350) (1501340)

+Grade Level: 11th, 12th

+Credit Value: 0.5

+Prerequisite: Completion of H.O.P.E.

This advanced strength and conditioning class was designed to provide each student-athlete with the knowledge needed to understand the importance of strength and fitness training. Student-athletes will understand the importance of setting goals for personal improvement and achievement and will leave the class with a lifelong understanding of how to maintain a good training atmosphere. Student-athletes will be expected to learn the location and function of muscle systems in the body. Students will be required to maintain weekly workout logs. The student-athletes will obtain a physical fitness for a healthy lifestyle. This course may be repeated.

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Physical Education Department Course Descriptions

Fitness for Life (1501310)

+Grade Level: 11th & 12th

+Credit Value: 0.5

This class is designed to provide a solid foundation for a healthy lifestyle while understanding the importance of physical fitness. This class will teach the fundamentals of physical activity, growth and development, proper nutrition, and personal safety. The students will engage in various activities to promote a healthy lifestyle, which can be carried on throughout a lifetime. These activities will help students' development physically, mentally, and socially while stressing positive attitudes and sportsmanship.

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STEM/Performing & Practical Arts Course Descriptions

All courses fulfill Practical Arts requirement

Applied Computer Skills (8200320)

+Grade Level: 9th (Required)

+Credit Value: 0.5

This course is designed to introduce students to the technology skills and foundations required in today's technology environment. Students will be introduced to the school's Learning Management System (LMS) – Moodle and the School's Informational System – RenWeb. Emphasis is placed on developing proficiency with desktop computers and tablets, and other computer applications and the use of these programs both in network environments and in the cloud. Students will also be introduced to keyboarding and coding. There will be a component on digital citizenship and responsible use of technology.

This course is delivered in a blended format where students receive instruction in regular scheduled classes while assignments are turned in through an online classroom management system.

CSIT I - CSIT Foundations I (9001210)

+Grade Level: 10th, 11th, 12th (Elective)

+Credit Value: 0.5

As an introductory course in information technology and computer science, topics include foundations in hardware, software, data, and procedures. Students are introduced to human computer interaction and digital design as well as aspects of appropriate digital business ethics and professional behavior. Interpersonal skills and collaboration/team building emphasized.

This course is delivered in a blended format where students receive instruction in regular scheduled classes while assignments are turned in through an online classroom management system.

CSIT II - Foundations II (9001220)

+Grade Level: 10th, 11th, 12th

+Credit Value: 0.5

Prerequisite: CSIT Foundations I

In this second course of our Computer Science/Information Technology program, we will introduce students to computing for problem solving and data analysis. It will provide students with opportunities to become "computational thinkers" who collect and analyze data to solve problems or increase efficiency in a variety of processes. Students will evaluate existing data sources, manage large amounts of data efficiently and collect and analyze their own data sets using forms and spreadsheets. The course will include aspects of Boolean logic, functions, graphs, and binary computing.

This course is delivered in a blended format where students receive instruction in regular scheduled classes while assignments are turned in through an online classroom management system.

2021/2022 Curriculum Guide

STEM/Performing & Practical Arts Course Descriptions

All courses fulfill Practical Arts requirement

CSIT III - AP Computer Science Principles (0200335)

+Grade Level: 11th

+Credit Value: 1.0

Prerequisite: CSIT Foundations I and II

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles also gives students the opportunity to use current technologies to create computational artifacts for both self-expression and problem solving.

Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.

Applied Robotics (9410100)

+Grade Level: 11th, 12th

+Credit Value: 0.5

+Prerequisite: None

The purpose of this program is to provide students with a foundation of knowledge and technically oriented experiences in the studies of the principles and applications of robotics engineering and its effect upon our lives and the choosing of an occupation. The content and activities will also include the study of entrepreneurship, safety, and leadership skills. This program focuses transferrable skills and stresses understanding and demonstration of the science and mathematics knowledge.

Foundations of Robotics (9410110)

+Grade Level: 11th, 12th

+Credit Value: 0.5

+Prerequisite: None

This course provides students with a foundation in content and skills associated with robotics and automation, including artificial intelligence, electronics, physics, and the principles of engineering. The purpose of this course is to provide students with the introduction to the knowledge, human relations, and technical skill necessary to design and build robots.

Journalism (I) (1006300)

+Grade Level: 11th, 12th

+Credit Value: 0.5

+Prerequisites: Application, samples of work requested and interview with the journalism teacher. Approval by journalism instructor and/or Fine Arts Department Chair.

This semester elective course is designed to teach students the fundamental principles and concepts of journalism. Through the production of the school publications and yearbook, this course provides opportunities for students to learn and to practice the skills needed to gather, write, and edit news copy; photojournalism skills; and habits of responsibility. This course may be repeated.

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All courses fulfill Practical Arts requirement

Journalism (II) (1006310)

+Grade Level: 11th, 12th

+Credit Value: 0.5

+Prerequisite: Application, samples of work as requested and interview with the journalism teacher. Approval by journalism teacher and/or Fine Arts Department Chair.

This semester course is designed to teach students the principles and concepts of yearbook design, layout, and production. Through the productions of school newsletter and yearbook, this course provides opportunities for students to learn and to practice the skills needed to gather, write, and edit news copy, photojournalism skills; advertising techniques; and habits of responsibility. This course may be repeated.

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Fine Arts Course Descriptions

All courses fulfill the Performing Arts requirement

ALL BAND AND CHORUS COURSES ARE YEAR-LONG OFFERINGS AND THOUGH THEY ARE ELECTIVES, MAY NOT BE DROPPED AT SEMESTER AS THIS WILL BE DISRUPTIVE TO THE STUDENTS OF THE CLASSES.

Speech I (1007305)

+Grade Level: 9th
+Credit Value: 0.5

Speech I is an introductory course in the art of successful public speaking. The student is offered knowledge about the preparation, organization, and presentation of a formal speech. Additionally, the student is offered training in listening and is encouraged to develop skills in giving and receiving constructive criticism.

Debate I (1007330)

+Grade Level: 10th, 11th, 12th
+Credit Value: 1.0
+Prerequisite: permission of Debate Team coach and instructor

The purpose of this course is to further develop the speech and debate skills specifically for those students signed up for and actively participating in the Cardinal Newman High School debate team. The class will focus on those skills for researching, preparing, and participating in the various events provided by the Catholic Forensic League (CFL), the Palm Beach County Catholic Forensic League (PBCCFL), and the National Forensic League (NFL). Enrolled students will be required to actively participate in a minimum of two PBCCFL Saturday tournaments and support members of the CNHS Debate Team. This course meets semester requirement for speech and may be repeated.

Art I Introduction to Visual Art (0101300)

+Grade Level: 9th, 10th, 11th, 12th
+Credit Value: 0.5
+Prerequisite: None

In this introductory course, students will become more aware of the Elements and Principles of Design in their daily surroundings and, of course, in works of art. They will build a foundation of visual communication skills by working in various media that includes drawing, painting, and three-dimensional forms. Throughout the semester, connections will be explored between art from different cultures and periods in history. This course aims to build artistic confidence and enable each student to recognize their own creative potential.

AP Art Studio /2D (0109350)

+Grade level, 10, 11, 12
+Credit Value 1.0
+Prerequisite: Portfolio/Approval of Teacher

This is a College Board freshman level college course that requires a high level of dedication and motivation in completing close to 20 outstanding art pieces for submission to the Portfolio exam at the end of the school year. Students that are successful in this course will receive 3 college credit hours (please check each individual

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Fine Arts Course Descriptions

All courses fulfill the Performing Arts requirement

University/College's policy on AP credit.) The 2-D Art & Design Portfolio consists of two different sections: Sustained Investigation and Selected Works. These sections will address design issues through investigation, design-making and application of the Elements and Principles of Art & Design. Any 2-D media may be used including but not limited to drawing, painting, collage, graphic design, and photography.

Drawing I (0104335)

+Grade Level: 10th, 11th, 12th

+Credit Value: 0.5

+Prerequisite: Art I: Introduction to Visual Art

This course introduces the student to right brain techniques of drawing beginning with direct observation of their environment as we naturally see it in point perspective. Using pencil, charcoal, marker and pastels, students will explore both realistic and non-representational approaches to drawing through a variety of projects. They will also become familiar with master artists from Giotto to John Singer Sargent and Wassily Kandinsky.

Drawing II (0104350)

+Grade Level: 10th, 11th, 12th

+Credit Value: 0.5

+Prerequisite: Drawing I

This course furthers the student's exploration of drawing through an advanced study of subjects, including architectural forms. Students will investigate specific techniques in a variety of drawing media. Experimentation with both realistic and abstract approaches to drawing will be encouraged. Students will also become familiar with master artists from Rembrandt to Picasso and Francesco Clemente.

Painting I (0104365)

+Grade Level: 10th, 11th, 12th

+Credit Value: 0.5

+Prerequisite: Art I: Introduction to Visual Art

In this course, the students explore the specific media of paint while developing their understanding of design and color theory. Using watercolor, tempera, and acrylic, students will explore both realistic and non-representational approaches through a variety of projects. They will also become familiar with master artists such as Winslow Homer and Jackson Pollock.

Painting II (0104380)

+Grade Level: 10th, 11th, 12th

+Credit Value: 0.5

+Prerequisite: Painting I

This course furthers the student's exploration of painting through an advanced study of subject matter and media. Students will investigate the specific techniques and processes for working with gouache and oil paint. They will experiment with both realistic and abstract approaches to painting. They will also become familiar with master artists such as Monet and William de Kooning.

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All courses fulfill the Performing Arts requirement

IB Art Studio I-A (0114815)

+Grade Level: 11th

+Credit Value: 1.0

Art Studio is a two-year curriculum that will begin during junior year with an entry level overall view of visual arts which includes line, space, texture, form, and color using a variety of media. The goal is to provide an in-depth study of the visual arts. In addition to creating artistic pieces, this course includes intense study and research of various artists. This course gives students an appreciation of various form of the creative process. A research workbook is required.

IB Art Studio II-A (0114825)

+Grade Level: 12th

+Credit Value: 1.0

+Prerequisite: Completion of Art Studio IA-IB

This course is a continuation of the Art Studio I-A-IB at an advanced level for the senior year with an overall view of visual arts which includes line, space, texture, form, and color using a variety of media. The goal is to provide an in-depth study of the visual arts. In addition to creating artistic pieces, this course includes intense study and research of certain “art areas” at an advanced level. This course gives students an advanced appreciation of the various forms of the creative process. A research workbook is required.

Chorus I (1303300)

+Grade Level: 9th, 10th, 11th, 12th

+Credit Value: 1.0

+Prerequisite: Audition

The purpose of this course is to provide students with instruction in the development of fundamental skills in choral singing. Emphasis will be placed on breath control, tone production, music notation, sight singing, ensemble performance and critical listening. The focus of this class will be on developing a school chorus that performs standard and contemporary vocal repertoire and would represent Cardinal Newman in the community. Members of this course will have required practices and performances after school hours throughout the school year. This course may be repeated.

Chorus II (1303310)

+Grade Level: 10th, 11th, 12th

+Credit Value: 1.0

+Prerequisite: Audition and permission of Chorus Director

This course is a continuation of Chorus I. It is intended for students who have achieved an advanced level of technical and musical vocal proficiency. Emphasis will be placed on further development of breath control, tone production, sight singing, sole and ensemble performance and critical listening. The focus of this class will be

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Fine Arts Course Descriptions

All courses fulfill the Performing Arts requirement

on developing a school chorus that performs challenging vocal repertoire and would represent Cardinal Newman in the community. Members of this course will have required practices and performances after school hours throughout the school year. This course may be repeated.

Band I (1302300)

+Grade Level: 9th, 10th, 11th, 12th

+Credit Value: 1.0

+Prerequisite: Audition and permission of Band Director

The purpose of this course is to provide students with instruction in the development of technical skills in the wind instruments. Emphasis will be placed on interpretation of notation and expressive performance markings, individual and ensemble performance, and critical listening. Members of this course will have required practices and performances after and/or before school hours throughout the school year. This course may be repeated.

Advanced Band (1302310)

+Grade Level: 10th, 11th, 12th

+Credit Value: 1.0

+Prerequisite: Audition and permission of Band rector

This course is a continuation of Band I. It is intended for students who have already achieved an intermediate or advanced level of technical skill in performance. Emphasis will be placed on further development of technical skill, musicianship, interpretation of notation and expressive performance markings, individual and ensemble performance, critical listening, and ear training. Members of this course will have required practices and performances after and/or before school hours throughout the school year. This course may be repeated.

Beginning /Intermediate Percussion (1302420)

+Grade Level: 9th, 10th, 11th, 12th

+Credit Value: 1.0

+Prerequisite: Audition and permission of Director

The purpose of this course is to provide students with instruction in the development of fundamental skills in percussion. Emphasis will be placed on mallet and stick implementation and on interpretation of notation and expressive performance markings, individual and ensemble performance, and critical listening. Members of this course will have required practices and performances after and/or before school hours throughout the school year. This course may be repeated.

Advanced Percussion (1302430)

+Grade Level: 10th, 11th, 12th

+Credit Value: 1.0

+Prerequisite: Audition and permission of Band Director

This course is a continuation of Beginning/Intermediate Percussion and is intended for students who have already achieved an intermediate to advanced level of technical skill in performance. Emphasis will be placed

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Fine Arts Course Descriptions

All courses fulfill the Performing Arts requirement

on further development of technical skill, interpretation of notation and expressive performance markings, individual and ensemble performance, and critical listening. Members of this course will have required practices and performances before and/or after school hours throughout the school year. This course may be repeated.

Jazz Ensemble (1302500)

+Grade Level: 9th, 10th, 11th, 12th

+Credit Value: 0.5

+Prerequisites: Audition and permission of Band Director

The purpose of this course is to provide intermediate and advanced students with instruction in the jazz idiom. The class will meet twice a week after school. Members of this course will have required practices and performances after school hours throughout the school year. This course may be repeated.

Dance Team / Eurhythmics I (1305300)

+Grade Level: 9th, 10th, 11th, 12th

+Credit Value: 0.5

+Prerequisites: Audition and permission of Dance Instructor

+Fee: To be determined to cover cost of equipment and costumes.

The purpose of this course is to provide students with instruction in the development of fundamental dance. This class will meet twice a week after school. Members of this course will have required practices and performances after school hours throughout the school year. This course meets the Performing Arts requirement and may be repeated.

IB Music SL Group Performance II (1300818)

+Grade Level: 12th

+Credit Value: 1.0

+Prerequisite: Completion of IB Music SL Group Performance I

This is a two-year course that is a subject in Group 6 of the IB curriculum. Students will work toward building a portfolio which will include recordings of live performances and a musical links paper, comparing music from two diverse cultures. IB Music students perform as either members of the Cardinal Newman Wind Ensemble or Chorus. Half of their class is spent rehearsing and receiving performance-based instruction. The other half of the class is devoted to learning how to analyze music both aurally and through visual score study. Topics covered will include elements of music theory, Western music history from the Middle Ages to present times, and the study of musical cultures across the world. Members of this course will have required practices and performances after and/or before school hours throughout the school year.