

MOUNT NOTRE DAME



PROGRAM OF STUDIES

2012 -2013

ACCREDITED BY ADVANCED
(FORMERLY THE NORTH CENTRAL ASSOCIATION)
AND THE OHIO CATHOLIC SCHOOL
ACCREDITING ASSOCIATION

MOUNT NOTRE DAME

Mission Statement

With faith in the “goodness of God,” Mount Notre Dame empowers young women, guided by Catholic values, to recognize and develop their unique capabilities to live, lead, and serve in an ever-changing global society.

Vision Statement

As the learning community of choice for young women and their parents, Mount Notre Dame

- attracts and values young women with diverse talents and backgrounds;
- excels in all aspects of Catholic, college preparatory education;
- graduates empowered and accomplished women who live, lead, and serve in an ever-changing, global society.

A Mount Notre Dame Empowered Young Woman

- lives by Gospel values to create a just world
- possesses a solid sense of self
- pursues life-long learning
- leads while serving
- communicates effectively
- seeks and accepts challenges
- solves problems by thinking critically
- values difference
- acts purposefully with integrity

Core Values

As a learning community, Mount Notre Dame

- is rooted in Catholic faith and tradition;
- embraces the heritage and traditions of St. Julie Billiart and the Sisters of Notre Dame de Namur;
- commits to excellence in all areas of Catholic education;
- discovers the goodness of God in each person and event;
- values diversity;
- prepares young women to be life-long learners;
- serves the broader community;
- provides a challenging yet supportive environment;
- enables each young woman to be an individual and to reach her full potential.



January 2012

Dear Students and Parents,

Welcome to the ***Program of Studies*** booklet for the 2012-2013 school year!

We are pleased to present the course offerings for next year. As always, Mount Notre Dame is quite excited about the new possibilities that have become available as a result of the revisions and additions to our curriculum. For the next school year, you will notice a few new courses that have been woven into our strong course of study. Both the Mathematics Department and the Science Department have created new offerings to further support our 21st Century Learners. Furthermore, we have redesigned several of our offerings in the Visual Arts and Information Technology and Business Departments.

Our professional faculty members have prepared a solid course of study based upon the best curriculum content and standards at every academic level. We are confident that your academic experiences here will provide you with a solid foundation for your future beyond Mount Notre Dame. We are, of course, always committed to providing the best education for every student.

Please take considerable time to review this booklet. Learn about our curriculum and the extensive opportunities that are available at Mount Notre Dame. Pay special attention to the four-year planning guide which will help you prioritize and plan for courses in the upcoming years. Please utilize our guidance counselors and teachers as sounding boards for questions about your choices and the particular courses that you will take. We are more than willing to guide you through your planning.

Helpful comments about the ***Program of Studies*** booklet are welcome and may be brought to my attention. An online version of this document will also be available at <http://www.mndhs.org>.

Sincerely,

A handwritten signature in black ink that reads "Karen M. Day". The signature is fluid and cursive, with a long, sweeping tail on the letter "y".

Karen M. Day
Academic Dean
Mount Notre Dame High School
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Table of Contents

General Scheduling Information	1 - 8
English	9 - 12
Foreign Languages	13 - 18
Information Technology & Business	19 - 20
Mathematics	21 - 26
Ministry and Religious Study	27 - 29
Performing Arts	30 - 32
Physical Education & Health	33
Science	34 - 40
Social Studies	41 - 45
Visual Arts	46 - 50
NCAA Information	51

MOUNT NOTRE DAME SCHEDULING CALENDAR

January – March 2012				
Monday	Tuesday	Wednesday	Thursday	Friday
JANUARY 16 NO SCHOOL MLK Holiday	17 [1]	18 [2]	19 [3] Course Selection Information Received in Homeroom	20 [4]
23 [1]	24 [2]	25 [3] Scheduling Information Assemblies SOPHOMORES (CD) and JUNIORS (GH)	26 [4] Scheduling Information Assembly FRESHMEN (AB)	27 [1] Course Recommendations Received in Homeroom
30 [2] Curriculum Day (Explanation below)	31 [3] Juniors – Scheduling during English class	FEBRUARY 1 [4] Juniors – Scheduling during English class	2 [1] Juniors – Scheduling during English class	3 [2] Juniors – Scheduling during English class
6 [3] Juniors – Scheduling during English class	7 [4] Juniors – Scheduling during English class	8 [1] Freshmen – Scheduling during English class	9 [2] Freshmen – Scheduling during English class Junior Forms Due	10 [3] Freshmen – Scheduling during English class
13 [4] Freshmen – Scheduling during English class	14 [1] Freshmen – Scheduling during English class	15 [2] Freshmen – Scheduling during English class	16 [3] Sophomores – Scheduling during English class Freshman Forms Due	17 [4] Sophomores – Scheduling during English class
20 NO SCHOOL President's Day Holiday	21 [1] Sophomores – Scheduling during English class	22 [2] Sophomores – Scheduling during English class	23 [3] Sophomores – Scheduling during English class	24 [4] Sophomore Forms Due

CURRICULUM DAY

On **Monday, January 30**, Mount Notre Dame will operate on a modified schedule in order to answer questions about scheduling and courses for the 2012-2013 school year. MND emphasizes the importance of a solid academic program that suits the needs and abilities of our students. Students are encouraged and expected to utilize the time provided on this day. Some common uses for Curriculum Day include:

- Visiting a current course teacher or counselor to discuss readiness, recommendations, and/or prerequisites or to obtain the appropriate signature or application for the course;
- Visiting a teacher of a course to seek information about the content, structure, and requirements of the course;
- Visiting a department chairperson or counselor to discuss prerequisites or pathways to reach a course within your four-year plan.

ADDITIONAL IMPORTANT DATES

DATE	EVENT
March 2, 2012	MND registration fee due to main office.
March 30, 2012	Parent/student initiated schedule changes after this date require a \$50 schedule change fee.
March 30, 2012	Completed waiver* forms due. *Required for CP1 courses for which a student was not recommended.

SCHEDULING POLICIES AND PROCEDURES

Teachers make recommendations for courses after the first semester. Student placement will be reevaluated at the end of the third quarter. The academic dean can waive course prerequisites in individual cases where appropriate.

In order for a course to carry for the upcoming school year, an adequate number of students must be enrolled. Students will be notified in April should a course selection need to be changed.

WAIVERS: A waiver conference and signed form are required when a student is not recommended for a course. The student should see her counselor to pick up the appropriate waiver form which will give further instructions on the process. Waivers are not permitted for entry into Honors or Advanced Placement courses. Waiver forms are due no later than March 30, 2012.

Generally, students who fail a subject will be required to make up the credit during summer school or in a night class. Most courses required at the junior level may not be repeated at Mount Notre Dame during the senior year.

Mount Notre Dame Graduation Requirements

The MND student seeks a college preparatory education in a faith-filled environment. Education at MND is a four-year experience and, therefore, we do not honor requests for early graduation. We believe in educating the complete person in the areas of spirituality, academics, physical, emotional, and social health. In addition to attending MND for four years, the following criteria must be met in order to earn a Mount Notre Dame diploma:

- The student must earn a minimum of 23 credits (see list below).
- The student must successfully complete the MAP (My Action Plan) process.
- The student must pass the five sections of the Ohio Graduation Test (OGT).

Graduation Requirements Classes 2013-2016

Religion	4 credits
English	4 credits
Social Studies (U.S. and World History/Government/Economics)	3.5 credits
Mathematics (through Algebra 2)	4 credits
Science (1 Life/1 Physical)	3 credits
Physical Education	.5 credits
Health	.5 credits
Information Technology	.5 credits
Performing/Visual Arts	1 credit
Foreign Language	2 credits

HONORS DIPLOMA, HONOR ROLL, AND CLASS RANK*

****At press time, MND is currently reviewing all policies related to Honor Roll, GPA and class rank. Any changes that may be made to these policies will be made during the summer (between school years) and not during the course of a school year. As well, any changes for the 2012-2013 school year will be sent in written format to parents and also communicated to colleges and universities, as appropriate, to raise awareness regarding our standard transcript for students.***

Mount Notre Dame offers a college preparatory academic program. Individual courses are offered at a variety of academic levels. The academic level of a course is printed next to the course name. Honor Roll (each quarter) and unweighted GPA (each semester) are calculated using a non-weighted scholastic average.

Mount Notre Dame is pleased to offer the Diploma with Honors as determined by the State of Ohio Office of Education. To earn the Diploma with Honors a student must meet seven of the following eight criteria:

1. Four units of English.
2. Four units of mathematics, including algebra I, algebra II, geometry and another higher level course or a four-year sequence of courses which contains equivalent content.
3. Four units of science, including one unit of physics and one unit of chemistry.
4. Four units of social studies.
5. Three units of one foreign language or two units each of two foreign languages.
6. One unit (total) of visual or performing arts.
7. An overall high school grade point average unweighted, of at least a 3.5 on a four-point scale, up to the last grading period of senior year.
8. A composite score of 27 on the ACT or a combined score of 1210 on the SAT verbal and mathematics sections.

Class rank is calculated using a weighted system of quality points. Weighted GPA is also calculated using the weighted quality points. Specific weights are indicated below.

COURSE LEVEL	QUALITY POINTS
NHR – Non-Honor Roll	None
CP2	1.00 x course average
CP1	1.10 x course average
HON – Honors	1.20 x course average
AP – Advanced Placement	1.25 x course average

As always, Mount Notre Dame encourages a student to take the highest level of a course that is within her academic potential. Doing so will highlight the student's capabilities as well as allow the student to obtain the most curricular content within a given subject area.

MOUNT NOTRE DAME'S TRANSCRIPT

The Mount Notre Dame Transcript is the official student record provided to other academic institutions, scholarship services and/or other agencies upon written request of a student and her guardian. The Transcript is our official, formatted document that is standardized for all MND students. Requests to change the official MND Transcript will be declined. A student's MND counselor can provide information on how to request a Transcript.

The components of the MND Transcript include:

- Basic student data including address and phone number, entry date, parent's names, birthplace, birth date and religion;
- A list of courses taken prior to entering MND (transfer credits), the earned final grades and the earned credit; (These grades do not count in the MND GPA.)
- A list of courses taken at MND, the earned final grades and the earned credit. (These grades count in the MND GPA.)
- A list of courses taken outside of MND but after the first day of school at MND, the earned final grades and the earned credit; (These grades count in the MND GPA.)
- Yearly statistics including days absent, tardy and early dismissals, cumulative average, cumulative unweighted and weighted GPA, total credits and class rank;
- Standardized testing records including OGT passing scores and SAT and ACT scores.

Mount Notre Dame Credit Options

In accordance with Senate Bill 311, MND is pleased to offer students several options to earn credit towards graduation. A synopsis of each option is presented here. The student who is interested in pursuing Options II or III should meet with her counselor as soon as possible.

OPTION I: Traditional coursework. The student can earn credit by completing courses taught by the faculty at Mount Notre Dame.

OPTION II: Post-Secondary Option. The Post-Secondary Enrollment Options Program (PSEOP) is designed to allow academically talented students to take university course(s) on a college campus while enrolled in high school. PSEOP is a state-funded opportunity in partnership with local colleges. The student must meet specific post-secondary criteria and the funding is limited. This option is open to students of all grade levels. To fully understand all factors of this option, the interested student should set up an appointment with her counselor during the scheduling process. The student must take religion at Mount Notre Dame. Additionally, the student must take a minimum of seven credits.

OPTION III: Credit Flexibility. The Credit Flexibility option allows a student to seek non-traditional methods for earning credit. Non-traditional coursework includes credit-by-tutor, online coursework, proof of curriculum mastery, educational travel, dual credit, independent study, internships, community service, music and the arts, or any other individualized project work. There are four types of Credit Flexibility options at MND.

TYPE A: Teacher Directed Credit Flexibility. In this type, the student will learn via a traditional teacher-student scenario. This includes credit from another certified educational institution, credit by (licensed) tutor, online coursework, or dual credit options. Dual credit options are partnerships with local colleges that allow the student to earn collegiate credit for a course taken at MND. Information about dual credit courses at MND will be available from the course teacher. The student interested in earning credit from another educational institution, credit by (licensed) tutor, or online coursework should meet with her counselor to fill out the appropriate paperwork. Once the paperwork is complete, final approval must be granted by the academic dean. Fees for the courses are the responsibility of the student and family. Students may be asked to demonstrate curriculum mastery in courses that are prerequisites for other MND courses. There is a \$100 fee for the administration of these tests except when the instruction has been provided by a MND faculty member or affiliate.

NOTE REGARDING AP COURSES: Students who take an AP course online or through another licensed teacher must provide written documentation that the AP Teacher has been audited and approved to teach the AP course by The College Board. If sufficient proof is not provided, MND will award honors credit rather than AP credit on the student transcript and in GPA calculations.

TYPE B: Proof of Curriculum Mastery. In this type, the student may request to demonstrate curriculum mastery through standardized assessment. This means that the student has obtained the knowledge through a non-traditional manner. For example, a native Spanish speaker may attempt to prove curriculum mastery in several Spanish courses. In most cases, MND will assume that the student demonstrates mastery by attempting and passing the course midterm and/or final exams. In certain instances, some additional coursework may be required in order to demonstrate mastery. This may occur such as a research paper or major project. The interested student should meet with her counselor to discuss the request. The department chairperson will provide a list of topics and/or additional coursework for the student upon request. There is a \$100 fee to administer the tests and/or evaluate additional coursework.

TYPE C: Independent Study. In this type, the student works partially with a licensed teacher and partially in an independent environment. Students must seek an MND teacher who is willing to enter into the Independent Study contract with them. There is no expectation on the part of MND teachers to accept requests. The interested student should meet with her counselor to discuss the request. The counselor will work with the academic dean to complete the appropriate paperwork. The cost for an independent study course at MND is \$400 for a full-credit course and \$200 for a half-credit course.

TYPE D: Specialized Credit Study. In this type, the student works independently of the school to learn and earn credit. This category includes internships, educational travel, credit by (non-licensed) tutor, special project, or any other option not listed in Types A, B, or C. The interested student must proceed according to the following guidelines.

- The interested student should set up an appointment with her counselor to discuss the Specialized Credit Study.
- The counselor will provide the student with the Specialized Credit Study Checklist and Application which will guide the student in writing her proposal.
- Specialized Credit Study proposals will be accepted from March 1st through March 31st for year-long, summer, or first semester coursework and September 15th through October 15th for second semester coursework. NOTE: Retroactive proposals are not accepted.
- Proposals will be reviewed by a committee comprised of the academic dean, a guidance counselor, and a subject area teacher.
- Upon successful acceptance of a Specialized Credit Study proposal, the student and parent will be asked to sign a Specialized Credit Study Contract. The student will then be assigned a faculty member to serve as “Teacher of Record.” This teacher will monitor student progress on the timeline. *NOTE: The Teacher of Record is not responsible for teaching, tutoring, or reviewing any of the work.
- The cost for a Specialized Credit Study will be based on the required guidance/supervision provided by MND and the amount of credit. The exact cost will be outlined in the Specialized Credit Study Contract. Fees will range from \$200 - \$600.
- All financial costs associated with the acquisition of the knowledge and/or resources are the responsibility of the student and family.
- MND remains committed to our mission, values, and Catholic foundation. Student proposals that are not in alignment with these beliefs will not be considered.
- Appeals for declined proposals may be made to the Head of School. The Head of School’s decision is final.

Student Athletes

The student should speak with her counselor to evaluate the impact of Credit Flexibility on athletic eligibility.

High School Athletics—To be eligible to play interscholastic high school sports, a student must be currently enrolled and must have been enrolled in a minimum of five full credit courses during the prior quarter. A student enrolled in Credit Flex courses must, at the end of the grading period be “passing” all Credit Flex courses used to establish athletic eligibility. Even though the student may not yet have completed the courses, it must be determined that the student is “passing” the course(s) at the time the quarter ends. If it is determined that the student is not passing, no credit toward the five credits required for eligibility can be awarded.

College Athletics— Students who anticipate continuing participation in sports at the college level should carefully consider the possibility that the NCAA Initial Eligibility Center may not include some Credit Flexibility options as part of the qualifying core courses required for Division I and II eligibility. For potential college student athletes, the NCAA eligibility requirements specifically address the types of learning opportunities available through the Credit Flexibility policy (e.g., online/distance learning, independent study, one course taken over two years). The NCAA does not allow “credit by Proof of Curriculum Mastery” to be applied to core course eligibility requirements. *If you expect to play college sports, you must check with your counselor to ensure that any credits taken through Credit Flex will meet the NCAA Eligibility Center standards.*

Mount Notre Dame Advanced Placement Program

Mount Notre Dame is proud to offer a structure of Advanced Placement courses for the academically advanced student. These courses follow the College Board curriculum and recommendation in order to prepare students for the Advanced Placement tests offered each May. Many colleges award Advanced Placement credit dependent upon testing results. The College Board website (www.collegeboard.com) gives details regarding the AP Program and research surrounding student achievement.

Benefits of an Advanced Placement program:

Gain the Edge in College Preparation

- Get a head start on college-level work.
- Improve your writing skills and sharpen your problem-solving techniques.
- Develop the study habits necessary for tackling rigorous course work.

Stand Out in the College Admissions Process

- Demonstrate your maturity and readiness for college.
- Show your willingness to take the most rigorous courses available to you.
- Emphasize your commitment to academic excellence.

Broaden Your Intellectual Horizons

- Explore the world from a variety of perspectives, most importantly your own.
- Study subjects in greater depth and detail.
- Assume the responsibility of reasoning, analyzing, and understanding for yourself.

<http://www.collegeboard.com/student/testing/ap/about.html>

Advanced Placement tests cost approximately \$90. The fee is collected in March during test registration. For the 2012-2013 school year, Mount Notre Dame will offer eighteen (18) Advanced Placement courses. More detailed course descriptions can be found within the *Program of Studies* booklet. The courses are:

2012-2013 Advanced Placement Course Offerings at Mount Notre Dame High School		
Biology	Calculus AB	Chemistry
English Literature	French Language	Human Geography
European History	Statistics	Physics B
Psychology	U.S. History	Studio Art: 2-D Design
Spanish Language	World History	Studio Art: 3-D Design
U.S. Government & Politics	Latin: Vergil and Caesar	Studio Art: Drawing

Students who wish to prepare for any additional College Board Advanced Placement tests outside of our curriculum may elect to take the College Board AP test at Mount Notre Dame High School. The interested student should speak to her counselor regarding this option. The additional tests are:

Art History	Calculus BC	Chinese Language and Culture	Comparative Government and Politics
Computer Science A	Computer Science AB	English Language	Environmental Science
French Literature	German Language	Italian Language and Culture	Japanese Language and Culture
Java	Latin Literature	Physics C	Macroeconomics
Microeconomics	Music Theory	Spanish Literature	Russian Language

COLLEGE ENTRANCE REQUIREMENTS

As a Mount Notre Dame student, you are on the Road to College. As a senior, you will send in applications to the colleges of your choice. Every college sets some standards for evaluating the prospective student. **The number one criterion for admission as reported by college admission representatives is the strength of the high school curriculum.** With this in mind you are encouraged to take the most rigorous curriculum available to you. Sometimes a student asks if she should take an honors course and probably get a B or take the non-honors course and get an A. The counselors have repeatedly asked admission representatives this question and they unanimously say take the harder course.

Some colleges have what is called an Open Admissions policy. These colleges admit virtually all high school graduates regardless of grades and test scores. However, even these colleges look at what courses you have taken in high school to determine which courses you will be allowed to take.

Other criteria that colleges use include:

- **ACT** and **SAT** scores
- **Grade Point Average** – Mount Notre Dame computes both a weighted (based on difficulty level of the class taken) and unweighted GPA every semester.
- **Class rank** – Mount Notre Dame computes a weighted rank.
- **Leadership**
- **Extracurricular Activities**
- **Community Service**
- **Essay**
- **Recommendation from a teacher or counselor**
- **Interview**

Particular colleges may not put these criteria in the exact above order or even use all the above criteria. It is up to the student to check what variations her colleges use.

The State of Ohio has established minimum course requirements for students who want to pursue a four-year degree at an Ohio public university. These are:

❖ English	4 credits
❖ Math	3 credits through Algebra II
❖ Science	3 credits
❖ Social Studies	3 credits
❖ Foreign Language	2 credits – of the same language through the 2 nd level of that language
❖ The Arts	1 credit – from the Visual and/or Performing Arts departments

COLLEGE ENTRANCE SUGGESTIONS

- Each student is encouraged to take as much math as possible.
- The strongest preparation in science includes *Biology*, *Chemistry*, and *Physics* (one of each of the foundation sciences).
- Each student is encouraged to take foreign language at least through the 2nd level.

Please note that 93% of the students admitted to The Ohio State University for the Fall quarter of 2011 exceeded the minimum requirements in math, 83% exceeded the minimum requirement for natural science, 99% exceeded the minimum requirement in social studies, and 90% exceeded the minimum requirements in foreign language. The Ohio State University feels success in these high school courses is the best predictor of success in college.

MOUNT NOTRE DAME – FOUR YEAR PLAN WORKSHEET
 This plan sheet will work for members of all classes – 2013, 2014, 2015 and 2016.

Minimum Graduation Requirements			
Religion	4.00	Physical Education	.50
English	4.00	Health	.50
Social Studies	3.50	Information Technology	.50
Mathematics	4.00	Performing/Visual Arts	1.00
Science (1 Life/1 Physical)	3.00	Foreign Language	2.00
TOTAL CREDITS REQUIRED		23.00 *	

* To receive a diploma, a student must also pass all required Ohio Graduation Tests

	GRADE 9	GRADE 10	GRADE 11	GRADE 12
CLASS 1	RELIGION I (1 credit)	RELIGION II (1 credit)	RELIGION (1 credit)	RELIGION (1 credit)
CLASS 2	ENGLISH I (1 credit)	ENGLISH II (1 credit)	ENGLISH III (1 credit)	SENIOR ENGLISH (1 credit)
CLASS 3	GLOBAL PERSPECTIVES/ AP HUMAN GEOGRAPHY (.5 credit) HEALTH (.5 credit)	U.S. HISTORY (1 credit)	WORLD HISTORY (1 credit)	GOVERNMENT (.5 credit)
CLASS 4	MATH (1 credit)	MATH (1 credit)	MATH (1 credit)	MATH (1 credit)
CLASS 5	BIOLOGY & BIOLOGY LAB (1 credit)	SCIENCE (1 credit) <small>(could require a block and half)</small>	SCIENCE (1 credit) <small>(could require a block and half)</small>	
CLASS 6	STUDY			
CLASS 7	P.E. I (.25 credit) TECH LIT or TECH APPS (.5 credit)	P.E. II (.25 credit)		
CLASS 8				

NOTE: No student may be scheduled for more than the equivalent of one full block of study.

REQUIRED COURSES NOT LISTED IN PLAN WORKSHEET:

Year	Course	Credit
	Economics	.50
	Foreign Language – List course(s) and credit	2.00 total
	Performing/Visual Arts – List course(s) and credit	1.00 total

ENGLISH

The English curriculum at Mount Notre Dame complies with and exceeds the skills as defined in the State of Ohio English Standards.

ADVANCED PLACEMENT AND HONORS PROGRAM

The Advanced Placement (AP) program (12th year) is an accelerated course of study in written expression, research, and literary analysis. The AP student has the opportunity to do college-level work and earn college credits.

Honors courses are for the 9th, 10th, and 11th year student who has demonstrated promise and who may later be eligible for the Advanced Placement program.

In general, a freshman who scores at the 80th percentile or above on the verbal areas of the MND placement test is eligible for placement in Honors English. ***A cumulative average of 85% or above in the current English course is required at the end of the third quarter for entrance into the next year of the Honors/AP programs.*** A transfer student who wishes to enroll in Honors/AP may be asked to take a placement test.

HONORS ENGLISH I - HON

9

1

The student studies various genres of literature, expanding her knowledge of what makes writing work, so that she may apply these skills to her own compositions. The student also enhances her speaking and vocabulary skills.

HONORS ENGLISH II - HON

10

1

This course is a study of American literature with emphasis on literary genre and styles. The student concentrates on imaginary and expository writing, as well as enhancement of her vocabulary and speaking skills. A research paper in Modern Language Association (MLA) style is also an important part of the writing curriculum.

HONORS ENGLISH III - HON

11

1

This survey of selected literary masterpieces of British authors provides a deeper understanding of our literary heritage and universal human themes. A research paper is required, as is expository writing.

ADVANCED PLACEMENT ENGLISH - AP

12

1

This is the culminating course in the Honors English program. It is an accelerated literature and composition class, which prepares the student for the College Board AP test in *English Literature and Composition*. While there is a strong focus on British literature, important works from other traditions are included. Frequent writing assignments of all kinds may be expected.

A student who has met the English Department requirements for *AP English* and answers affirmatively to the following questions should enroll in the *AP English* class.

- Am I an avid reader? Do I enjoy reading various kinds of material, such as fiction, non-fiction, poetry, drama, etc.?
- Am I excited about expressing myself in various kinds of writing, about sharing my writing with others, and about examining the ways that other writers have used language successfully?
- Am I curious about words, how they are formed, their histories, their subtle shades of meaning, and the ways that they are creatively used to express ideas?

ENGLISH

COLLEGE PREP PROGRAM

English placement for grades 10-12 is based upon the current English average at the end of the third quarter and the recommendation of the current English teacher. An average of 77% or higher in a CP1 English course should be maintained in order to gain a CP1 recommendation for the following year. Final placement is at the discretion of the current English teacher.

ENGLISH 9

<u>ENGLISH I CP1</u>	9	1
This course includes study in literature, composition, usage, grammar, library research skills, oral communication, and vocabulary development.		

<u>ENGLISH I CP2</u>	9	1
This course includes the study of literature, composition, usage, grammar, library research skills, and vocabulary. It provides for the reinforcement and expansion of fundamental language and reading skills.		

<u>ACADEMIC TRANSITIONS - CP2</u>	9	1
This is a year-long, concentrated course in reading and language skills. Recommendation for this course is based on MND placement test results. The course takes an integrated approach, emphasizing study skills, reading comprehension, grammar, and other basic skills necessary for success at MND.		

ENGLISH 10

<u>ENGLISH II CP1</u>	10	1
The student focuses on American literature, learning to appreciate American authors, styles, and themes. Among the writing assignments is an extended research essay using MLA style.		

<u>ENGLISH II CP2</u>	10	1
This course covers the same topics as <i>English II CP1</i> with a less intense approach.		

ENGLISH 11

<u>ENGLISH III CP1</u>	11	1
This course is an in-depth study of works written by classic authors, such as Geoffrey Chaucer, Jane Austen, the Bronte sisters, Charles Dickens, Lord Byron, Samuel Taylor Coleridge, and William Shakespeare, as well as more recent authors, such as George Bernard Shaw, Lewis Carroll, and William Golding. The characteristics of particular literary periods as well as literary techniques and terms will be learned and applied to the literature. Writing will include essays of literary analysis and a research essay that addresses an argumentative or expository topic.		

<u>ENGLISH III CP2</u>	11	1
This course covers the same topics as <i>English III CP1</i> with a less intense approach.		

ENGLISH

ENGLISH 12

A senior who is *not enrolled* in the AP English program takes two semester courses during which students study rhetoric and literature.

ENGLISH IV RHETORIC CP1

12

.5

Rhetoric is the art of written and oral communication. In this course, the student will become competent in a variety of effective written and oral communication techniques, learn to manage communication apprehension, deliver presentations, and adapt her message to different audiences. She will develop skills in self-reflection, critical thinking, argument formation, and interpersonal interactions. Assignments will include writing a college essay, reading and writing a memoir, and professional writing. The student will also present speeches and continue in the study of vocabulary.

ENGLISH IV RHETORIC CP2

12

.5

This course covers the same topics as *English IV Rhetoric CP1* with a less intense approach.

ENGLISH IV LITERATURE CP1

12

.5

This class will introduce the student to multicultural literature. In this course, the student will study various genres, including novels, contemporary short stories, and poetry. There will be two major writing requirements: (1) a literary analysis research essay using MLA format and (2) either a college essay or a creative paper. Other writing assignments will be incorporated, such as journals, in-class essays, and reflections. Additionally, the student will continue in the study of vocabulary.

ENGLISH IV LITERATURE CP2

12

.5

This course covers the same topics as *English IV Literature CP1* with a less intense approach.

NON-CORE ELECTIVE COURSES

CREATIVE WRITING I - CP1

10/11/12

.5

CREATIVE WRITING II - CP1

10/11/12

.5

The student has the opportunity to write a variety of genres, including narratives, poems, descriptive/humorous sketches, and short plays. She learns about submitting work for publication and is encouraged to do so. Each quarter the student submits a portfolio of her best work that is due at the end of the grading period. A class anthology is published at the end of the semester.

Prerequisite for *Creative Writing I* as a sophomore: Placement in *Honors English* freshman year and recommendation of *Honors English* teacher.

Prerequisite for *Creative Writing I*: Recommendation of current English teacher and a writing sample submitted for evaluation.

Prerequisite for *Creative Writing II*: Recommendation of *Creative Writing* teacher or recommendation of the English Department Chair.

ENGLISH

JOURNALISM I - CP1

10/11/12

1

The student will study and practice the art of journalism through theory and practical application. The course will introduce skills such as news writing, feature writing, editorial writing, headline writing, copy editing, and interviewing. These skills are applied through the publication of the on-line school newspaper. *This course is not a substitution for one of the four English credits required for graduation.*

Prerequisite: 85% cumulative *English* average and recommendation of an English department teacher.

JOURNALISM II - CP1

11/12

1

JOURNALISM III - CP1

12

1

The student will continue to practice and develop skills acquired in the previous *Journalism* course. The student will serve in leadership positions, edit *Journalism I* students' work and play significant roles in the publication of the newspaper. *This course is not a substitution for one of the four English credits required for graduation.*

Prerequisite: Previous level of *Journalism* and recommendation of the teacher.

CLASSICAL LANGUAGES: HONORS PROGRAM

HONORS LATIN II- Semester 1 HONORS LATIN II- Semester 2 9/10/11/12 .5 each sem.
This course is designed to challenge the advanced language student in Books Two and Three of the Cambridge Latin Course. There is deeper involvement in the grammar and reading of the Latin language and emphasis on Roman history, emperors, and mythology.

Prerequisite: *Latin I* and recommendation of the teacher.
(The Foreign Language Placement Assessment will be used for grade 9.)

HONORS LATIN III 10/11/12 1
Students opting to take *Latin III* will find a deeper investigation into the complexities of the language while focusing on historical characters and situations in two different parts of the Roman Empire in the first century A.D. Emphasis in the course will be on perfecting translation skills, understanding complex sentence structures, and developing a larger knowledge base in both Latin and English vocabulary.

Prerequisite: *Latin II* and recommendation of the teacher.

HONORS LATIN IV 11/12 1
This course is designed to challenge the advanced language student in Book Four of the Cambridge Latin Course. There is completion of grammatical constructions with heavy emphasis on Latin literature. Much reading of Latin authors such as Martial, Ovid, Catullus, and Vergil.

Prerequisite: *Latin III* and recommendation of the teacher.

AP LATIN: VERGIL AND CAESAR 11/12 1
This course will prepare students to take the AP exam, and will cover Vergil's *Aeneid* and Caesar's *Gallic Wars*. Students are expected to translate accurately into English the poetry they are reading and to demonstrate a grasp of grammatical structures and vocabulary. Since the appreciation of Latin literature requires an understanding of the literary techniques of Latin writers and of poetic meters when appropriate, stylistic analysis is an integral part of the advanced work in the course. In addition, this course includes the study of the cultural, social, and political context of the literature.

Prerequisite: *Honors Latin III* or *Honors Latin IV* and recommendation of the teacher.

MODERN FOREIGN LANGUAGES

BEGINNING SPANISH PART 1 - CP2 9/10/11/12 1
The student is introduced to the language and culture of the Hispanic world at a less rigorous pace than that of *Spanish I*. Vocabulary acquisition, listening, speaking, reading and writing skills are emphasized. **This course and the following (*Beginning Spanish Part 2*) will prepare the student to take *Spanish II*.** In this CP2 sequence, *Spanish I* is studied over a two year period.

**Prerequisite: 9 - Between 35th and 50th percentile on the verbal areas of the placement test.
10, 11 - Cumulative average of 77% in current *English CP2* class or waiver.
This class is not open to English CP1 students with a grade of 85% or higher.**

Note: *Beginning Spanish Part 1* must be followed by *Beginning Spanish Part 2*.

FOREIGN LANGUAGES

BEGINNING SPANISH PART 2 - CP2

10/11/12

1

This course is designed to follow *Beginning Spanish Part 1*. Listening, speaking, reading, and writing skills are reinforced. Structure and grammar acquisitions complete the student's knowledge needed to advance to *Spanish II*.

Prerequisite: *Beginning Spanish Part 1*.

FRENCH I - CP1, Semester 1

FRENCH I - CP1, Semester 2

9/10/11/12

.5 each sem.

SPANISH I - CP1, Semester 1

SPANISH I - CP1, Semester 2

9/10/11/12

.5 each sem.

The student is introduced to the language and culture of the French or Hispanic world. The course follows a sequence of listening, speaking, reading, and writing as the student experiences the basic structures of the language (grammar) and vocabulary. She communicates about her friends, family, school, and leisure activities.

Prerequisite: 9 - 50th percentile or above on the verbal areas of the placement test.

10, 11, 12 - 80% cumulative average in current *English CP1* class.

Prerequisite for Semester 2: Completion of Semester 1.

SPANISH I ADVANCED CP1

9

1

This course is designed for the student who has prior experience in Spanish but has not completed the level one grammar and vocabulary requirements. Basic vocabulary (colors, numbers, greetings, and basic phrases) and verb conjugation are reviewed. New grammar, culture, and vocabulary are emphasized. The course follows a sequence of listening, speaking, reading, and writing.

The Foreign Language Placement Assessment will determine eligibility.

FRENCH II - CP1, Semester 1

FRENCH II - CP1, Semester 2

9/10/11/12

.5 each sem.

SPANISH II - CP1, Semester 1

SPANISH II - CP1, Semester 2

9/10/11/12

.5 each sem.

The student increases her ability to communicate in the language by practicing listening, speaking, reading, and writing skills. She experiences new grammatical structures and vocabulary. She becomes more familiar with the French or Hispanic cultures by reading about lifestyles, concerns, and interests.

Prerequisite: *French I* or *Spanish I* and recommendation of the teacher.

(The Foreign Language Placement Assessment will be used for grade 9.)

SPANISH II CP2

10/11/12

1

This course is designed to follow *Beginning Spanish Part 2* or to provide a slower second-year course for students who have completed *Spanish I*. The student will increase her ability to communicate in Spanish by reviewing fundamentals in listening, speaking, reading, and writing skills at a less rigorous pace than *Spanish II CP1*.

Prerequisite: *Beginning Spanish Part 2* and recommendation of the teacher.

Below 83% in *Spanish I* and/or recommendation of the teacher.

FOREIGN LANGUAGES

<u>FRENCH III CP1</u>	10/11/12	1
<u>SPANISH III CP1</u>	10/11/12	1

Speaking, listening, reading, and writing skills are reinforced. The study of culture and history, everyday situations, short stories, and selected readings are the basis for communication. The student is introduced to story, music, literature, and the arts of the French/Hispanic culture. New grammatical structures and vocabulary are incorporated.

Prerequisite: *French II CP1* or *Spanish II CP1* and recommendation of the teacher.

<u>SPANISH III CP2</u>	10/11/12	1
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Speaking, listening, reading, and writing skills are reinforced at a less rigorous pace than in *Spanish III CP1*. The study of culture and history, everyday situations, short stories, and selected readings are the basis for communication.

Prerequisite: *Spanish II CP2* or *Spanish II CP1* and recommendation of the teacher.

<u>FRENCH IV CP1</u>	11/12	1
<u>SPANISH IV CP1</u>	11/12	1

This course is designed to increase the student's proficiency in the four communication skills: speaking, listening comprehension, reading comprehension, and writing. Included in the course are selected pieces of literature. There is a systematic review of grammar as well as an expansion of vocabulary and idiomatic expressions. A study of communication and contemporary culture is included.

Spanish IV includes experiences outside of the classroom and/or service to the Hispanic community.

Prerequisite: *French III CP1* or *Spanish III CP1* and recommendation of the teacher.

MODERN FOREIGN LANGUAGES: ADVANCED PLACEMENT AND HONORS PROGRAM

Honors courses in foreign language are designed for the student who has demonstrated mastery of language skills and a commitment to increasing her proficiency. To participate in honors level classes, a student must meet the prerequisites for each class. A student who does not maintain class requirements and falls below an 80% may be asked to move to the CP1 level. ***Honors Spanish IV*** and ***AP Spanish Language*** include experiences outside of the classroom and/or service to the Hispanic community.

<u>HONORS FRENCH II – Semester 1</u>	<u>HONORS FRENCH II – Semester 2</u>	9/10/11/12	.5 each sem.
<u>HONORS SPANISH II – Semester 1</u>	<u>HONORS SPANISH II – Semester 2</u>	9/10/11/12	.5 each sem.

Speaking, reading, listening, and writing skills are developed at a pace designed to challenge the advanced language student. Review of grammatical structures and exposure to new grammar is emphasized. Everyday situations and classroom discussions in the target language are incorporated to develop the student's oral proficiency. Selected readings and written reactions to these readings help improve reading and writing skills.

Prerequisite: *French I* or *Spanish I* and recommendation of the teacher.

(The Foreign Language Placement Assessment will be used for grade 9.)

FOREIGN LANGUAGES

<u>HONORS FRENCH III</u>	10/11/12	1
<u>HONORS SPANISH III</u>	10/11/12	1

Speaking, listening, reading, and writing skills are reinforced at a pace that challenges the advanced language student. Everyday situations, short stories, and selected readings are the basis for communication. The student may be introduced to music, literature, and the arts of the culture she is studying. Emphasis is placed on the history and culture of the target language. New grammatical structures and expanded vocabulary are incorporated.

Prerequisite: *French II or Spanish II* and recommendation of the teacher.

<u>HONORS FRENCH IV</u>	11/12	1
<u>HONORS SPANISH IV</u>	11/12	1

This course is designed to increase the student's proficiency in the four communication skills: speaking, listening comprehension, reading comprehension, and writing, at a pace that challenges the advanced language student. While culture study continues, the focus is communication. Included in the course are selected pieces of literature, which may include poetry, short stories, plays, and novels. There is an introduction to advanced structures and a systematic review of grammar, as well as an expansion of vocabulary and idiomatic expressions.

Prerequisite: *French III or Spanish III* and recommendation of the teacher.

<u>HONORS FRENCH V</u>	12	1
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The student will read and analyze selected works of French literature and articles from French magazines, strengthen writing and comprehension abilities, and improve conversational skills and fluency in French. Class is taught in French.

Prerequisite: *French IV CP1, Honors French IV, or AP French* and recommendation of the teacher.

<u>HONORS SPANISH V FILM</u>	12	.5
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The student will study, watch, and analyze movies from the Spanish speaking world. The student will record pre- and post-viewing reflections in her journal. Class is taught in Spanish.

Prerequisite: *Spanish IV CP1, Honors Spanish IV, or AP Spanish* and recommendation of the teacher.

<u>HONORS SPANISH V CONVERSATION AND DEBATE</u>	12	.5
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The student will improve conversational skills and fluency through debate and conversation in Spanish. The student will review previously acquired vocabulary and learn new thematic vocabulary.

Prerequisite: *Spanish IV CP1, Honors Spanish IV, or AP Spanish* and recommendation of the teacher.

<u>AP FRENCH LANGUAGE</u>	11/12	1
<u>AP SPANISH LANGUAGE</u>	11/12	1

The Advanced Placement course is an accelerated course in which written and oral expression are emphasized. The student will prepare for the College Board AP test. While writing, speaking, and listening are emphasized, reading and culture are also included.

Prerequisite: 93% in *Honors French III or Honors French IV or Honors Spanish III or Honors Spanish IV* and/or recommendation of the teacher.

FOREIGN LANGUAGES

A student who has met the Foreign Language Department requirements for an AP foreign language course and who answers affirmatively to the following statements should enroll in an AP foreign language class.

- I enjoy speaking the target language and like to challenge myself to speak the language inside and outside of the classroom.
- I am willing to read and analyze various types of materials, such as short stories, poetry, news articles, etc.
- I enjoy learning more details about the grammar of the target language because I know that it will help me improve all of my skills.
- I know learning a new vocabulary and using my grammar skills will be useful in helping me to become a better writer and storyteller in the language.
- I am willing to commit to developing advanced listening / comprehension skills.

ELECTIVE LANGUAGE COURSES

PRACTICUM IN FRENCH - CP1

12

.5 or 1

PRACTICUM IN SPANISH - CP1

12

.5 or 1

This course is an individual study designed to provide practical experience in foreign language to the advanced language student through daily exposure to classroom instruction and active participation in that instruction. The student will be given “hands-on” experience in foreign language by assisting the classroom teacher in the first and second year language classes.

**Prerequisite: Practicum agreement to be turned in with the course selection form.
Three years of French/Spanish and recommendation of the teacher.**

Note: This course may be taken one semester for a full block, two semesters for a half block, or two semesters for a full block.

FOREIGN LANGUAGES

INFORMATION TECHNOLOGY & BUSINESS

TECHNOLOGY LITERACY

9

.5

Required of all ninth graders, this course introduces students to a variety of tablet tools through a selection of relevant projects. Students will be exposed to the basic features of MS Windows and the MS Office Suite with topics including online safety and research, as well as study skills. Additional software relative to the Tablet PC environment will be introduced as appropriate. This is a pass/fail course and does not factor into a student's GPA.

ACCOUNTING I - CP1

10/11/12

.5

This course will present and integrate accounting principles and concepts using manual and hands-on approaches to complete activities. A sole-proprietorship business will be introduced through the accounting cycle. Computer-oriented exercises will also be covered using textbook software provided. A student planning to major in Business in college should consider this course.

ACCOUNTING II - CP1

10/11/12

.5

This course will present and integrate accounting principles and concepts using manual and hands-on approaches to complete activities. A partnership business will be introduced through the accounting cycle. Computer-oriented exercises will also be covered using textbook software provided. A student planning to major in Business in college should consider this course.

Prerequisite: 80% in *Accounting I*.

BUSINESS PRINCIPLES – CP1

10/11/12

.5

The course will focus on the concepts and functions of basic business principles. The student will use critical thinking skills in understanding the concepts of management, business principles, the global economy, and career planning. Students will learn how to apply these concepts in the everyday business world.

Note: Students who have previously taken the course *Principles of Business & Marketing* are not eligible to take this course.

MULTIMEDIA TECHNOLOGY - CP1

12

.5

This course will emphasize the multimedia aspects of technology for communication. Topics will include image editing, audio editing, video editing, and combining media together. Students will work with creating images from scratch as well as working with photographs and scanned images. Photo editing, computer drawing skills, and working with special effects will be emphasized. Additionally, students will work with multi-track audio editing and combining video, still images, and audio in videos. Students will be provided access to scanners, digital cameras, card readers, video cameras, and video capture equipment. This is mainly a production based course in which the students will work on long-term and short-term projects.

Prerequisite: 80% in *Technology Applications*.

INFORMATION TECHNOLOGY & BUSINESS

DIGITAL IMAGERY – CP1

10/11

.5

The course will focus on digital image creation, editing, and manipulation using editing software to create images for print and electronic uses. Students will learn the file types and file properties that are appropriate to use for different images. Emphasis will be placed on photo editing, computer drawing skills, layers, filters and special effects. Students will be expected to produce both long-term and short-term projects.

Prerequisite: Successful completion of *Technology Literacy*.

Note: Juniors or seniors who have previously taken the course *Multimedia Technology* are not eligible to take this course.

DIGITAL AUDIO AND VIDEO MEDIA – CP1

10/11

.5

The course will focus on digital audio and video creation, editing and manipulation. Students will work with multi-track audio editing software as well as video editing software. Emphasis will be placed on combining audio, full-motion video and still images to create both long-term and short-term projects.

Prerequisite: Successful completion of *Technology Literacy*.

Note: Juniors or seniors who have previously taken the course *Multimedia Technology* are not eligible to take this course.

WEB DESIGN I - CP1

10/11/12

.5

This course will present web page design principles and techniques with an emphasis on effective communication. Hypertext Markup Language (HTML), along with Microsoft Expression Web, will be used in creating web pages. This student will work with image, audio, and video manipulation and conversion for use in designing web pages. The student will explore the history of the web as well as the present and future of web based software, including wikis, blogs, and other Web 2.0 tools. Technical aspects will include text, graphics, color, tables, hyperlinks, and forms. A brief introduction to Cascading Style Sheets (CSS), Dynamic HTML, PHP, and JavaScript may be included.

Prerequisite: 80% in *Technology Applications* or successful completion of *Technology Literacy*.

YEARBOOK I - CP1

11/12

1

This course is designed to introduce the student to graphic design and layout. The student creates page layouts, learns to use a variety of menus and palettes, and produces a history of the year through pictures and stories. Students make decisions concerning topics to be covered, the budget, and cover design.

Prerequisite: 85% in *Technology Applications* or successful completion of *Technology Literacy* and 80% cumulative average in English.

YEARBOOK II - CP1

12

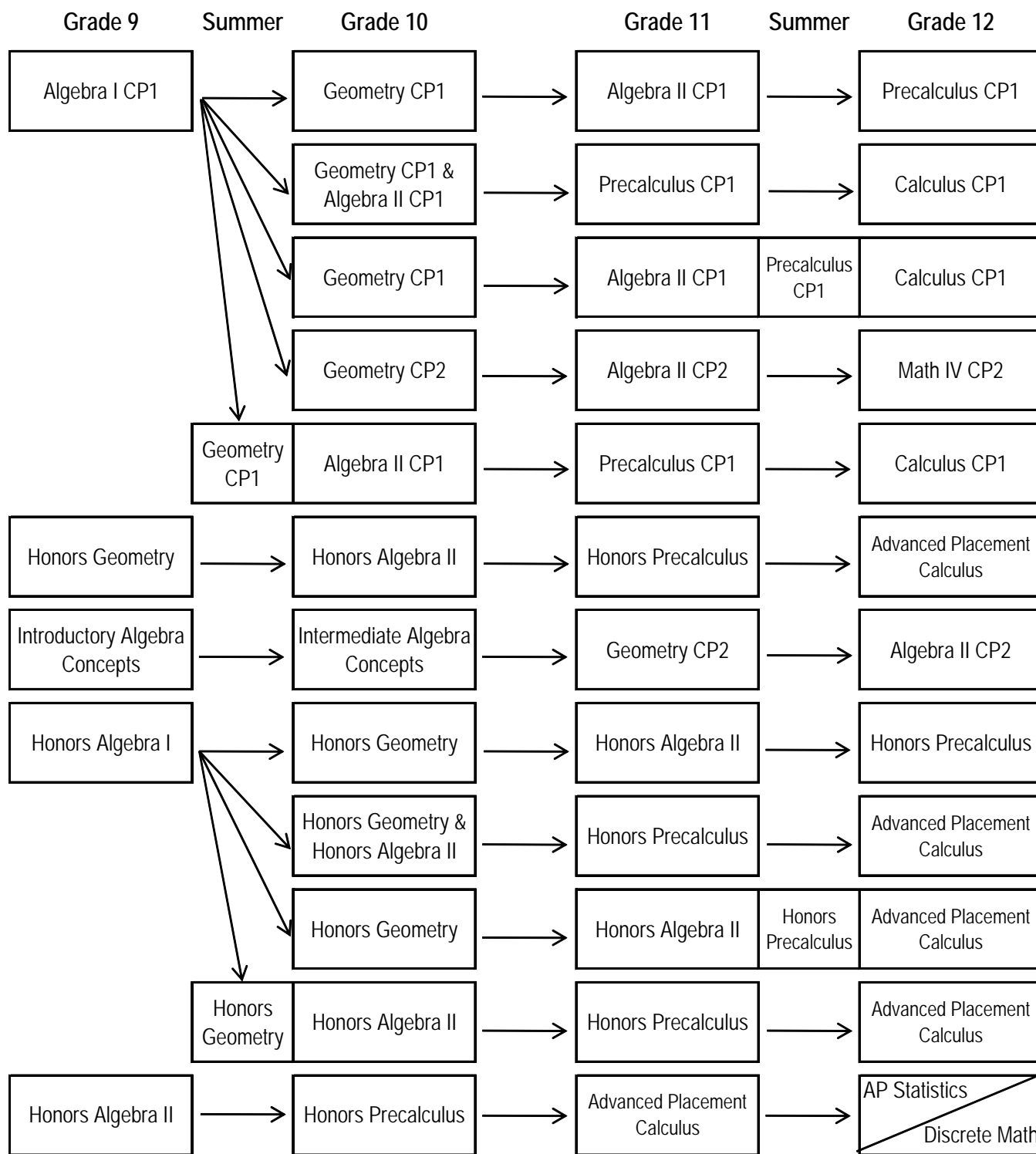
1

This course expands the student's ability with graphics, design, and layout. The student takes increasing responsibility for the production of the yearbook.

Prerequisite: Recommendation of the teacher.

INFORMATION TECHNOLOGY & BUSINESS

Typical Mathematics Pathways



Additional Elective Course Offerings

Discrete Math, Financial Algebra, and Statistics (AP or CP1) are offered as additional electives to the four-year paths shown above.

MATHEMATICS

- All students are required to have a graphing calculator. MND is currently using the TI-84 Plus. The TI-NSPIRE (with the TI-84 faceplate) is acceptable. The TI-NSPIRE-CAS is not acceptable as it is not permitted on some of the standardized tests.
- The student wishing to move up a level in math for the following year (from CP1 to Honors or from CP2 to CP1), must have a 95% year average in the current math course and/or recommendation of the current math teacher.

ALGEBRA I OPTIONS

INTRODUCTORY ALGEBRA CONCEPTS - CP2

9

1

The first half of a two-year sequence designed to cover Algebra I. This course is comprised of basic algebra concepts, including rational and integer number sets, equation manipulation, and applications to probability and statistics as well as geometry. It will also include graphical concepts, such as the coordinate plane and linear equations. The student in the course will proceed to *Intermediate Algebra Concepts* during her sophomore year. Together, these two courses complete the college requirement for *Algebra I*.

INTERMEDIATE ALGEBRA CONCEPTS - CP2

10

1

Builds on the topics covered in *Introductory Algebra Concepts* and covers systems of equations and inequalities, exponents and exponential functions, quadratic functions, polynomials, factoring and rational expressions with a less intense approach.

Prerequisite: *Introductory Algebra Concepts*.

ALGEBRA I - CP1

9

1

This course covers arithmetic, the real number system, absolute value, linear and quadratic equations, systems of equations, inequalities, polynomial factorization, algebraic fractions, functions, square roots, radical expressions, and graph interpretation. Students will learn the basic graphing features of the graphing calculator.

HONORS ALGEBRA I - HON

9

1

This course covers the real number system, absolute value, linear and quadratic equations, systems of equations, inequalities, polynomial factorization, algebraic fractions, functions, square roots, radical expressions, and graph interpretation with a more intense approach. Students will learn the basic graphing features of the graphing calculator.

GEOMETRY OPTIONS

GEOMETRY CP2

10/11

1

This course covers points, lines, planes, triangles and polygons, circles, parallel and perpendicular lines, three-dimensional figures, constructions, transformations, and deductive reasoning with a less intense approach.

Prerequisite: *Intermediate Algebra Concepts* or below 77% in *Algebra 1 CP1*.
Recommendation of the teacher is needed if the student has 77% or higher in *Algebra I CP1*.

Note: A student with a 90% average in *Intermediate Algebra Concepts* may take both *Geometry CP2* and *Algebra II CP2* during the same school year.

GEOMETRY CP1

9/10/11

1

This course covers points, lines, planes, triangles and polygons, circles, parallel and perpendicular lines, three-dimensional figures, constructions, transformations, coordinate geometry, and inductive and deductive reasoning, and discovery learning.

Prerequisite: *77% in Algebra I or 95% in Intermediate Algebra CP2 or below 80% in Honors Algebra I.*
Recommendation of the teacher is needed if the student has 80% or higher in Honors Algebra 1.

Note: A student with a 90% average in *Algebra I CP1* may take both *Geometry CP1* and *Algebra II CP1* during the same school year.

HONORS GEOMETRY - HON

9/10

1

This course covers points, lines, planes, triangles and polygons, circles, parallel and perpendicular lines, three-dimensional figures, constructions, transformations, coordinate geometry, and inductive and deductive reasoning with an intense approach.

Prerequisite: *80% in Honors Algebra I or 95% in Algebra I CP1.*

Note: A student with a 90% average in *Honors Algebra I* may take both *Honors Geometry* and *Honors Algebra II* during the same school year.

ALGEBRA II OPTIONS**ALGEBRA II CP2**

11/12

1

This course covers equation solving, linear expressions, systems of equations and inequalities, rational expressions, exponents, quadratic functions, polynomial functions, radical expressions, and exponential functions.

Prerequisite: *Geometry CP2 or below 77% in Geometry CP1.*
Recommendation of the teacher is needed if the student has 77% or above in Geometry CP1.

Note: A student with a 90% average in *Intermediate Algebra Concepts* may take both *Geometry CP2* and *Algebra II CP2* during the same school year.

ALGEBRA II CPI

10/11/12

1

This course covers linear expressions, systems of equations and inequalities, rational expressions, exponents, logarithms, radicals, quadratics, absolute value, polynomials, sequences and series, matrices, and conic sections. There is a summer assignment covering a review of basic *Algebra I* concepts required for this course.

Prerequisite: *77% in Geometry CP1 or 95% in Geometry CP2 or below 80% in Honors Geometry.*
Recommendation of the teacher is needed if the student has 80% or above in Honors Geometry.

Note: A student with a 90% average in *Algebra I CP1* may take both *Geometry CP1* and *Algebra II CP1* during the same school year.

HONORS ALGEBRA II - HON

10/11

1

This course covers linear expressions, systems of equations and inequalities, rational expressions, exponents, logarithms, radicals, quadratics, absolute value, polynomials, sequences and series, matrices, and conic sections as well as trigonometry with a more intense approach. There is a summer assignment covering a review of basic *Algebra I* concepts required for this course.

Prerequisite: 80% in *Honors Geometry* or 95% in *Geometry CP1*.

Note: A student with a 90% average in *Honors Algebra 1* may take both *Honors Geometry* and *Honors Algebra II* during the same school year.

ADVANCED MATH COURSE OFFERINGS**MATH IV - CP2**

12

1

Builds on the topics covered in *Algebra II CP2* and continues through conic sections, trigonometry, exponents, logarithms, probability, matrices, counting techniques, and other selected concepts with a less intense approach.

Prerequisite: *Algebra II CP2* or below 77% in *Algebra II CP1*.

PRE-CALCULUS - CP1

11/12

1

Topics include the study of linear, quadratic, higher-degree polynomial, exponential, logarithmic and rational functions, trigonometry, including the unit circle, combinatorics, vectors, the concept of limits, and regression analysis using the graphing calculator as a tool. There is a summer assignment covering a review of some basic *Algebra II* concepts required for this course.

Prerequisite: 77% in *Algebra II CP1* or below 80% in *Algebra II Honors* or 95% in *Algebra II CP2* (this will require a summer assignment).
Recommendation of the teacher is needed if the student has 80% or higher in *Honors Algebra II*.

HONORS PRE-CALCULUS - HON

10/11/12

1

Topics include the study of linear, quadratic, higher-degree polynomial, exponential, logarithmic and rational functions, trigonometry including the unit circle, combinatorics, vectors, the concept of limits, and regression analysis using the graphing calculator as a tool, as well as implicitly defined functions and the polar coordinate system, with an intense approach. There is a summer assignment covering a review of some basic *Algebra II* concepts required for this course.

Prerequisite: 80% in *Honors Algebra II* or 95% in *Algebra II CP1*.

MATHEMATICS

CALCULUS CP1

11/12

1

Calculus extends the concepts of functions and their applications as examined in *Pre-Calculus* to more general cases. Using the fundamental idea of the limit of a function, the following topics are studied: continuity, differentiation, optimization, rates of change, integration, transcendental functions, and volumes of rotational solids.

Prerequisite: 77% in *Pre-Calculus CP1* or below 80% in *Honors Pre-Calculus*.

AP CALCULUS - AP

11/12

1

Calculus extends the concepts of functions and their applications as examined in *Honors Pre-Calculus* to more general cases. Using the fundamental idea of the limit of a function, the following topics are studied: continuity, differentiation, optimization, rates of change, integration, transcendental functions, and volumes of rotational solids. This course will prepare the student for the College Board AP Calculus AB test. Additionally, the student may elect to participate in the Mount Saint Joseph Dual Credit Option to earn three (3) hours of college Calculus credit. Both the AP test and the Dual Credit Option have associated fees.

Prerequisite: 80% in *Honors Pre-Calculus* or 95% in *Pre-Calculus CP1*.

DISCRETE MATH - CP1

11/12

.5

This course is a survey of non-traditional mathematics concepts, including fractals, logic, patterns, graph theory, game theory and voting theory. Some mathematics topics students will encounter include binary numbers through the study of the game of *Nim*, deductive reasoning through an investigation of the game of *Mastermind*, and an introduction to iteration and chaos theory through the study of fractals. The class structure includes teacher-directed instruction, discovery and investigation activities through group work, and alternative assessment.

Prerequisite: *Algebra II (any level)*.

STATISTICS - CP1

11/12

.5

This course will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will be exposed to observing patterns and deviations from patterns; methods of data collection, conducting surveys and experiments, and generalizing results; producing models using probability theory; and confirming models including confidence intervals and tests of significance. This course will use the graphing calculator as a tool for creating data displays, performing calculations, as well as fitting models to data.

Prerequisite: 77% in *Algebra II* and concurrent with *Pre-Calculus* or below 80% in *Honors Algebra II* and concurrent with *Pre-Calculus* or 77% in *Pre-Calculus CP1* or below 80% in *Honors Pre-Calculus*.

AP STATISTICS - AP

11/12

.5

This course will cover the same topics as *Statistics (CP1)*. However, students will spend more time studying the theory and analysis of statistical results in order to prepare for the Advanced Placement exam. Emphasis will be placed on the exploring data, sampling and experimentation, anticipating patterns, and statistical inference.

Prerequisite: 80% in *Honors Algebra II* and concurrent with *Honors Pre-Calculus* or 80% in *Honors Pre-Calculus* or 95% in *Pre-Calculus CP1*.

FINANCIAL ALGEBRA – CP1

10/11/12

.5

In *Financial Algebra*, students will investigate the mathematics of earning, spending, saving and investing money in order to understand finance in mathematical terms and gain confidence in their ability to manage money. This course will review and strengthen algebraic mechanics and problem-solving skills while teaching more advanced topics, such as piecewise functions, regression, limits, exponential functions, and linear/quadratic systems. Students will be able to make sense of the financial world through mathematical modeling and be equipped with the ability to make sound financial decisions based on data. The class will be structured to combine guest speakers, projects, Microsoft Excel and other technologies in the traditional mathematics classroom setting.

Prerequisite: *Geometry* (any level).

A student who has met the Mathematics Department requirements for an AP math course and who answers affirmatively to the following statements should enroll in an AP math class.

- I enjoy problem solving.
- I am willing to think critically.
- I am willing to practice and work on my math outside the classroom.

MINISTRY AND RELIGIOUS STUDY

	Semester 1	Semester 2
Grade 9	Religion I (Hebrew Scripture)	Religion I (Hebrew Scripture)
Grade 10	Christology	Morality
Grade 11	Choice: <ul style="list-style-type: none"> • Church, Spirit, Wisdom and Story OR <ul style="list-style-type: none"> • Comparative World Religions 	Choice: <ul style="list-style-type: none"> • Bioethics • Death to Life • Learning to Serve • Media and Values • MND HerStory • Theology of Prayer and Spirituality* *Application required.
Grade 12	Choice: <ul style="list-style-type: none"> • Catholic Christian Lifestyles OR <ul style="list-style-type: none"> • Theology & Faith of Being a Catholic Christian 	Choice: <ul style="list-style-type: none"> • Bioethics • Death to Life • Learning to Serve • Media and Values • MND HerStory • Theology of Prayer and Spirituality* • Service Practicum* *Application required.

FRESHMEN: RELIGION I (Hebrew Scriptures) – CP1

9 1

This course is designed to develop the freshman student's understanding of Catholic Christianity. With consideration to the questions and concerns of the developing adolescent, the course will explore the heritage of our Christian faith as rooted in the Hebrew Scriptures and how this tradition lives on in each person as she strives to live by the example of St. Julie Billiart, foundress of the Sisters of Notre Dame. This course also includes the ministry necessary for the growth and development of the freshman within her faith community.

SOPHOMORES: SEMESTER 1: CHRISTOLOGY – CP1

10 .5

Our understanding of Jesus is at the heart of our identity as a Catholic Christian community and as persons of faith. Through this course the students will study the life, ministry, and message of Jesus Christ through the study of the Gospels. The course explores the political and religious world, daily life, preaching, actions, death and resurrection of Jesus and the Church's evolving understanding of Jesus through history.

SOPHOMORES: SEMESTER 2 MORALITY – CP1

10 .5

The second semester material includes an introduction to personal and social Christian morality, the development of conscience, and recognition of the tenets and challenges of the Christian way of life.

MINISTRY AND RELIGIOUS STUDIES

JUNIORS/SENIORS: During the junior and senior years, the student will take two one-semester courses. Refer to the previous chart which outlines the options. Course descriptions follow.

Semester 1 Junior Year

RELIGIOUS TRADITIONS COURSE CHOICE: Both *Religious Traditions* courses (see options below) would lead the student to a better understanding and appreciation of the development of the Catholic Christian tradition. **Juniors must pick one of the following courses to take during 1st semester:**

CHURCH: SPIRIT, WISDOM, and STORY – CP1

11 .5

This one-semester course is a study of the origin and development of the Church, and the trends, doctrines, events, and people who have shaped it.

COMPARATIVE WORLD RELIGIONS – CP1

11 .5

This one-semester course uses a comparative approach to teach an appreciation for the distinctive characteristics of Catholicism. The student will map out the basic elements of the world's rich religious traditions and will explore various faiths' answers to the fundamental questions of life.

Semester 1 Senior Year

VOCATIONAL CHOICES COURSE CHOICE: Both *Vocational Choices* courses (see options below) look at life themes and lifestyle paths (single life, marriage, and religious life) - all examined in the light of the Gospel and the Catholic/Christian tradition. *Both courses include "Senior Seminars". Senior Seminars will engage the student in a variety of relevant topics with the goal of preparing her for the challenges facing a young woman today.* **Seniors must pick one of the following courses to take during her 1st semester:**

CATHOLIC CHRISTIAN LIFESTYLES – CP1

12 .5

Following the mission of the Sisters of Notre Dame de Namur, "to make known God's goodness by educating for life," this course actively examines the issues, choices, opportunities, and challenges facing our young women today. The student will study *lifestyle paths* (single life, marriage, and religious life), as well as *life themes* that are common to all of these paths: identity/autonomy, creativity/learning, work, money/possessions, sexuality, love, friendship, suffering/healing. Guest speakers, interviews, film studies, and class discussion will engage the student in a variety of relevant topics with the goal of preparing her for the challenges facing a young woman today.

THEOLOGY AND FAITH OF BEING A CATHOLIC CHRISTIAN – CP1

12 .5

This first semester senior course is designed to be a theoretical approach to Catholic Christian theology in the 21st century. The senior student will explore the following themes in Catholic Church teachings: faith, faith development, the triune God, Catholic beliefs and rituals, social justice and ecumenism. Christian Scriptures and Catholic Church documents provide the foundation for the student's research and exploration of her own spiritual development and growth.

MINISTRY AND RELIGIOUS STUDIES

JUNIOR – SENIOR SECOND SEMESTER COURSES

BIOETHICS – CP1

11/12 .5

This course will introduce students to the complex and ever-changing field of biomedical technologies within the framework of the teachings of the Catholic Church, Gospel values, and the Catholic moral tradition. The course will address both beginning and end-of-life ethical issues as well as quality of life through such topics as: contraception, abortion, assisted reproductive technologies, stem cell research, cloning, genetics, access to health care and vaccines, health insurance, medicare funding, euthanasia, advance directive/DNR orders and palliative care.

DEATH TO LIFE – CP1

11/12 .5

This course considers the topic of death and afterlife from a Catholic perspective. Within the context of the Resurrection, the course explores: celebrating the life that comes from death, the stages of death and dying, grief reactions, customs surrounding death, and financial considerations and moral issues related to death.

LEARNING TO SERVE – CP1

11/12 .5

The student participates in service at selected sites and attends class at Mount Notre Dame to learn how to grow in the skills that will aid her in Christian service. She will reflect on and evaluate her service and become an advocate for those she is serving. A minimum of 30 hours of service is required at an approved site.

MEDIA AND VALUES – CP1

11/12 .5

This course looks closely at the values of our culture as presented by the media. The student will become media literate and learn to evaluate critically the media, including music, TV, advertising, news, and movies. This critical analysis will look at the message of the media as it comes in conflict with the message of Jesus.

MND - HER STORY – CP1

11/12 .5

This course presents the vision and mission of the Sisters of Notre Dame de Namur by providing the student a sense of the historical context within which St. Julie Billiart founded the order, the circumstances that inspired the order to come to Cincinnati, and the world perspective which drives the work of the order today. The student will explore the rich history of Mount Notre Dame and MND's connection to the heritage and charism of the Sisters of Notre Dame.

THEOLOGY OF PRAYER AND SPIRITUALITY – CP1

11/12 .5

The purpose of this course is to help the student integrate faith that has been passed on by parents and teachers so that it becomes her own. The student will learn about prayer while learning to pray. The course is academic, reflective, and experiential. It requires a willingness on the part of students to help one another in their search for God, both personally and communally.

Prerequisite: Student application and department approval. Applications will be available on Curriculum Day and need to be submitted with course selection form.

SERVICE PRACTICUM – CP1

12 .5

Participants are responsible for planning, organizing and implementing a major service project for and with the MND Community. Students are responsible for educating the school community about the selected Catholic social teaching theme as well as for getting the school community to participate in the service project. Students learn practical project management practices and volunteer management principles.

Prerequisite: Extensive service background/experiences, student application and department approval. Applications will be available on Curriculum Day and need to be submitted with course selection form.

PERFORMING ARTS

CHORALE - CP1

9/10/11/12

1

In *Chorale*, the student will learn the basic principles of singing in a vocal ensemble. Various styles of choral literature, including traditional, semi-popular, and seasonal, will be studied and performed in two- and three-part voices. Applicable choreography will be added when possible. The student will also develop critical listening skills. The ensemble will participate in some extra-curricular performances.

****This course may also be available every fourth day in a freshman schedule rotation for .5 credit.**

CHORUS - CP1

9/10/11/12

.5

A variety of musical styles will be used to develop the principles and methods of singing in a vocal ensemble. The student will learn choral literature in two- and three-parts and will develop critical listening skills. Applicable choreography will be added when possible. The ensemble will participate in some extra-curricular performances.

***This course can also be taken before school from 7:00 a.m. until 7:40 a.m. on alternating days. Please indicate "morning class" on your course selection form.**

****This course may also be available every fourth day in a freshman schedule rotation for .25 credit.**

VOCALETTES - CP1

10/11/12

1

This is a select vocal ensemble that will learn and perform advanced choral literature of various styles including traditional, seasonal, and semi-popular choral literature. The student will sing in two-, three-, and four-parts and will develop critical listening skills. Applicable choreography will be added when possible. The ensemble will perform at extra-curricular events and other invited musical events.

Prerequisite: Qualifying audition.

BAND - HON

9/10/11/12

1

Band at MND is an academic elective which receives one credit per year and fulfills the State requirement for Visual and Performing (Fine) Arts. Band class meets during the school day, and students may take band for credit all four years at MND. The student will gain a deeper understanding of music through performing, discussing, and listening to music. Emphasis will be placed on performance and the study of the theoretical aspects of music as well as the role of music in history.

All students in the class participate in public performances in conjunction with members of the Moeller Band. In the fall, students participate in the Moeller Marching Band. This group performs at football games and marching contests, and is recognized for its exciting performances. Students who participate in a fall sport for MND may, after consultation with the band director, still take the band class and not participate in Marching Band. After football season, our principal activity is Concert Band, known as the Symphonic Winds. This ensemble is featured on the Christmas and Spring Concerts and participates in the OMEA band contest. The Symphonic Winds have a growing reputation, having performed in Washington, D.C., Chicago, New York City, and Boston. Other opportunities include the Jazz Band and Pep Band.

 - Courses with this symbol will be given for one-half block all year.

PERFORMING ARTS

PIANO - NHR

9/10/11/12 .5

Private piano instruction is arranged weekly according to the student's free block, before or after school availability. Areas of instruction are in classical, seasonal, and semi-popular piano music. Requirements for credit are forty minutes daily practice and one 30-minute private lesson per week. Both beginning and experienced students are accepted for private lessons, as is the student who does not wish to receive credit. Piano lesson fee is \$15 per week. Performance opportunities are possible throughout the year.

☺ STRING ENSEMBLE - CP1

9/10/11/12 .5

The violin, viola, cello, and string bass students will study and perform string ensemble literature from each of the historical periods as well as musical medleys and seasonal music. Critical listening skills will be developed. The ensemble will participate in some extra-curricular performances.

BACH TO ROCK - CP1

10/11/12 .5

This course is designed to study the musical historical periods from the Greeks through the present, discussing the composers' lives, their music, and how it represents the social era of the time period. Jazz, the American musical, rock, and nonwestern music will be briefly surveyed as well. Listening to the many different styles of music will develop the student's critical listening skills.

MUSIC THEORY - HON

10/11/12 .5

This course is an in-depth study of harmony, melody, counterpoint, major and minor scales, rhythm, analysis of musical compositions, sight singing, triads, figured bass, part-writing, music dictation, and listening skills. The patterns and formulas that make up music as a language will be studied and utilized. The AP Music Theory Exam could be taken after this course.

Prerequisite: Recommendation of the teacher. The student must be fluent in reading music.

☺ DRAMATIC ARTS - NHR

10/11/12 .5

In this beginning course, the student will explore a variety of aspects related to theatre. She will read plays, research various playwrights, and gain knowledge of the origins of theatre, as well as learn how a play is produced. In addition, she will present performances such as pantomimes, improvisations, puppet shows, and duo scenes. These kinds of "hands-on" experiences provide the student with new and more insights and skills in the area of stagecraft, along with improved self-confidence and an appreciation for the value of teamwork.

☺ ADVANCED ACTING - CP1

11/12 .5

This is an intense course designed for the student *who is serious about acting* and would like to improve her skills. The student will do advanced study in performing monologues and group scenes. She will perform material from modern and classical plays, including Shakespeare. She will learn to analyze scripts and develop a character, as well as explore scriptwriting and producing.

Prerequisite: *Dramatic Arts* and/or recommendation of the *Advanced Acting* teacher.

☺ - Courses with this symbol will be given for one-half block all year.

PERFORMING ARTS

THE AMERICAN MUSICAL - CP1

10/11/12

.5

Students will study the history of the American musical by viewing professional and amateur performances. They will study scripts, acting, sets, dances, vocal selections and costumes. Musical and dramatic examples from operetta, vaudeville and revue will be included. Songwriters and composers such as Irving Berlin, Jerome Kern, George Gershwin, Cole Porter, Richard Rodgers, Oscar Hammerstein, Frank Loesser, Leonard Bernstein, Stephen Sondheim, and Andrew Lloyd Webber will be studied as well.

INTRODUCTION TO TECHNICAL THEATRE - CP1

10/11/12

.5

This hands-on course will survey all aspects of technical theatre, including basic stage facilities; set design, construction and decorating; lighting design and implementation; sound reinforcement; and costuming. While limited outside homework is anticipated, 10 hours of technical work on a current MND production (or outside production with instructor consent) is required to pass the class. The student will be required to provide a basic set of drawing tools and appropriate work clothes. Minimal expenses for materials may be incurred based on projects chosen.

Prerequisite: Signature permission of the *Technical Theatre* teacher.

FILM AND VIDEO PRODUCTION

10/11/12

.5

This class is a study of film production. The student will study, discuss, and interpret short independent films in preparation for producing a class short film. During the production process, the student will learn to write scripts and layout scenes, cast performers, and direct, shoot and edit film. Videography using a single camera and multi-camera approaches will be taught. Lighting, camera angles, audio – both microphones and background sounds, and props and scenery as it helps set mood and action for each scene will be developed. Post production will be performed mainly in the editing program Adobe Premiere. Finished projects may be submitted to film contests.

Note: Due to the nature of this class, students may occasionally need to meet outside of class for production.

VIDEOGRAPHY OF NEWS AND DOCUMENTARIES – CP1

10/11/12

.5

In this class, the student will study the news media and analyze news stories. She will learn the art of the interview and the on-camera delivery. The student will also study documentaries in order to learn how to produce one. News writing, camera operation, live video mixing, sound mixing and the various news room jobs will be incorporated into the course. A school news program may also be developed.

Note: Due to the nature of this class, students may occasionally need to meet outside of class for production.

Probable course themes:

First semester: Production of a documentary on MND's involvement with Liberty, Kentucky. A summer trip to Liberty to shoot interviews, gather photos, and B-roll shots to use as background material for the interviews will be planned. This will not be a mandatory trip, but we encourage those who are interested to make the trip to learn more about Liberty.

Second semester: Production of a documentary on shelter and rescue animals and their plight. Students will visit animal shelters and interview individuals who have rescued animals.

PERFORMING ARTS

PHYSICAL EDUCATION/HEALTH

PHYSICAL EDUCATION I - NHR

9

.25

Fitness and Team Sports: Emphasis is placed on team sports and the relationship of sport and competition to daily life. Students take part in activities such as basketball, volleyball, flag football, ultimate Frisbee, soccer, softball, floor hockey, and fitness. This is a participation course with no tests, exams, or assigned homework.

PHYSICAL EDUCATION II - NHR

10/11

.25

Fitness and Recreational Sports: Emphasis is placed on individual sports, health related fitness, and a greater understanding of leisure time activities. Students take part in activities such as tennis, golf, bowling, badminton, croquet, bocce ball, cornhole, table tennis, Frisbee golf, relaxation, and fitness. This is a participation course with no tests, exams, or assigned homework.

Prerequisite: *Physical Education I*

HEALTH - CP1

9

.5

This semester course has two major areas of study: community first aid and safety (taught according to the guidelines of the American Red Cross), and wellness education. The latter encompasses many topics which encourage the development of life skills for a healthy lifestyle.

WEIGHTLIFTING - NHR

10/11/12

.25

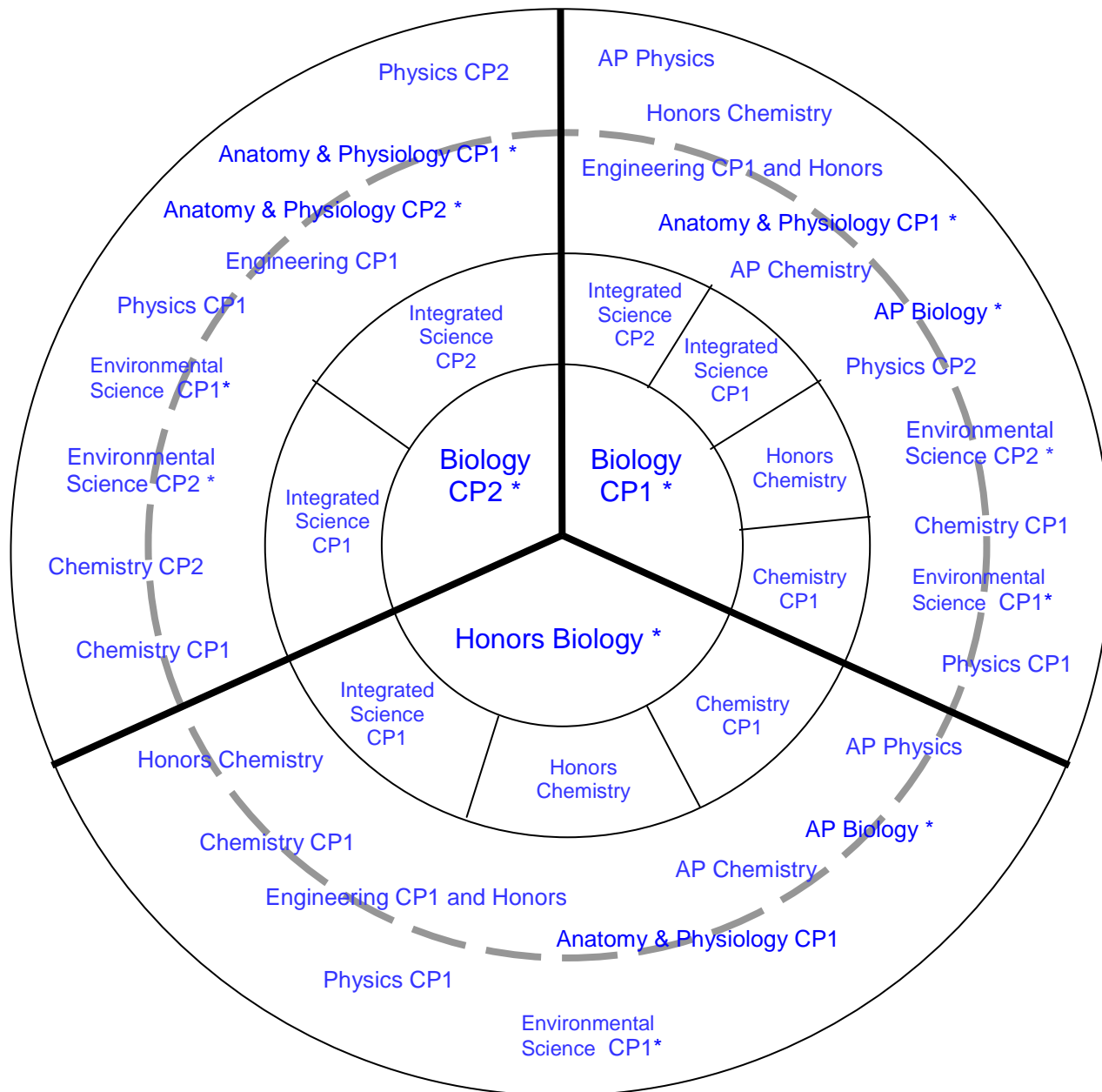
Emphasis is on the student's developing and participating in an individualized, progressive weightlifting routine. Lifting principles of both universal and free-type weights are taught and used. This course is designed to enhance and maintain a student's muscular fitness. It is suitable for the student seeking to improve her general health and/or her sports performance. It is not a substitute course for *Physical Education I or II*.

☺ **Note:** This course may be taken as a half block all year or a full block for a semester.
This course may be repeated.

☺ - Courses with this symbol will be given for one-half block all year

PHYSICAL EDUCATION/HEALTH

Typical MND Science Pathways



Note: Laboratory Practicum is also available to 10th, 11th and 12th grade students as a ¼ credit.

The rings of this diagram align with the four-year science curriculum at MND. The inner-most ring contains the Biology options for the freshman year of study. Additional course options for successive years are shown in the concentric rings. The dotted division line signifies that these courses are open to both juniors and seniors.

Minimum Graduation Requirements
 Three (3) units of Science comprised of...

- 1 Life Science (marked *)
- 1 Physical Science
- 1 Additional Science

SCIENCE

LIFE SCIENCES

≥ BIOLOGY CP1 9 1

This introduction to the science of life and the basic functions of living things includes the study of the cell, the scientific process, genetics, human reproduction and evolution, chemical processes of life, a general survey of plants and animals, and classification.

≥ BIOLOGY CP2 9 1

This course covers the same topics described above with a less intense approach.

≥ HONORS BIOLOGY - HON 9 1

This introduction to the science of life and the basic functions of living things includes the study of the cell, the scientific process, genetics, human reproduction and evolution, chemical processes of life, a general survey of plants and animals, and classification. This course is designed for the student who has advanced academic skills, is highly self-motivated, and desires learning at an accelerated pace. Special importance is placed on differentiating instruction to allow for the development of extended critical and creative thinking skills as well as development of academic self-discipline.

Prerequisite: In general, a freshman who scores at the 80th percentile or above on the MND placement test is eligible for placement in *Honors Biology*. Once enrolled, the student earning below 77% may be asked to move to the CP1 level.

≥ AP BIOLOGY - AP 11/12 1

This course is designed for the second year biology student who has an interest in further study, and expansion of, *Biology I* concepts. This includes cells, genetics, plant and animal evolution, structure and function of plants and animals, organism behavior, and ecology. The format of the course is a combination of lecture, lab, individual investigations, and cooperative learning. Labs are emphasized and require individual outside research as well as teamwork with a partner or group. The student must be motivated and willing to do extensive independent work in and out of class. This course follows the guidelines set forth by the AP College Board and is designed to prepare the student to take the College Board AP Exam.

Prerequisite: *Biology*; 86% in *Honors Chemistry* or 90% in *Chemistry CP1*; AND/OR recommendation of the course teacher.

A student who has met the Science Department requirements for *AP Biology* and who answers affirmatively to the following questions should enroll in the *AP Biology* class.

- Are you a highly motivated student with a strong background in Biology and Chemistry?
- Would you enjoy taking an in-depth look at advanced Biology topics in a college-level setting?
- Are you prepared to embrace the challenges of a rigorous course?
- Are you self-directed, responsible, and a hard worker?
- Do you enjoy reading and analyzing information?
- Do you enjoy participating in class and working with others?

≥ - A course with this symbol meets for a full block on one day and a half block on the alternate day.

ENVIRONMENTAL SCIENCE CP1

11/12

1

This course applies scientific processes, thinking skills, and laboratory methods to study the inner workings of ecosystems, human impact on the environment and what can be done to reduce the negative consequences. Lithosphere, atmosphere, hydrosphere and biosphere will be explored through lab experiences including water, soil, and air testing in our community. The student will be guided to analyze environmental issues and form her own knowledge-based opinions.

Prerequisite: *Biology and Integrated Science or Chemistry with at least one CP1 science course grade exceeding 77%.*

ENVIRONMENTAL SCIENCE CP2

11/12

1

This course is a Life Science designed to review basic biological concepts as they apply to the environment. Topics include the workings of ecosystems, cycles, recent human impacts on the Earth and the interactions between biotic and abiotic factors. Applications of biological concepts to current environmental issues will be stressed.

Prerequisite: *Biology and Integrated Science or Chemistry.*

Note: This course is not open to any student with a CP1 science course grade exceeding 77%. Any student not meeting these requirements must obtain the signature of the science department chairperson.

ANATOMY AND PHYSIOLOGY CP1

11/12

1

This course surveys the anatomy and physiology of the human body (what the various parts of the body are and how they function). Current bioethical issues and medical advancements are discussed; scientific terminology and applications are stressed through labs, dissections, and use of equipment.

Prerequisite:

Life Science Requirement: *Honors Biology or 77% in Biology CP1 or 80% in Biology CP2.*

Physical Science Requirement: *Completion of (or concurrent with) Honors Chemistry or Chemistry CP1 OR Integrated Science CP1 OR 80% in Integrated Science CP2 OR 77% in Chemistry CP2.*

ANATOMY AND PHYSIOLOGY CP2

11/12

1

“The Incredible Human Body” - This course will cover human anatomy and applicable physiology through lecture, lab and dissection. Major topic areas of the course include: general plan of the human body; human development; organ systems; and causes, cures, and prevention of diseases.

Prerequisite: *Biology and Integrated Science or Chemistry.*

Note: This course is not open to any student with a CP1 science course grade exceeding 77%. Any student not meeting these requirements must obtain the signature of the science department chairperson.

SCIENCE

PHYSICAL SCIENCES

INTEGRATED SCIENCE CP1

10

1

This course introduces a mixture of physical, earth, and space sciences with a focus on the physical sciences. Science process skills are emphasized. This course is taught as a preparatory course for junior/senior level chemistry and physics.

Prerequisite: 85% in *Biology CP2* OR 80% in *Biology CP1*
AND 85% in *Introductory Algebra Concepts* or 70% in *Algebra I*.

INTEGRATED SCIENCE CP2

10

1

This course covers the same topics as *CP1* but with a less intense approach.

Prerequisite: *Biology*

≥ CHEMISTRY CP1

10/11/12

1

This course includes a study of measurement skills, atomic structure, bonding, stoichiometry, states of matter, periodic trends, solutions, acids, bases and equilibrium, and simple chemical and nuclear reactions. Mathematical relationships of chemical reactions and mathematical descriptions of gas behavior are studied under experimental conditions and in problem-solving situations. Laboratory experiences are designed to reinforce course content.

Prerequisite: 11/12: 80% in *Honors Algebra I* OR 82% in *Algebra I*
OR 80% in *Honors Geometry* OR 82% in *Geometry CP1*.

10: 86% in *Honors Algebra I* OR 80% in *Honors Geometry*
OR 95% in *Algebra I* and 93% in *Biology CP1* OR 85% in *Honors Biology*.
The sophomore student is not permitted to waiver into *Chemistry*.

≥ CHEMISTRY CP2

11/12

1

This course includes the same topics listed above for *Chemistry CP1* but with less mathematical orientation and a less intense approach.

Prerequisite: *Intermediate Algebra Concepts* OR *Algebra I*
AND the recommendation of the *Integrated Science* teacher.

≥ HONORS CHEMISTRY - HON

10/11/12

1

This course provides a rigorous theoretical and mathematical model for understanding the study of atomic structure and the interrelationships among the chemical systems. It is designed to develop conceptual modeling, scientific and chemical literacy, critical thinking skills, problem solving skills, proficiency in the use of scientific technology, and proficiency in oral and written communication.

Prerequisite: 11/12: 86% in *Honors Algebra I* OR 93% in *Algebra I*
OR 86% in *Honors Geometry* OR 93% in *Geometry CP1*.

10: 90% in *Honors Algebra I* OR 85% in *Honors Geometry*
AND 90% in *Honors Biology* OR 93% in *Biology CP1*.

≥ - A course with this symbol meets for a full block on one day and a half block on the alternate day.

SCIENCE

≥ AP CHEMISTRY - AP

11/12

1

This course is designed for the second year chemistry student. It presents an overview of introductory chemistry and an in-depth study of chemical kinetics, chemical equilibrium, mechanisms of chemical reactions, and some organic and biochemical systems. It also prepares the student to take the College Board AP exam.

**Prerequisite: 86% in *Honors Chemistry* OR 93% in *Chemistry CP1*,
AND 90% in *Honors Algebra II* OR 93% in *Algebra II*,
AND/OR recommendation of the *AP Chemistry* teacher.**

A student who has met the Science Department requirements for *AP Chemistry* and who answers affirmatively to the following questions should enroll in the *AP Chemistry* class.

- Do I consider lab experiences an enjoyable way to increase my grasp of a concept?
- Does problem solving intrigue me?
- Am I excited about taking what I have learned and applying it in new situations?
- Do I enjoy a fast-paced course and working with others?
- Am I curious about how the world works? Did I enjoy previous science classes?
- Am I self-motivated?
- Will I read and study independently so that I can rise to the challenge of college-level work?

≥ PHYSICS CP1

11/12

1

This is a fundamental course designed for the college prep student. The course includes the basic study of motion, forces, energy, sound, light, optics, electricity, magnetism, and modern physics. Critical thinking skills, problem solving skills, and a solid mathematical background will be developed.

Prerequisite: 80% in *Chemistry CP1* AND 84% in *Algebra II CP1*

**Note: Can be taken concurrently with *Algebra II CP1*
if recommended by the *Physics* teacher
AND 84% in *Geometry CP1* or *Geometry CP2*.**

PHYSICS CP2

11/12

1

This fundamental course is designed for the college prep student. The class covers the same topics as *Physics CP1* but with a less intense approach. Problem solving skills and a mathematical background will be developed.

**Prerequisite: *Chemistry CP1* OR *Chemistry CP2*
AND 80% in *Algebra II CP2* or *Algebra II CP1***

**Note: Can be taken concurrently with *Algebra II CP1* or *Algebra II CP2*
if recommended by the *Physics* teacher
AND 80% in *Geometry CP1* or *Geometry CP2*.**

≥ - A course with this symbol meets for a full block on one day and a half block on the alternate day.

SCIENCE

≥ AP PHYSICS - AP

11/12

1

This college-level curriculum covers the study of energy relationships in matter with particular emphasis on various types of motion and forces. It provides an extended look at wave behavior, sound, light, optics, electricity, magnetism, and modern physics. Critical thinking and problem-solving skills are stressed; a strong mathematical background is required. The course also prepares the student to take the College Board AP exam. Additionally, the student may elect to participate in the Mount Saint Joseph Dual Credit Option to earn three (3) hours of college Physics credit. Both the AP test and the Dual Credit Option have associated fees.

Prerequisite: 86% in *Honors Chemistry* OR 93% in *Chemistry CP1*
AND 86% in *Honors Algebra II* OR 88% in *Algebra II CP1*.

Note: Can be taken concurrently with *Honors Algebra II*
if recommended by the *Physics* teacher.

A student who has met the Science Department requirements for *AP Physics* and who answers affirmatively to the following questions should enroll in the *AP Physics* class.

- Do you enjoy using math to solve practical problems?
- Do you like extremely fast-paced classes?
- Do you enjoy solving word problems?
- Are you interested in how things work? In the world? In the UNIVERSE?
- Do you like to design and build things and actually get to test them?
- Are you ready for a course that will forever change the way you look at everything in your life?
- Ready for a real challenge that will give you real skills you can use in college?
- *AP Physics* is ready for you!

INTRODUCTION TO ENGINEERING – CP1

11/12

1

“Engineering Your Future” - This year-long course describes the field of engineering, allowing students to explore technology systems and design processes. Through this course students will utilize math, science, and technology to solve engineering problems. The course is primarily project-based and requires substantial participation by all students. It also emphasizes teamwork and oral and written communication skills while using technology to make an impact on society. Three quarter hours of college credit (through the University of Cincinnati) will be earned by the successful student. This class is combined with *Introduction to Engineering Honors*.

Prerequisite: *Algebra I, Geometry, Biology, and Chemistry*
with an overall cumulative average of 85%.

≥ - A course with this symbol meets for a full block on one day and a half block on the alternate day.

SCIENCE

INTRODUCTION TO ENGINEERING – HON

11/12

1

“Engineering Your Future” - This year-long course describes the field of engineering, allowing students to explore technology systems and design processes. Through this course students will utilize math, science, and technology to solve engineering problems. The course is primarily project-based and requires substantial participation by all students. It also emphasizes teamwork and oral and written communication skills while using technology to make an impact on society. Three quarter hours of college credit (through the University of Cincinnati) will be earned by the successful student. This class is combined with *Introduction to Engineering (CP1)* class, and students receiving honors credit will be responsible for completing one extra project per semester. For honors credit, the student must use the engineering design process to create a project that could be entered in the University of Cincinnati Science and Engineering Expo (Saturday in March). Students will have checkpoints at each quarter. Outside of class preparation may also be required.

Prerequisite: *Algebra I, Geometry, Biology, and Chemistry* with an overall cumulative average of 90%.

HONORS ENGINEERING MODELS – HON

11/12

1

Engineering Models is designed to develop good problem-solving techniques and to illustrate how engineers use mathematics to solve a variety of practical and often complex problems. The course introduces MATLAB® as a programming tool to enable students to explore engineering concepts. This course can be a continuation of *Introduction to Engineering* or for the student who knows she plans to study Engineering in college and would like an introduction to programming. Three hours of college credit (through the University of Cincinnati) will be earned by the successful student.

Prerequisite: *Algebra I, Geometry, Biology, and Chemistry* with an overall cumulative average of 90%. Successful completion of or currently taking *Calculus* and *Physics*.

LABORATORY PRACTICUM – CP1

10/11/12

.25

This is a thirty (30 hour) individual study designed to provide practical experience in the science laboratory through exposure to laboratory management and procedures. The student will be given “hands-on” experience by assisting a classroom teacher in set-up, clean-up and execution of experiments. The student must schedule a free period in her schedule and turn in the *Practicum Agreement* with her course selection form. Once the master school schedule is formed and a science teacher match is created, the teacher and student will create a contract that outlines the specific expectations for this practicum experience.

Prerequisite: *Practicum Agreement* to be turned in with the course selection form. Recommendation of the science teacher.

SCIENCE

SOCIAL STUDIES

ADVANCED PLACEMENT AND HONORS PROGRAM

Advanced Placement and Honors courses in the Social Studies department use recognized college course textbooks, are fast paced, and demand a significant commitment and preparation time.

A student who has met the social studies department requirements for an AP social studies course and who answers affirmatively to the following statements should enroll in an AP social studies class.

- I enjoy looking at the “big picture” and drawing connections across cultures to understand the causes and results of world events.
- I have a firm grasp of geography.
- I am excited about extending my ability to write analytically about historical events and their implications.
- I am willing to commit considerable time each night in preparation (reading, writing) for each day’s class.

AP HUMAN GEOGRAPHY

9* and 10/11/12** .5

Human Geography is the study of how people make places, how people organize space and society, how people interact with each other in places and across space, and how people make sense of others and ourselves speaking along the lines of locality, region, and world. The student will be able to use spatial concepts and landscape analysis to examine human organization of space. The student will also be able to understand spatial relationships at different scales ranging from the local to the global. Finally, the student will show how to use and interpret maps, data sets, and geographic models by creating such maps, graphs, and charts throughout the duration of the course.

Prerequisite for 10/11/12: 90% in current CP1 history or 85% in current AP history and/or recommendation of the social studies teacher.

Note: Students will complete an assignment prior to the beginning of this second-semester class.

***Students in the Billiard Scholar Honors Program will be enrolled in this class. Additionally, other incoming freshmen may test into the class in the spring.**

****10/11/12 may enroll in the course. The course will be held if a non-freshman section can be filled.**

AP U.S. HISTORY - AP

10 1

This course surveys the directions of American growth with special emphasis on social history as well as major political themes. Using a college text, classes are fast-paced and challenging. Round table discussions and review of primary documents prepare the student for the College Board Advanced Placement exam in May. The student needs to be self-motivated and willing to do extensive reading to succeed.

Prerequisite: 85% in *AP Human Geography* or 90% in *Global Perspectives* and/or recommendation of the social studies teacher.

Note: Students may be required to complete a summer assignment prior to the beginning of the school year.

AP WORLD HISTORY - AP

11

1

AP World History is a college-level survey course of the entirety of World History, from the earliest developments of the human race to the present day. The course’s core content is driven primarily by the requirements of the College Board’s *AP World History* course description, engaging students in higher-level critical thinking and historical analysis. The student has the opportunity to earn college credit by taking the College Board AP World History Exam or through co-registration in the Collegium program at Xavier University. As part of the junior year social studies curriculum, students will complete an annotated bibliographic essay for this course.

Prerequisite: 90% in *U.S. History CP1* or 85% in *AP U.S. History* and/or recommendation of the *U.S. History* teacher.

Note: Students are required to complete a summer reading assignment prior to the beginning of the school year.

☺ AP EUROPEAN HISTORY - AP

12

.5

The student studies the cultural, economic, political and social development that played a fundamental role in shaping today’s world. Besides a basic narrative of events and movements, the course promotes an understanding of modern European history, ability to analyze and interpret historical evidence and to express this understanding in writing. The student must be self-motivated and willing to do extensive reading to be successful. This course follows the guidelines set forth by the AP College Board and is designed to prepare the student to take the College Board AP Exam. Additionally, the student may elect to participate in the Mount Saint Joseph Dual Credit Option to earn three (3) hours of college credit. Both the AP test and the Dual Credit Option have associated fees.

Prerequisite: 90% in *World History CP1* or 85% in *AP World History* and/or recommendation of the *World History* teacher.

AP U.S. GOVERNMENT AND POLITICS - AP

12

.5

This course focuses on The United States Constitution, political beliefs and behavior, political parties, interest groups, the three branches of government, public policy, and civil rights and liberties. It is a college-level course requiring disciplined study habits, consistent preparation, and the ability to understand intellectual material. It is designed for the student especially interested in political science and highly motivated to do intensive reading. This course follows the guidelines set forth by the AP College Board and is intended to prepare the student to take the College Board AP Exam.

Prerequisite: 90% in *World History CP1* or 85% in *AP World History* and/or recommendation of the *World History* teacher.

☺ - Courses with this symbol will be given for one-half block all year.

SOCIAL STUDIES

AP PSYCHOLOGY - AP

11/12

1

The AP Psychology course introduces 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, principles, 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.

Prerequisite: 90% in current CP1 history course or 85% in current AP history course and/or recommendation of current CP1 or AP history teacher.

HONORS ECONOMICS - HON

12

.5

This course is designed to equip the honor student with the analytical tools to make reasoned, objective judgments about current economic issues and problems. The content includes micro-economics (the study of business behavior and financial institutions) and macro-economics (the role of government and the overall economy).

Prerequisite: 90% in World History CP1 or 85% in AP World History and/or recommendation of the World History teacher.

OTHER CORE AND ELECTIVE COURSES

GLOBAL PERSPECTIVES - CP1

9

.5

This is a preparatory course in mastering social studies skills needed for learning about global geography, United States and world history, government, and economics. Students will be introduced to the five basic themes of geography and apply them to what has happened and is currently happening in various global regions and civilizations, and examine the issues of these regions from multiple perspectives.

U.S. HISTORY CP1

10

1

This course presents a survey from the colonial period to the present time, with concentration on the broad movements in American history. Students will study the changes in American geography as well as the people and events that have influenced our nation.

Prerequisite: Recommendation of *Global Perspectives* teacher.

U.S. HISTORY CP2

10

1

This course covers the same topics as *U.S. History CP1* at a less intense pace.

Prerequisite: Recommendation of the *Global Perspectives* teacher.

SOCIAL STUDIES

WORLD HISTORY CP1

11

1

This is a survey of the histories of Eastern and Western civilizations from Ancient Egypt through the present. Emphasis is placed on geography and developments in art, architecture, literature, religion, economics, politics, and philosophy. As part of the junior year social studies curriculum, students will complete an annotated bibliographic essay for this course.

Prerequisite: Recommendation of the *U.S. History* teacher.

Note: The curriculum order of the *World History CP1* and *World History CP2* courses is not parallel. Changing levels during the school year is extremely challenging for students due to the pacing and focus of the course content. Students and parents should carefully consider course choices and consult the teachers before making final course selections. If concerned about placement, please speak to the teacher on curriculum day.

WORLD HISTORY CP2

11

1

This course covers the same topics as *World History CP1* at a less intense pace. As part of the junior year social studies curriculum, students will complete an annotated bibliographic essay for this course.

Prerequisite: Recommendation of the *U.S. History* teacher.

Note: The curriculum order of the *World History CP1* and *World History CP2* courses is not parallel. Changing levels during the school year is extremely challenging for students due to the pacing and focus of the course content. Students and parents should carefully consider course choices and consult the teachers before making final course selections. If concerned about placement, please speak to the teacher on curriculum day.

U.S. GOVERNMENT CPI

12

.5

The goal of this course is to provide the student with an understanding of our American government and political behavior. Content focuses on the major aspects of the development, organization, and operation of the system of government in the United States with emphasis on the legislative, executive, and judicial branches. This course will afford the student the opportunity to participate in the political environment as informed and effective members of the U.S. citizenry.

Prerequisite: Recommendation of the *World History* teacher.

U.S. GOVERNMENT CP2

12

.5

This course covers the same topics as *U.S. Government CP1* but at a less intense pace.

Prerequisite: Recommendation of the *World History* teacher.

SOCIAL STUDIES

ECONOMICS CP1

12

.5

Economics is the study of how people and nations deal with the problem of scarcity – not enough goods and services to answer everyone’s needs and wants. To understand the problem, the student will study the market system, American business organization, supply and demand, money and the banking system, the national economy, international trade, and other economic systems.

Prerequisite: 80% in *World History CP1* and/or teacher recommendation.

ECONOMICS CP2

12

.5

This course offers the same topics as *Economics CP1* but at a less intense pace.

Prerequisite: Recommendation of *World History* teacher.

☺ THE VICTORIAN PERIOD - CP1

12

.5

This course will examine the reign of Queen Victoria and the period to which she gave her name. Attention will be given to development of mores that came to define proper middle class society. This course will use both primary and secondary sources.

Prerequisite: *World History*.

HISTORY OF THE SIXTIES - CP1

12

.5

This course seeks to place the era currently known as “The Sixties” in the context of post-World War II U.S. History. In addition to the presidencies of Dwight D. Eisenhower, John F. Kennedy, Lyndon Johnson, and Richard Nixon, topics include the Civil Rights movement, the New Left, the Vietnam War and the antiwar movement, black power and the Black Panther Party, the counterculture, and the women’s liberation movement. Materials include writings from the era, biography and autobiography, films and contemporary music.

PSYCHOLOGY - CP1

11/12

.5

This course will provide exposure to the foundations of psychology through a study of the mind and human behavior. This course will look at the various approaches to studying psychology. It will cover such topics as development, learning, intelligence, motivation, emotions, personality, stress, memory, and psychological disorders. A research paper will be required as part of the final exam.

INTRODUCTION TO PHILOSOPHY - CP1

11/12

.5

This course combines lecture, discussion, and seminar techniques to introduce the student to the dominant themes in philosophy, starting with the early Greeks and ending with current post-modern ideas. Various approaches including the philosophy of God and the philosophic influences on Christian thought and theology are studied. A paper will be required as part of the final exam.

☺ - Courses with this symbol will be given for one-half block all year.

SOCIAL STUDIES

VISUAL ARTS

Our philosophy includes the belief that art is for everyone. However, we do realize that it is not the career path for every student. Our program is designed so every student can find a topic that she would like to experience. Some courses are introductory, while others require the dedication and motivation of the serious artist.

For the student who thinks she might want to pursue the study of art after high school, it is highly recommended that her exposure to art begin in freshman year with the *Art Foundations* class, followed by *Art Studio 2* as a sophomore, and *Art Studio 3* as a junior. By senior year, the student will be prepared to take the *Portfolio Prep* or *AP Studio* class, which will facilitate the production of a portfolio of work for acceptance into a college program and/or application for scholarship. This student may also choose to take other art electives during her years at MND. In *AP Studio*, college credit may be awarded based upon the College Board assessment of the student's portfolio.

The student interested in fulfilling her fine arts requirement for college may choose a core course or a specific area of study at any time during her four years at Mount Notre Dame. However, core courses must be taken in sequence, regardless of the student's career intentions.

CORE COURSES

ART FOUNDATIONS - CP1

9/10/11/12

1

Designed to be an introductory course, *Art Foundations* offers the student the opportunity to create using a variety of media. It serves as a foundation for the student interested in pursuing art more seriously. Processes studied include, but are not limited to, drawing, painting, printmaking, collage, and some 3-D construction. Studying art history and the works of the masters, critiques, reflective writing, and class discussions will all play a part in enriching the total experience. Most supplies will be furnished. The student is expected to provide a portfolio for transporting/storing her work. Weekly homework will be assigned.

ART STUDIO 2 - CP1

10/11/12

1

This course follows *Art Foundations* in content. A more in-depth look at the elements and principles of design will be covered. The student will gain a better understanding of these concepts and how they impact famous pieces of art as well as her own work. Additionally, the human figure will be studied in respect to proportion, form, and, to some degree, anatomy. Through practice and a variety of experiences, the student will become more adept at rendering the figure. Emphasis will be placed on improving drawing skills as well as becoming more comfortable with discussion and critique of her own and others' artwork. Media used will require/develop more skilled technique. Charcoal, watercolor, acrylic paint, colored pencil, and oil pastel will be highlighted, but other media will also be included. Homework will be assigned weekly. The student will be asked to provide a tackle box with lock and a portfolio.

Prerequisite: *Art Foundations* and/or recommendation of an art department teacher.

VISUAL ARTS

ART STUDIO 3 - CP1

11/12

1

The student enrolling in this course is presumed to be self-motivated regarding the study and production of art both in an historical light and in relation to her own work. Experiences will be designed to help the student artist begin to develop her own voice and to conceptualize her work. The study of contemporary artists as well as those more widely recognized will be instrumental in this process. Attendance at an official "Portfolio Day" is strongly encouraged. Discussion, critique, and a written journal (sketchbook) will be an integral part of the student's development. A tackle box with a lock and a portfolio will be needed. Production outside of class time should be expected. The student may be asked to obtain some of her own materials, determined by individual projects.

Prerequisite: *Art Studio 2* and the recommendation of an art department teacher.

ART PORTFOLIO PREP - CP1

12

1

This senior-level course is intended to aid the student in the creation of a portfolio for admission into college and/or for scholarship competition. Emphasis will be on furthering technical skills, improving composition, and finding one's own artistic voice. Speed of production and honing of craft will be emphasized as will strict adherence to deadlines. Critiques are conducted on a regular basis. Level of commitment should be evident to the instructor. Considerable time outside of the classroom will be required to complete this course successfully. Most supplies will be provided and will be professional quality materials; however, the student may need to purchase additional supplies on her own. Criteria for judgment will be more demanding.

Note: Guidance regarding the creation of the art for the student's portfolio, as well as the organization and submission of art to various colleges, is available in this class.

Prerequisite: *Art Studio 2/3* or *Art Studio 3* and recommendation of an art department teacher.

AP STUDIO ART - AP

12

1

This course is designed for the student who is seriously interested in pursuing art as a major in college. The class affords the student the opportunity to earn college credit and/or advanced placement in college courses. The student is required to submit a strong portfolio of work for evaluation near the end of the school year. Portfolios are reviewed by college, university, and secondary school instructors, using rigorous national standards for performance in the visual arts.

Prerequisite: *Art Studio 2/3* or *Art Studio 3* and recommendation of the department chairperson.

A student who has met the visual arts department requirements for *AP Studio Art* and who answers affirmatively to the following questions should enroll in the *AP Studio Art* class.

- Am I willing to spend extra time working on my own, outside of the classroom, to complete my work and meet deadlines?
- Am I able to stay focused on a single idea, continuing to explore and make art that is connected to that idea for a sustained period of time?
- Am I willing to explore new ideas, as well as work to increase my skill level with processes I already know?
- Am I motivated enough to make more art than the minimum amount assigned?
- Am I willing to make this class a priority in my life?

ELECTIVE COURSES

ART EXPERIENCE - CP1

9/10/11/12

.5

Art Experience is a “sampler” course that will include a variety of experiences, one from each of the different art courses taught at MND. This class is based on hands-on art making. The art you make will be inspired by the work of well-known artists. The class is one semester, and successful completion results in a half-credit towards the Fine Arts requirement. There will be some homework, some tests and an exam. Students will need a portfolio for the storage of their work in school. No previous experience with the materials is needed.

☺ CALLIGRAPHY I - NHR

10/11/12

.5

This creative arts class is for the student interested in learning the art of beautiful writing. The student will begin by learning the basic pen movements, and then move on to a variety of styles of alphabets, working in both black and colored inks. This class is designed to provide an opportunity for self-enrichment. There is no semester exam or assigned homework.

☺ CALLIGRAPHY II - NHR

11/12

.5

This course is designed to build on the skills acquired in *Calligraphy I*. The student will focus on creating art projects incorporating calligraphy techniques. She will learn how to use alignment, contrast, white space, and other principles of design to create effective compositions. This course uses a variety of materials including, but not limited to, watercolors, spray gesso, pastels, and colored pencils. This is an enrichment class with no semester exams or assigned homework.

Prerequisite: Completion of *Calligraphy I* and the recommendation of the teacher.

CERAMICS I - CP1

10/11/12

.5

The emphasis of this class is on hand-building techniques, but students will have the opportunity to work on the wheel. Specific projects will be assigned, but there will also be room for creativity. In addition, the student will be able to experiment with a variety of glazing techniques. The student should expect some outside assignments.

CERAMICS II - CP1

11/12

.5

The student will continue to work with hand-building techniques and will continue to have the opportunity to work on the wheel. However, many of the pieces will be created with a combination of techniques. The student will experiment with glazing and firing processes and will gain a greater understanding of the materials. The student will be given general guidelines and teacher expectations as it pertains to her work, but will be encouraged to be creative and to express her own ideas. Some outside research will be required in order to create successful pieces in class.

Prerequisite: Recommendation of the *Ceramics I* teacher.

Note: *Ceramics I* and *Ceramics II* cannot be taken in the same school year.

☺ - Courses with this symbol will be given for one-half block all year.

VISUAL ARTS

FIBERS I - CP1

10/11/12

.5

This semester course is an exploration of the art of designing with fibrous materials. The student will explore a wide variety of processes and materials, including papermaking, book binding, weaving, knitting, batik, and fabric collage. A heavy emphasis is placed on learning and applying elements and principles of design to artwork. The student will learn about contemporary fiber artists as well as the historical relevance of fiber art. The student will be expected to work on some outside assignments. The student will be asked to purchase some supplies.

FIBERS II - CP1

10/11/12

.5

This semester course continues to explore the use of fibers in making art. It will focus on the use of fabric and stitching. The student will be designing and creating pieces that require more advanced processes and more complicated techniques. Possible pieces may include, but not limited to, painting on fabric, fabric appliqué, embroidery, quilting, and fabric sculpture. The student will be expected to buy some minimal amount of supplies, while most will be supplied. Purchases will be required as pieces are made.

Prerequisite: Completion of *Fibers I* and the recommendation of the teacher.

JEWELRY & METAL DESIGN - CP1

10/11/12

.5

This course is designed for the student interested in creating works of art in the form of jewelry and various metals. The student will learn techniques used in jewelry making, enameling, and metal smithing. Emphasis will be on understanding and applying elements and principles of design to her works of art. The student is expected to research and interpret various art theories as she develops her own styles. Homework and outside assignments will be given. The student will be required to purchase some supplies.

WOMEN ART MAKERS

9/10/11/12

.5

The class will include presentations, teacher-led discussions, and out-of-class research as a basis for some fun and interesting hands-on art exploration. Students will study art through the ages, learn about the unique challenges and achievements of women in the arts, and create art pieces influenced by the works of women art makers from the distant past to the present. No prior art experience is necessary.

VISUAL ARTS

PHOTOGRAPHY I - CP1

11/12

1

The first quarter of this course encompasses the building and use of a pinhole camera. Subsequent quarters work with a manually operated 35mm camera. The class is designed to enable the student to acquire a working knowledge of the function of a 35mm SLR manual camera. It will provide ample opportunity to become familiar with the "secrets" of working in a darkroom. The student will be expected to develop careful work habits, practice good craftsmanship, challenge her powers of creativity and to think and write thoughtfully about what she is learning. Each student is expected to have her own manual 35mm camera for the entire year. The student will need to spend time outside of class to complete assignments.

Prerequisite: Each student will need her own manual 35mm camera and photographic paper.

DIGITAL PHOTOGRAPHY

11/12

1

This class is an alternative to traditional photography, based on digital technology. Using a digital camera and images available on the internet, students will learn about photo manipulation using Photoshop. Emphasis will be on good design from an artistic point of view and students will be encouraged to develop an individual artistic voice. Instruction may also include the recording and formatting of digital images for the purpose of creating a digital portfolio of one's work. Techniques for higher quality prints will be included. Students are expected to have access to a digital camera with a *minimum* of 5 megapixels and should have a flash drive for saving images with a *minimum* of 2 GB of storage.

Prerequisite: The successful completion of *Photography I* class is highly encouraged; exceptions are made when appropriate. Recommendations for this class are most often made based on performance in *Photography I*. Photoshop experience is helpful but not necessary.

VISUAL ARTS

NCAA INFORMATION FOR STUDENT ATHLETES

Any student who hopes to play interscholastic athletics at the college level for a Division I or Division II school must be approved by the NCAA Eligibility Center. She should register with the Center in the spring of her junior year. The website can be accessed at <https://web1.ncaa.org/eligibilitycenter/common>. After registering, the student should report to the guidance office, so her counselor can send her transcripts to the Eligibility Center both after junior year and after senior year. The student must also have her SAT or ACT scores sent from the testing agency to the Eligibility Center whose code is 9999.

To be eligible to play for a Division I or II university, a student must have a minimum GPA in certain core, college preparatory classes. **ONLY THOSE COURSES LISTED BELOW** are used by the NCAA to calculate this core GPA. New MND courses will be submitted for approval. In addition, a student athlete must have a minimum ACT or SAT score that is determined by her GPA. The higher the GPA, the lower the test score can be.

A student athlete is encouraged to meet with one of MND's counselors to discuss her eligibility. An information evening, jointly sponsored by the guidance and athletic departments, is offered each spring for sophomores and juniors and their parents to explain this procedure in detail.

<u>ENGLISH</u>			
Creative Writing I & II	English I	English II	English III
AP English	Honors English III	English IV Rhetoric	English IV Literature
<u>MATHEMATICS</u>			
Algebra I	Algebra II	Calculus	
AP Calculus	Discrete Math	Geometry	AP Statistics
Math IV	Pre-Calculus	Statistics	
Introductory Algebra Concepts (.5 units/yr.)		Intermediate Algebra Concepts (.5 units/yr.)	
<u>SOCIAL SCIENCE</u>			
Economics	Global Perspectives	U.S. Government	AP U.S. Government
U.S. History	AP U.S. History	World History	AP World History
Psychology	The Victorian Period	History of the Sixties	
AP Psychology	AP European History	AP Human Geography	
<u>NATURAL/PHYSICAL SCIENCE</u>			
Biology	AP Biology	Chemistry	AP Chemistry
Environmental Science	Integrated Science	Physics	AP Physics
Anatomy and Physiology			
<u>ADDITIONAL CORE COURSES</u>			
French I, II, III, IV	AP French	Practicum in French	Honors French V
Latin I, II, III, IV	Spanish V Conversation and Debate Honors		
Beginning Spanish Part I & II (.5 unit each)		Spanish I, II, III, IV	AP Spanish Language
Practicum in Spanish	AP Latin: Vergil and Caesar (pending approval)		Introduction to Philosophy

Notes....Notes....Notes....Notes....Notes....Notes....Notes....Notes....