

LET YOUR CURIOSITY LEAD

AT HILL-MURRAY SCHOOL



2022-2023 **HIGH SCHOOL**
CURRICULUM GUIDE

A CURRICULUM DESIGNED TO AWAKEN CURIOSITY.

The Hill-Murray curriculum will engage your mind, express your creativity, and expand your knowledge of God and the world around you by exploring the rich history of human thought and endeavor.

HILL-MURRAY ACADEMICS

Our academic curriculum is designed to reward your passion and develop your capacity for critical thinking and creative problem-solving to pave the way for a lifetime of learning and leadership.

UPPER SCHOOL

The Upper School is a place where students discover, develop, and refine their interests in remarkable ways. Here you will think, create, and contribute every day in a community with people who will challenge you and, more importantly, support you.

At the core of our Upper School is a commitment to discovering each learner's potential. You will find classes of students engaging in discussion and debate; you will see students and teachers working one-on-one between classes to further their learning; and you will sense a community in which each student's educational journey happens in partnership with teachers and peers.

Students do not have to choose just one specific passion to pursue: they can be a varsity athlete and in a musical, they can be on the robotics team and direct a school play, they can be a sculptor and in the finance club, they can participate in service-learning and design-thinking. We encourage learners to try as much as possible and to take full advantage of the vast opportunities at our school.

TABLE OF CONTENTS



Welcome from President, Melissa Dan	4
Hill-Murray Identity, Mission and Vision	5
Curriculum Registration Policy, College Preparation	6
Guidance & Counseling Support	7
Academic Requirements (CIS, PACC, Articulated Credit)	8-9
Scholar Program and International Students	9
The Nicholas Center	10-11
Art and Digital Studio	12-13
Entrepreneurial Academy Pathways	14
Business Education	15-16
English, Writing & Literature, English Electives	16-19
Mathematics	20-21
Music	22-23
Physical Education, Health & Wellbeing	24-25
Theology	26-28
Science	28-31
Teacher Aide, Service Learning, Peer Programs	32
Social Studies	33-34
Technology Academy Pathway	35-36
Theatre	37
World Language	37-39
Credit Recovery, HM Accepted Online Curriculum, PSEO -Post Secondary Enrollment Options	39

WELCOME TO HIGH SCHOOL

AT HILL-MURRAY



PORTRAIT OF A HILL-MURRAY GRADUATE

Every Hill-Murray student will be an

**INQUISITIVE,
RESILIENT, AND
COMPASSIONATE
LEADER**

grounded in the teachings of Christ.

When you enter Hill-Murray for your middle and high school years, you are joining generations of PIONEERS who all pursued their passions during their time on campus. As a Hill-Murray student, you will be given the opportunity to think, create, work, and pray every day in a community with individuals who will challenge you, and more importantly, support you.

Our academic offerings in this guide are intentionally designed to open your mind and heart to new and exciting ideas while completing your graduation requirements.

Hill-Murray is not your typical school experience. At our core is a commitment to discovering every individual's potential where students routinely push the faculty to redefine and rethink perceived boundaries of learning and fun!

By design, the student body is large enough that we're able to provide a broad range of opportunities but small enough that the only limiting factor for student participation is time. You can be a varsity athlete and in the acapella group; you can be on the robotics team and in a school musical; you can be a sculptor and in a mock trial; you can participate actively in service-learning and machine learning.

I challenge you to take full advantage of the offerings in this curriculum guide and all the other opportunities in athletics, activities, clubs, campus ministry, and service. At Hill-Murray, we encourage you to try as much as possible and to take full advantage of the opportunities as only a PIONEER would.

A handwritten signature in black ink that reads "Melissa Dan".

Melissa Dan, Ed.S.

President

IDENTITY

Hill-Murray is an independent, Catholic, co-educational, college, and life-preparatory school serving students in grades 6–12. Rooted in our Benedictine and Lasallian traditions, we embrace the journey of each student and are committed to the growth and well-being of each member of our community.

MISSION

Hill-Murray empowers students to reach their fullest potential by inspiring them to utilize their God-given strengths to become leaders who will make a positive difference in the world.

VISION

Hill-Murray will become the preeminent school that partners with families to develop transformational leaders grounded in the teachings of Christ.

Fulfill Your Promise. Serve Others. Transform the World.

We're an educational leader in the Twin Cities — an independent, Catholic, forward-looking school rooted in strong values. We provide academic, physical, social, emotional and spiritual support to every student.

We focus on personalized learning that empowers students to embrace their journey and make a positive difference in the world.

Our staff is dedicated to addressing the strengths and challenges of each student and creating a space where compassion, service and excellence are the priorities.

FIND YOUR CALLING

This High School Curriculum Guide is designed to aid you in planning your course selections at Hill-Murray. This guide is a catalog of all the courses to be offered for the 2022-2023 school year.

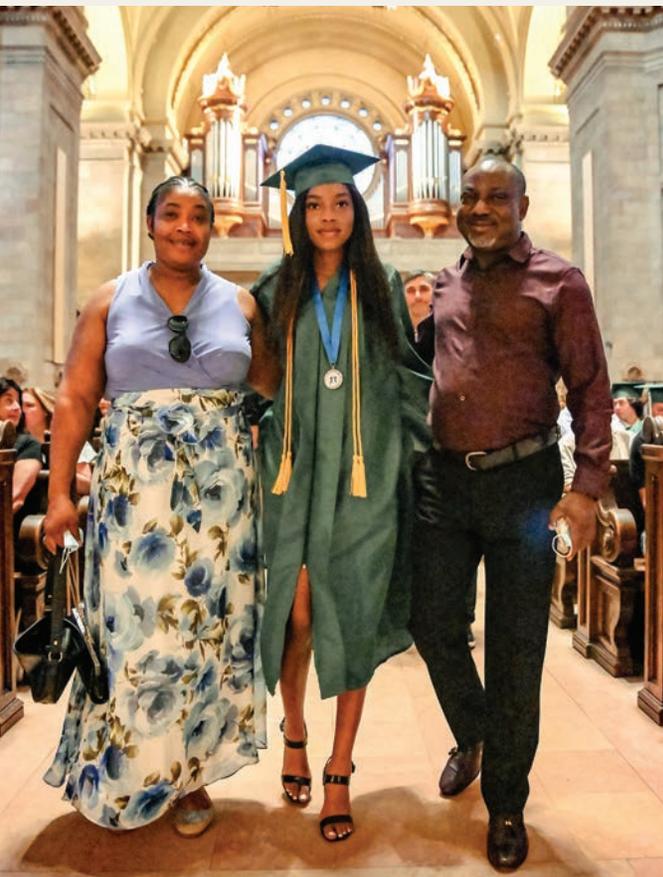
Listed by department, you will find a brief description of each course including the prerequisites, fees (if any) and other pertinent information you might need. You will find information about the requirements for graduation and other general information that will help you get the most out of your high school years.

Hill-Murray understands each student has his/her own individual path. To better guide our students on this path, we utilize The Naviance Readiness Solution; a

comprehensive toolset that help assess and develop essential competencies students need to be successful after high school.

We encourage families to fully utilize the capabilities within Naviance to assist in their child's academic career/post-secondary education, and personal-social development.

Unique readiness content and activities help to build knowledge and strengthen students' competencies in all essential areas.



CURRICULUM REGISTRATION POLICY

At Hill-Murray Middle School, our curriculum is focused on preparing students for the rigors of our high school program. With an emphasis on creative thinking, innovation and service, we work to establish a strong academic foundation while awakening students' curiosity.

The Hill-Murray High School curriculum helps students develop critical thinking skills, creative problem-solving skills, and a lifetime love of learning. We offer a wide variety of courses including College In the Schools (CIS), Advanced Placement (AP) and Honors classes. When our students graduate, they are prepared to use their talents to make significant contributions to our world.

In the event that a course is not offered due to insufficient enrollment or exceeds course capacity, a student's alternate choice will be used to complete the schedule. In the event a course change needs to be made, the change will be initiated with the student's counselor, and the student and approved by a parent/guardian. We prefer requests for course registration changes for the following year be made prior to the last school day of the year. After July 31, first semester course registration change requests will no longer be considered. Requests for specific teachers, a change in teachers or hours, will not be honored.

COLLEGE PREPARATION

The Guidance Department's sequential college planning curriculum is designed to work directly with Hill-Murray students and their parents to explore careers and colleges, assist in resume writing and help navigate the entire college application and financial aid process from start to finish. This includes: helping with college searches, visits, applications, personal statements, essays, scholarship searches, understanding the financial aid process, and appealing financial aid awards. There are daytime workshops and evening meetings to assist students and parents in the post-secondary planning process.

FOUR-YEAR COLLEGE

Four-year college admission decisions are based primarily on a student's high school record. In evaluating a student's high school record, colleges look at GPA, ACT/SAT test results, courses taken and participation in co-curricular and community activities. There is no "one best college" for each student. There are many excellent colleges (more than 4,000 nationwide) that could be a good "fit" for each student.

The courses a Hill-Murray student should take will depend on the individual student, the type of post-secondary school a student plans to attend and the intended area of study. Students who are looking at specific four-year schools should consult with those schools to check on admission standards. As a general rule, four-year colleges require:

4 Years of English, 3 Years of Math, 3 Years of Science, 3 Years of Social Studies, 2 Years of a World Language.

Some colleges, however, recommend a more rigorous high school curricular program which includes four years of the core courses. For example, the University of Minnesota - Twin Cities requires four years of math. We recommend students challenge themselves by taking the accelerated classes they feel they can handle and for which they qualify. Requirements may vary by college.

COMMUNITY, TECHNICAL & PRIVATE CAREER COLLEGES

In general, a well-rounded education is the best preparation for admission into Community, Technical and Private Career schools. In high school, courses in the fields of Technology Education, Business, and Fine Arts provide students with exposure to possible career choices and can help prepare a student for later study in one of these areas. These courses can also lead to a variety of careers.

HILL-MURRAY SCHOOL GRADING SYSTEM

College Prep

A = 4.00	A- = 3.67	
B+ = 3.33	B = 3.00	B- = 2.67
C+ = 2.33	C = 3.00	C- = 1.67
D+ = 1.33	D = 1.00	D- = 0.67

Honors/AP/CIS/PACC

A = 4.50	A- = 4.17	
B+ = 3.83	B = 3.50	B- = 3.17
C+ = 2.83	C = 2.50	C- = 2.17
D+ = 1.83	D = 1.50	D- = 1.17

HILL-MURRAY SCHOOL GRADING SYSTEM

GUIDANCE & COUNSELING SUPPORT SERVICES

An effective Counseling Department recognizes individual growth and that learning takes place in all aspects of one's life: intellectual, social, emotional and physical. Supporting this growth and development is essential in helping students make healthy and beneficial decisions.

Academic goals and post-secondary planning are also critical. The Hill-Murray Counseling Department is staffed by Licensed School Counselors, College Counselors, and a Clinical Psychologist.

MIDDLE SCHOOL COUNSELOR

Lisa Valentine lvalentine@hill-murray.org 651-748-2224

HIGH SCHOOL COUNSELORS

Charlie Cicalelo	ccicalelo@hill-murray.org	651-748-2426	Last names: A - Hus	Grades 9-11
Jodi Hurley	jhurley@hill-murray.org	651-748-2259	Last names: Hut - Ott	
Aaron Goulet	agoulet@hill-murray.org	651-748-2493	Last names: Otu - Z	
Shawn Reid	sreid@hill-murray.org	651-748-2441	Last names: A-L	Grade 12
Carrie Egan	cegan@hill-murray.org	651-748-2238	Last names: M-Z	

REGISTRAR

Mary McPherson mmcpherson@hill-murray.org 651-748-2428

CLINICAL PSYCHOLOGIST*

Dr. Julie Robinson jrobinson@hill-murray.org 651-748-2414

**For student referrals, please start with the student's counselor.*

Counseling services include academic, personal-social development, as well as, post-secondary planning. Services available to all students: Students classes and schedules | individual personal counseling | individual post-secondary planning | mental health education | monitoring of academic progress

ACADEMIC REQUIREMENTS TO GRADUATE

Forty-eight semester credits and four service credits (two service experiences equals one credit) are required to earn a Hill-Murray high school diploma as listed in chart below. The worksheet at the right can be used to help plan your students course selections.

Required courses for each year are already listed; fill in your elective choices in the open spaces. All students must take a minimum of six credits each semester.

Study Hall, which is not for credit, may be taken every semester of every year without affecting the 48-credit graduation requirement.



ACADEMIC REQUIREMENTS TO GRADUATE // 48-CREDITS

Graduation Requirements Forty-eight (48) semester credits are required for a Hill-Murray high school diploma, including the following semester credit:

English	8 credits	Science	6 credits
Fine Arts	1 credit	Social Studies	6 credits
Health	1 credit	Theology	8 credits
Mathematics	6 credits	Electives	11 credits
Physical Education	1 credit	Service Hour Requirement	

HILL-MURRAY GRADUATE

COLLEGE IN THE SCHOOLS (CIS) CIS offerings provide students courses of study at Hill-Murray that can concurrently allow them to receive college credit through the University of Minnesota.

PACC Saint Mary's PACC program partners with Hill-Murray in order to bring Saint Mary's undergraduate-level courses into our classrooms. Participating students can expect the same workload, learning activities, projects, and exams as the courses taught to first-year students at Saint Mary's.

SENIOR TO SOPHOMORE This program connects high-achieving Hill-Murray students with key resources on the St. Cloud State University campus while allowing them to remain in high school. Hill-Murray students get a chance to accelerate their learning and prepare their future.

ARTICULATED CREDIT THROUGH CENTURY COLLEGE

- Accounting and Personal Finance
- Entrepreneurship/DECA
- Ethics and Leadership
- Sales and Marketing

Students earning a B or better have the option to receive Articulated Credits through Century College. Meet with your Counselor if you are interested

ADVANCED PLACEMENT (AP) COURSES AP offerings provide students courses of study that can help them to receive college credit by taking an "AP" test when they complete the course.

PORTRAIT OF A HILL-MURRAY GRADUATE

INQUISITIVE

Driven by curiosity, an independent thinker and lifelong learner

A critical thinker and innovator willing to take risks

A problem solver with the intellectual courage to consider new perspective

GRADUATION REQUIREMENTS

GRADE 9 // SCHEDULE			GRADE 10 // SCHEDULE		
HR	1ST SEMESTER	2ND SEMESTER	HR	1ST SEMESTER	2ND SEMESTER
1	Theology 9	Theology 9	1	Theology 10	Theology 10
2	Intro Lit/Comp	Intro Lit/Comp	2	World Lit/Com	World Lit/Comp
3	Mathematics	Mathematics	3	Mathematics	Mathematics
4	Earth Science	Earth Science	4	Biology	Biology
5	Health	Phy Ed 9	5	World History	World History
6	_____	_____	6	_____	_____
7	_____	_____	7	_____	_____
ONE SERVICE CREDIT FULL YEAR (two service experiences equals one credit)			ONE SERVICE CREDIT FULL YEAR (two service experiences equals one credit)		
GRADE 11 // SCHEDULE			GRADE 12 // SCHEDULE		
HR	1ST SEMESTER	2ND SEMESTER	HR	1ST SEMESTER	2ND SEMESTER
1	Liturgy and Sacraments	Theology	1	Personal Ethics & Justice	Theology
2	Advanced Writing	Literature	2	College Bound Writing	Literature
3	U.S. History	U.S. History	3	Government	Economics
4	Science or Technology*	Science or Technology*	4	_____	_____
5	Mathematics	Mathematics	5	_____	_____
6	_____	_____	6	_____	_____
7	_____	_____	7	_____	_____
ONE SERVICE CREDIT FULL YEAR (two service experiences equals one credit)			ONE SERVICE CREDIT FULL YEAR (two service experiences equals one credit)		

Study Hall is recommended for students taking multiple CIS, PACC and Senior to Sophomore courses. Additional fees apply to students taking classes through the U of M, Saint Mary's University or St. Cloud State University.

SCHOLAR PROGRAM

The scholars program is available for students that are pursuing life experiences that they would not be able to obtain through a traditional Hill-Murray graduation track. To be selected for the Scholars program students must be able to develop a plan that is approved by the Student Assistance Team (S.A.T.) to meet graduation standards listed below. Families interested in this program must contact their guidance counselor.

INTERNATIONAL STUDENTS

At Hill-Murray, we welcome international students with a focused desire to learn and a passion to experience another culture. While international students face a rigorous academic schedule, we also encourage participation in co-curricular activities such as sports, music and the arts. International students can take a religion course of their choice for their junior or senior year. Ecumenism and World Religions or Spiritual Awakening.

To be accepted at Hill-Murray, students must also possess an academic record of C average or higher.



Resources That Foster Success.

Hill-Murray established The Nicholas Center (YNC) to provide individualized support to learners who need additional help. This resource helps students work to their strengths and develop personal learning strategies and capabilities needed to thrive. TNC helps them succeed in Hill-Murray's academically challenging environment.

TNC PROGRAMS address the strengths and challenges of each individual student, assisting them with organization, planning, time and material management, mathematics and reading skills.

GUIDANCE & COUNSELING supports students and families to make important decisions such as course selection, career exploration and post-secondary options.

PEER TUTORS meet with students who would like help in any core subject area during WIN Time.

PEER LISTENERS are junior and senior students who are here to listen if you want to talk confidentially about school, personal or interpersonal issues.

CLINICAL PSYCHOLOGIST On-campus services are available to students. Dr. Julie Robinson, Ph.D., L.P. provides psychological assessments for students with learning differences and other cognitive or psychological concerns. She also works closely with H-M staff to screen for mental health issues, provide therapy or other interventions and is available to help parents seek external therapeutic or medical resources as needed.

THE NICHOLAS CENTER

To find out more about The Nicholas Center and how the program may work with your son or daughter, contact **Brent Johnson, Director of The Nicholas Center** at 651-748-2450.

ACADEMIC STUDY SKILLS

SEM 1 COLLEGE READING AND STUDY SKILLS 11-12

SEM 2 COLLEGE READING AND STUDY SKILLS 11-12

Full Year, 1 Credit each semester - 2 Credits total - Required approval of TNC

Students can earn dual credit with St. Cloud State (2 credits) for successful completion of this class. Students will learn college level application of problem solving strategies, study strategies, note taking and test taking to enhance individual learning experiences and to prepare for examinations in college coursework. *A tuition fee will be charged for University credits.*

STRATEGIC STUDY LAB 9-10

Full Year, 1 Credit each semester - 2 Credits total - Required approval of TNC

STRATEGIC STUDY LAB 11-12

Full Year, 1 Credit each semester - 2 Credits total - Required approval of TNC

This is more than just a study hall! This strategic study lab will be staffed with people who are there to help students learn in the way that's best for them. Using learning specialists, as well as current content teachers, this course will support the development of organizational skills, study skills, reading for content strategies, writing, math and science support. Students will be assigned to this class based on their academic needs.

READING

HIGH SCHOOL READING ENRICHMENT 9-12

Full Year, 1 Credit each semester - 2 Credits total - Required approval of TNC

This course will improve reading proficiency in fluency, vocabulary, and comprehension. Students will read leveled, high-interest literature for both academic and recreational purposes. An emphasis will be placed on non-fiction for college prep and real-world applications. Students are encouraged and motivated to have a love for reading through realistic and individualized goal setting. Achieve 3000® is a computer program to ensure students are reaching learning goals. *Students will be assigned to this class based on their academic plan.*

WILSON READING SYSTEM® 9-12

Full Year, 1 Credit each semester - 2 Credits total - Required approval of TNC

Students whose basic reading and spelling skills are significantly below their academic potential may request remediation with the Wilson Reading System®. This system consists of 12 steps of direct, systematic, code-based, interactive, multi-sensory instruction. For students of all ages and ability levels, it provides the skills necessary to decode (read) words accurately and fluently and to encode (spell) as they learn to decode.

MATH

MATH ENRICHMENT 9-12

Full Year, 1 Credit each semester - 2 Credits total - Required approval of TNC
(Middle School classes may be offered as needed)

This hybrid taught class utilizes the ALEK's® math program to provide an opportunity for students to enrich their Algebra and Geometry skills so they have a robust foundation. Students within this class will trade off between direct instruction and computer-based instruction to provided them with an experience that enriches their individual needs.

HM PIONEER SUMMER 2022



Pioneer Summer offers a variety of experiences in three main categories:

- Academic: Credit and enrichment classroom experiences - contact your guidance counselor for recommendations.
- Arts & Activities: Fine arts and experiential learning
- Athletics: Sport development camps

These summer classes are designed to help you explore, try something new, meet friends, and have FUN!

Information coming soon for Pioneer Summer 2022.

THE JOURNEY OF A LIFETIME BEGINS HERE

READING ENRICHMENT

READING ENRICHMENT

The Nicholas Center offers the Wilson Reading System® program to assist students who are reading below grade level or who have a language-based learning disability. We assist students with vocabulary development with the Just Words® program and Achieve 3000® helps boost reading comprehension.

MATH ENRICHMENT

MATH ENRICHMENT

We offer a three-year Algebra and Geometry program using the Assessment and Learning in Knowledge Spaces (ALEKS) System®, a web-based assessment and learning system that determines what a student needs to know in a course and then designs instruction around that content.

ASSISTIVE TECHNOLOGY

ASSISTIVE TECHNOLOGY

All Hill-Murray students receive either a Chromebook (Middle School) or a MacBook Air (High School), and our Assistive Technology program helps students maximize the capabilities of these machines. This program is available by individual request.

ART AND DIGITAL STUDIO

ART STUDIO

Sculpture & Illustration		
Drawing & Painting	Studio Art 2	Studio Art 3
Ceramics 1	Ceramics 2	Ceramics 3

DIGITAL STUDIO

Photography 1	Photography 2	
Computer Graphics 1	Computer Graphics 2	Computer Graphics 3

0804 DRAWING & PAINTING STUDIO ART 1, OFFERED IN 2022-23

1 Semester, 1 Credit Elective 9-12

This course provides an experience with drawing and painting using unconventional and conventional tools and materials. Wood, sanders, chisels, pencils, charcoal, ink pens & acrylic paint on stretched canvas will all facilitate easy-to-learn classical approaches to drawing and painting. Emphasis will be placed upon learning the art elements (line, shape, color, value, texture, space and form) and the principles of design (unity, contrast, balance, emphasis, movement, and rhythm) so the subtle meanings of any image can be better understood. This will provide a strong foundation for the other studio art courses offered, as well as an appreciation for art and our cultural heritage. Students participate in critiquing art and giving feedback to their peers. *This course is offered on odd graduation years.*

0816 SCULPTURE & ILLUSTRATION STUDIO ART 1, OFFERED IN 2023-24

1 Semester, 1 Credit – Elective 9-12

A variety of easy-to-learn techniques for ink drawing, printmaking, collage, and sculpture will be the major experiences of this art class. Emphasis will be placed upon learning the art elements and the principles of design so that any image or art object's subtle meanings can be revealed. Sculpture projects will work with wire, paper, wood, found objects, and materials that will allow your sculpture to move and function like a machine. This class provides a strong foundation for the other studio art courses offered, as well as an appreciation for art and our cultural heritage. Students will participate in critiquing art and giving feedback to their peers. *This course is offered on even graduation years.*

0803 CERAMICS 1

1 Semester, 1 Credit – Elective 9-12

This course will focus on the basics of three-dimensional design with an emphasis on wheel-thrown pottery. Students will be introduced to topics of ceramic history, and hand-building methods with clay, texture, glazes and design. They will also explore the technical aspects of clay and sculptural tools, and discover how pottery can be both decorative and functional.

0806 CERAMICS 2

1 Semester, 1 Credit – Elective 10-12

Prerequisite: students must have completed Ceramics 1.

This course is an advanced studio class that builds on the skills and knowledge developed in Ceramics 1. Advanced projects using hand-building and wheel-throwing techniques, as well as decorating and glazing, will be completed for assessment. Sketchbook/sourcebook documentation or research and design will be required.

0808 CERAMICS 3

1 Semester, 1 Credit – Elective 10-12

Prerequisite: students must have completed Ceramics II and obtain the teacher's signature.

This course is designed for advanced, self-motivated students with a proven interest in ceramics and commitment to the study of art and design. Students will explore advanced hand-building and wheel-thrown techniques and develop an understanding of how to effectively create decorative, functional, sculptural and aesthetically pleasing works of art.

0817 STUDIO ART 2

1 Semester, 1 Credit – Elective 10-12

Prerequisite: students must have completed Drawing & Painting OR Illustration & Sculpture (OR Art Fundamentals or Drawing & Painting 1 taken prior to Fall 2019)

Studio Art 2 is a course for students who are interested in refining and expanding their expertise with a favored medium & subject matter. Students will explore new materials and approaches, both traditional or non-traditional, which may include various types of mixed media, drawing, painting, printmaking, and sculpture. Students will examine artists working within these media, solve more complex design problems, and be encouraged to create exploratory and conceptual art pieces and develop their personal voice. This class is particularly recommended for students who are intent upon submitting an art portfolio for college applications. Students will participate in regular class critiques.

0820 STUDIO ART 3

1 Semester, 1 Credit – Elective 10-12

Prerequisite: MUST have successfully completed at least two semesters of art and obtain the teacher's signature.

Studio Art 3 is for the very advanced, self-motivated student who has demonstrated a strong commitment to the study of art. Teacher-directed studies are offered in areas of specialization such as: drawing, painting, sculpture, mixed media, computer graphics, photography or further developing their areas of interest. Students will have the opportunity to build their portfolios. The process for applying for college art scholarships will also be covered. Students will participate in regular in-class critiques.

0818 COMPUTER GRAPHICS

1 Semester, 1 Credit – Elective 9-12

This course brings students into the world of digital imaging and computer graphics. Course work will be completed on Mac laptops, using digital cameras, scanners and printers. We work with Adobe® software concentrating mainly on Photoshop® and Illustrator®, which have become the benchmark for digital imaging. Students will develop an idea into a design by practicing basic drawing and tracing techniques, create line art, logos, packages and poster design. Learning to use Adobe® Creative Suites is a must for students pursuing careers in marketing, business, journalism, PR work, design, advertising, illustration, web design and video game design. Students will participate in weekly critiques.

0819 COMPUTER GRAPHICS 2

1 Semester, 1 Credit – Elective 10-12

Prerequisite: students must have completed Computer Graphics.

This course is for the very advanced, self-motivated student who has demonstrated a strong commitment to computer graphics and digital imaging. With the continued use of Adobe® software, this course introduces more design aspects beneficial for students pursuing careers in illustration, advertising, fashion design, interior design, web design, photojournalism, journalism, marketing and business. Students will do a semester-long project that solves a problem or need for a real client. Students will also do work that develops and builds upon their own area of interest.

0830 COMPUTER GRAPHICS 3

1 Semester, 1 Credit – Elective 10-12

Prerequisite: students must have completed Computer Graphics 2 and obtain the teacher's signature.

This course is an independent study for the very advanced, self-motivated student who has demonstrated a strong commitment to computer graphics and digital imaging. With the continued use of Adobe® software, this course introduces more design aspects beneficial for students pursuing careers in illustration, advertising, fashion design, interior design, web design, photojournalism, journalism, marketing and business. Students will have the opportunity to complete an internship with the marketing department of a business in the community, or choose an industry that fits their area of interest, and complete an independent study that requires the student to apply their experience,

resourcefulness, and creativity to that industry's design needs. This experience will allow the student to build up a portfolio of work and discover a greater level of power, precision, and control within advertising and design.

0829 PHOTOGRAPHY

1 Semester, 1 Credit – Elective 9-12

Since its origin, photography has served as a significant method of documenting the human experience, as well as, providing a means of artistic expression. This introductory level photography course will cover the history and technical elements of photography, design and composition and operation of a manual digital camera. Students will have the opportunity to participate in project presentations and critiques. It is highly recommended that students have easy and regular access to a digital camera that allows for manual control of exposure, aperture and shutter speed.

0860 PHOTOGRAPHY 2

1 Semester, 1 Credit – Elective 10-12

Prerequisite: students must have completed Photography and obtain the teacher's signature.

This course is designed for students wanting to build on the knowledge gained in Photography. Students should be self-motivated and compelled to understand how to capture powerful images. Students will explore design aspects of photography and learn to use them effectively. A digital camera with manual capabilities is recommended for this course.

ENTREPRENEURIAL

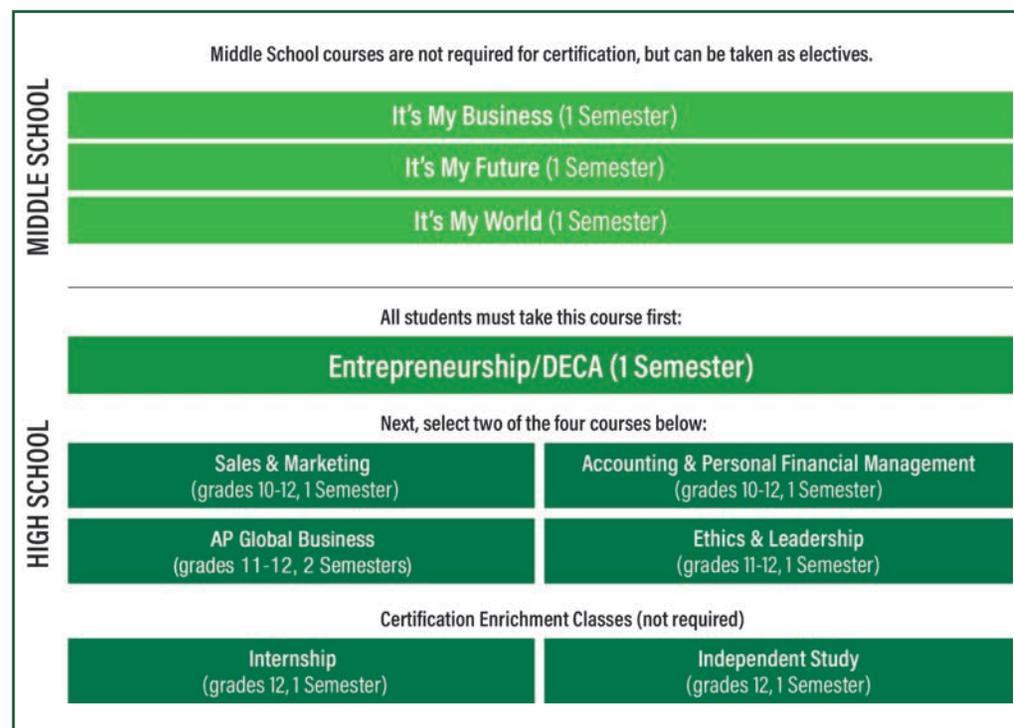
ACADEMY PATHWAY

Hill-Murray School offers a comprehensive Entrepreneurial Academy Certification Pathway giving students the opportunity to gain experience with career exploration, entrepreneurship, marketing, finance, accounting and global business.

This pathway offers courses that will introduce students to advanced business topics, and develop their interpersonal and problem-solving skills by working in collaborative teams.

Our Entrepreneurship Academy Certification Pathway takes it to the next level, and prepares students for the Enterprise Business Internship which will allow students to gain experience in a professional business setting. Completing this pathway will help set students apart from their peers in both college and the workforce at large. See diagram on this page for required courses to complete the certification pathway.

ENTREPRENEURIAL ACADEMY CERTIFICATION PATHWAY



PORTRAIT OF A HILL-MURRAY GRADUATE

RESILIENT

Demonstrates perseverance and grit—to keep going when it gets hard—A PIONEER!

Acts with the courage to navigate the challenges they know are a part of the journey

Develops the muscles of their body, mind, and spirit, which they know only get built by discomfort, mistakes, and the productive struggle inherent to growth

BUSINESS

EDUCATION

0702 ACCOUNTING & PERSONAL FINANCIAL MANAGEMENT*

1 Semester, 1 Credit - Elective in grades 10-12

This class is designed to give students the skills they need to manage their money and to make wise, safe, financial decisions. This class will help students by teaching them practical, personal finance concepts and skills. Budgeting, building a solid credit score, saving, investing and planning for college are all part of the curriculum. Students will also receive a strong foundation in accounting principles. Students will learn about the accounting cycle, accounting transactions, and how to prepare financial statements. Students will become familiar with accounting practices and have a thorough foundation for post-secondary accounting courses.

0703 ENTREPRENEURSHIP/DECA*

1 Semester, 1 Credit - Elective in grades 9-12

Students in this class will learn about developing and managing a small business. Innovative product ideas, independent

businesses, and franchising businesses will all be explored. Marketing plans, promotions, organizational structure and culture, social responsibility, laws and regulations, equipment, and facilities will all be considered and evaluated for a small business. Students will learn how to format and compose a business plan.

0713 SALES & MARKETING*

1 Semester, 1 Credit - Elective in grades 10-12

This course will help students explore components of advertising in the business world, understand marketing and discover how to apply what they learn to both personal and business settings. Steps of the sales process and how to gain customer loyalty will be covered. Students will learn about the marketing mix, promotional strategies, marketing ethics, market research, consumer behavior and other marketing topics. Activities will include: realistic, hands-on assignments and projects. This class will also include guest speakers, as available, giving students a chance to talk to business marketing professionals.

**11th and 12th grade students earning a B or better in this class have the option to receive articulated credits through Century College. Please meet with your counselor if you are interested in articulated credit.*

0718 - A SEM 1 AP/HONORS GLOBAL BUSINESS

0718 - B SEM 2 AP/HONORS GLOBAL BUSINESS

Full Year, 1 Credit each semester, 2 Credits total - Elective in grades 11-12

This Advanced Placement Course will allow students to explore numerous real-world business topics on an international level. Students will develop and utilize 21st-century skills such as collaboration, teamwork, project management and research for multiple projects. China? India? Latin America? Multiply a company's success and impact exponentially by harnessing the opportunities with the U.S. and globally. With 95% of the world's population existing outside of the United States, the need to understand foreign markets and global business issues has increased at a dramatic pace. This global business course will expose students to the complex international environment. *A fee is applied if taking the AP exam in May.*

0740 ETHICS AND LEADERSHIP

*Fulfills a religion requirement**

1 Semester, 1 Credit - Elective/Religion in grades 11-12

Becoming a leader is an intentional process of growth that must be lived out experientially. One must have the will to say "yes" and even "no" to an unending series of tests, large and small, each demanding that

we take one more step toward a definition of who we are. We must be ready to define our values, our character, and our leadership style. For durable, strong leaders, the process will not end. It will become a way of life, not only in business, but within our families, our various communities, and the world.

0730 ENTERPRISE BUSINESS INTERNSHIP

1 Semester, 1 Credit - Elective in grades 12

Qualified students who complete the Entrepreneurial Pathway course track will have the opportunity to apply for an internship. Students will apply their Junior year, and if selected, will leave Hill-Murray for their 7th hour class during one semester of their Senior year. They will work in a structured environment and learn the complexities of a successful business. This internship is modeled after college internships. Students will be expected to complete a resumé and portfolio of current accomplishments.

**Prerequisites: Entrepreneurship/DECA 0703 Plus 2 of the following: Accounting and Personal Finance 0702, Sales and Marketing 0713, AP Global Business 0718, and Ethics and Leadership 0740. A signature of the business education instructor is required.*

0721 ADVANCED BUSINESS CONCEPTS - INDEPENDENT STUDY

1 Semester, 1 Credit - Elective Grades 11-12

This course will focus on real-life marketing and business situations. The student will develop a deeper awareness and analysis of entrepreneurship, marketing, business relations and strategies. Students will analyze current business situations and develop optimal solutions to challenges. Students will complete project(s) in the area of focus chosen.

Prerequisites: Entrepreneurship/DECA 0703 Plus 2 of the following: Accounting and Personal Finance 0702, Sales and Marketing 0713, AP Global Business 0718, and Ethics and Leadership 0740. A signature of business education instructor is required.

0780 CAREER PLANNING 111

1 Semester, 1 Credit - Elective Grades 11-12 (2 SCSU college credits)

This course focuses on exploration of interests, values, abilities, personality, and goals as they relate to educational and career planning. Self assessment, major and career information research, decision-making, workplace trends, resume writing, job searching skills, and career management are all part of the curriculum. *A tuition fee will be charged for University credits.*

PORTRAIT OF A HILL-MURRAY GRADUATE

COMPASSIONATE

Sees the face of Jesus in everyone they meet
- We Welcome All Guests As Christ.

Demonstrates personal courage, empathy,
and uses their voice to help others

Acts with humility and considers how their
actions affect the world around them

ENGLISH

WRITING & LITERATURE

ENGLISH ELECTIVES

0204-A SEM 1 INTRODUCTION TO LITERATURE & COMPOSITION 9

0204-B SEM 2 INTRODUCTION TO LITERATURE & COMPOSITION 9

Full Year, 1 Credit each semester - 2 Credits total

The first year of the high school English program provides a holistic study of literature and the English language. Development of grammar concepts, vocabulary, and essay writing are the major focuses. Literary studies and analysis cover the four major genres of novels, drama, short stories and poetry.

0212-A SEM 1 HONORS INTRO TO LITERATURE & COMPOSITION 9

0212-B SEM 2 HONORS INTRO TO LITERATURE & COMPOSITION 9

Full Year, 1 Credit each semester - 2 Credits total

Prerequisite: Must score 90% or higher on the qualifying exam and summer reading exam and paper.

The first year of the Honors English program provides a rigorous and holistic study of literature and the English language. Development and in-depth study of grammar concepts, vocabulary, and essay writing are the major focuses. Literary studies and analysis cover the four major genres of novels, drama, short stories and poetry. *Note: there is a required summer reading assignment due prior to the beginning of the school year.*

WRITING & LITERATURE

0206-A SEM 1 WORLD LITERATURE & COMPOSITION 10

0206-B SEM 2 WORLD LITERATURE & COMPOSITION 10

Full Year, 1 Credit each semester - 2 Credits total

The second year of high school English builds on foundational literary concepts from freshman year. Literature is drawn from various areas of the world and focuses on concepts such as the hero's journey and the relationship between self and society. Students will also work to develop analytical, argumentative, and synthesis writing skills. In addition, grammar and vocabulary are studied throughout the year.

0214-A SEM 1 HONORS WORLD LITERATURE & COMPOSITION 10

0214-B SEM 2 HONORS WORLD LITERATURE & COMPOSITION 10

Full Year, 1 Credit each semester - 2 Credits total

Prerequisite: Must earn a qualifying score on the exam and fulfill other requirements

The second year of the Honors English program focuses on deepening students' understanding of literary concepts through world literature. Composition is a central component of the course; students will be pushed to break free from the five-paragraph essay and compose more complex literary arguments. In addition, ACT grammar concepts and vocabulary are studied throughout the year. *Note: there is a required summer reading assignment due prior to the beginning of the school year.*

0216-A SEM 1 ENGLISH 11

0216-B SEM 2 ENGLISH 11

1 Semester, 1 Credit

The course focuses primarily on a variety of writing projects and early 20th-century literature, with an emphasis on American Literature. Writing projects consist of smaller pieces such as journaling and poems to larger pieces like narratives and research papers. Literary time periods include the Harlem Renaissance, the Roaring Twenties, World War II, and Post-World War II.

0217-A SEM 1 AP / LANGUAGE & COMPOSITION - AMERICAN LITERATURE 11

0217-B SEM 2 AP / LANGUAGE & COMPOSITION - AMERICAN LITERATURE 11

Full Year, 1 Credit each semester - 2 Credits total

Prerequisite: Current English teacher's recommendation

This rigorous class in composition and American Literature is comprised of six units: Rhetorical analysis, Romanticism/Transcendentalism, Realism/Naturalism, Harlem Renaissance, Modernism/Lost Generation, Drama/Poetry. All periods are studied intensively and include college-level texts and advanced non-fiction readings. Students in this course have an opportunity to take the National Language and Composition Advanced Placement exam in the Spring.

A fee is applied if taking the AP exam in May.

Note: There is a required summer reading assignment due prior to the beginning of the school year.

Students in grade 12 must take 1 semester of Writing and 1 semester of Literature.

11th Grade: Advanced Writing 11 and 1 Literature (see following choices)

12th Grade: College Bound Writing 12 and 1 Literature (see following choices)

0246 HISTORICAL FICTION 12

1 Semester, 1 Credit

Students will read a variety of novels, short stories, plays, essays, and poetry from different time periods and historical contexts. We will examine characterization, voice, historical accuracy, theme, point of view, and a variety of literary techniques.

0224 CLASSIC LITERATURE 12

1 Semester, 1 Credit

Students will examine a series of American and British authors and their works in a historical context. Students will examine a variety of literature that is considered classic. This course will equip students with the knowledge of the foundation of great literature and discover how American Literature and British Literature developed.

0245 NON-FICTION 12

1 Semester, 1 Credit

The foundation of this course is reading non-fiction and thinking about some of the more profound questions in life: how can other perspectives broaden my own? What is my purpose, and how do I find it? This class covers non-fiction in the areas of memoirs from diverse backgrounds, self-help texts, and historical essays. Students will analyze text for themes and contemporary relevance, discuss meanings and implications with their peers, and express their findings both formally and informally.

ENGLISH ELECTIVES

0248 COLLEGE BOUND WRITING 12

1 Semester, 1 Credit

Writing in this course will focus on college applications, research, analysis, and a variety of other genres to meet different purposes and audiences. Students will practice organizing written thought, analyzing text critically, and drafting processes. In addition to self-directed learning, students will also collaborate with others via group assessments, discussion, and peer review.

0219-A SEM 1 AP / LITERATURE & COMPOSITION 12

0219-B SEM 2 AP / LITERATURE & COMPOSITION 12

Full year, 1 Credit each semester - 2 Credits Total

Prerequisite: Current teacher's recommendation

Students may take the course for dual enrollment (PACC) credit through St. Mary's University of Minnesota and/or AP credit. Separate fees are applied for each option.

Students gain exposure to works of fiction, poetry, and drama, and acquire experience in careful reading, interpretation, and critical analysis of literary texts (verbal and written) from various genres and time periods. Students not only read but also actively engage with literary texts, and in the process become familiar with literary conventions and discourse. Other forms of writing, such as college application and personal essays, are also an integral component of the course. The coursework will prepare students for the AP Literature and Composition exam, which may be taken in the Spring. *A fee is applied if taking the AP exam in May. Note: There is a required summer reading assignment due prior to the beginning of the school year.*

The following elective courses do not fulfill an English requirement for graduation.

0220 CIS INTRODUCTION TO PUBLIC SPEAKING

1 Semester, 1 Credit - Elective Grades 11-12

Prerequisite: Current English teacher's recommendation

This collegiate-level course offered through the University of Minnesota is designed to teach students basic and advanced public speaking skills. The course helps students develop an understanding of the basic principles of oral communication, with a

focus on improving skills in researching, writing, and organizing effective presentations that are appropriate to particular audiences. Students will develop, improve, and gain confidence in basic delivery skills. Students will also learn to critically evaluate speeches and develop an awareness of, and appreciation for, the responsibilities of ethical communication. All students who successfully complete this course with a qualifying grade will receive college credit through the U of M. *A tuition fee will be charged for the U of M credits.*

0222 CREATIVE WRITING

1 Semester, 1 Credit - Elective Grades 10-12

Prerequisite: Current English teacher's recommendation.

Creative Writing focuses on the writing and creative processes: pre-writing/brainstorming, drafting, and editing/ revising. Although the final product is important, emphasis is also placed on how writers arrive at the final product. Large group discussions on topics such as: plot, conflict, voice, language usage, and audience, as well as large group editing of students' works are important in this class. Required assignments include: short stories, autobiography, poetry and plays. Students who are seriously committed to improving their writing and who possess creativity and self-discipline are encouraged to apply for this course.

0232 YEARBOOK

1 Semester, 1 Credit - Elective Grades 9-12

Prerequisite: Current English teacher's recommendation and approval of yearbook advisor

Students in this course will study and implement basic journalism principles including: writing, reporting, photography, composition, layout and design using current industry desktop publishing software. Students registering for this class will serve as part of the yearbook staff and will gain practical experience as coursework will be used for publication in The Omega.

0234 FILM & MEDIA STUDIES

1 Semester, 1 Credit - Elective Grades 10-12

In this introductory course, students gain a critical understanding of the power and intent of visual media. Film as art, cinematic elements and vocabulary, the history of film and its impact on the American culture are some of the areas included. Students will have the opportunity to create original shorts by applying hands-on cinematic techniques and editing skills.

0236 SPORTS JOURNALISM

1 Semester, 1 Credit - Elective Grades 10-12

Enter the fast-paced world of sports journalism in this brand new course. Topics covered will include everything from writing game stories to producing profiles. You will work with coaches, Hill-Murray athletes, and even our marketing department. Help pioneer this new course offering and learn what it takes to be a 21st-century sports writer.

HILL-MURRAY SCHOOL

GET INVOLVED

OPPORTUNITIES

MATHEMATICS

0319-A (SEM 1) ALGEBRA HS 0319-B (SEM 2) ALGEBRA HS

Full Year, 1 Credit each semester -
2 Credits total - Prerequisite:
Pre-Algebra

The focus of this course is linear functions and applications of algebraic techniques in various situations. It is designed for the HS student who needs additional support representing situations and solving problems with algebraic expressions, equations, and inequalities.

0307-A SEM 1 INTERMEDIATE ALGEBRA

0307-B SEM 2 INTERMEDIATE ALGEBRA

Full Year, 1 Credit each semester - 2 Credits total - Prerequisite: MS Algebra

This course is a continuation of MS Algebra. The focus will be on quadratic functions, exponential functions, and will include data analysis and probability.

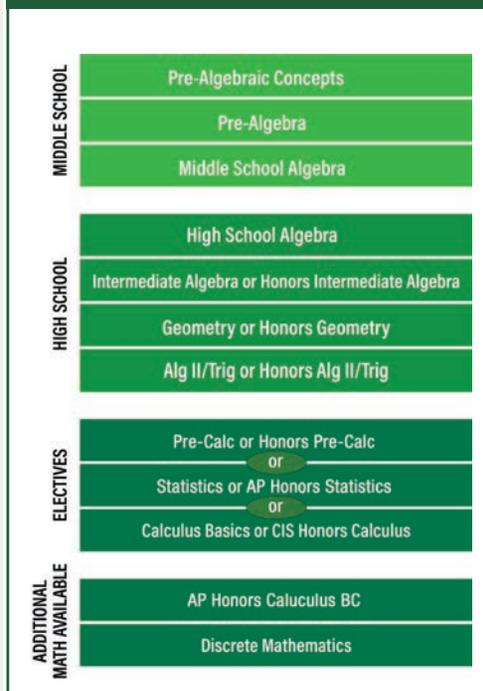
0308-A SEM 1 HONORS INTERMEDIATE ALGEBRA

0308-B SEM 2 HONORS INTERMEDIATE ALGEBRA

Full Year, 1 Credit each semester - 2 Credits total -
Prerequisite: MS Algebra and approval of Math Dept.

This course is a continuation of MS Algebra. The focus will be on quadratic functions, exponential functions, and will include data analysis and probability. This course has more rigor than Intermediate Algebra, moves at a faster pace, and includes more topics.

MATHEMATICS COURSE OFFERINGS



0312-A SEM 1 GEOMETRY

0312-B SEM 2 GEOMETRY

Full Year, 1 Credit each semester - 2 Credits total

This course covers basic Euclidean geometry. The focus will be reasoning and proof. Topics include: triangle properties, right triangle trigonometry, polygons, circles, and solids.

0314-A SEM 1 HONORS GEOMETRY

0314-B SEM 2 HONORS GEOMETRY

Full Year, 1 Credit each semester - 2 Credits total - Prerequisite: Honors Intermediate Algebra or approval of the Math Dept.

This course covers basic Euclidean Geometry. The focus will be reasoning and proof. Topics include: triangle properties, right triangle trigonometry, polygons, circles, and solids. This course has more rigor than Geometry, moves at a faster pace, and includes more topics.

0318-A SEM 1 ALGEBRA II

0318-B SEM 2 ALGEBRA II

Full Year, 1 Credit each semester - 2 Credits total Prerequisite: Geometry

This course builds on students' intermediate Algebra skills. Topics include radicals, quadratics, families of functions, polynomials, sequence and series, probability and statistics.

0336-A SEM 1 HONORS ALGEBRA II

0336-B SEM 2 HONORS ALGEBRA II

Full Year, 1 Credit each semester - 2 Credits total - Prerequisite: approval of Math Dept.

This course builds on students' intermediate Algebra skills. Topics include radicals, quadratics, families of functions, polynomials, sequence and series, probability and statistics. This course has more rigor than Algebra II, moves at a faster pace, and includes more topics.

0334-A SEM 1 PRE-CALCULUS

0334-B SEM 2 PRE-CALCULUS

Full Year, 1 Credit each semester - 2 Credits total - Prerequisite: approval of Math Dept.

This course extends students' previous learning of algebra, analytic geometry and trigonometry in preparation for calculus. It includes a balance between theory and application.

0333-A SEM 1 HONORS PRE-CALCULUS**0333-B SEM 2 HONORS PRE-CALCULUS**

Full Year, 1 Credit each semester - 2 Credits total - Prerequisite: approval of Math Dept.

This course extends students' previous learning of algebra, analytic geometry and trigonometry in preparation for calculus. It includes a balance between theory and application. This course has more rigor than Pre-Calculus, moves at a faster pace, and includes more topics.

0338-A SEM 1 CALCULUS BASICS**0338-B SEM 2 CALCULUS BASICS**

Full Year, 1 Credit each semester - 2 Credits total -

Prerequisite: Pre-Calculus and teacher recommendation

This course introduces many topics that will help students to gain exposure to Calculus concepts. Topics include: limits, derivatives, and use of Calculus in the real world. *Graphing calculator is required.*

0328-A SEM 1 CIS HONORS CALCULUS**0328-B SEM 2 CIS HONORS CALCULUS**

Full Year, 1 Credit each semester - 2 Credits total - Prerequisite: B in Hon. Pre-Calculus or an A in Advanced - Pre-Calculus or approval of Math Dept

This course is a College in the Schools (CIS) course in Calculus I through the University of Minnesota. Topics include differentiation of single variable functions and basics of integration of single variable functions. Applications include: max/min, related rates, area and curve sketching and emphasizes the use of calculator and cooperative learning. *Graphing calculator is required.* Upon completion of this course, a student will receive 4 college credits. *A tuition fee will be charged for the U of M credits.*

0330-A SEM 1 INTRODUCTION TO STATISTICS & PROBABILITY**0330-B SEM 2 INTRODUCTION TO STATISTICS & PROBABILITY**

Full Year, 1 Credit each semester - 2 Credits total - Prerequisite: approval of Math Dept

This course is an introduction to elementary statistics and probability. Students will gain an understanding of the ways in which the methods and theories of statistics are used in organizing, analyzing and interpreting data. *The TI83/84 PLUS graphing calculator is required.*

0332-A SEM 1 AP / HONORS STATISTICS & PROBABILITY**0332-B SEM 2 AP / HONORS STATISTICS & PROBABILITY**

Full Year, 1 Credit each semester - 2 Credits total - Prerequisite: B or better on the final exam for Advanced Algebra II and a B or better in Advanced Algebra II or higher level math class, or teacher recommendation.

This Advanced Placement course is an excellent option for students who wish to complete studies equivalent to a one semester, introductory, non-calculus-based college level statistics course. The AP course will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. *A graphing calculator with statistical capabilities such as the TI-83/84 is required. Students who successfully complete the course and AP exam may receive college credit, advanced placement, or both. A fee is applied if taking the AP exam in May.*

0329-A (SEM 1) AP HONORS CALCULUS BC**0329-B (SEM 2) AP HONORS CALCULUS BC**

Full Year, 1 Credit each semester - 2 Credits total - Prerequisite: C or better in CIS Honors Calculus

AP Calculus BC is a college-level course. An understanding of differential and integral calculus is cultivated through engaging with real-world problems represented graphically, numerically, analytically, and verbally. Students use definitions and theorems to build arguments and justify conclusions as they explore concepts such as change, limits, and analyze functions. *Students who successfully complete the course and AP exam in May may receive college credit, advanced placement, or both. A fee is applied if taking the AP exam in May.*

MUSIC

0832-A SEM 1 VIVACE (HIGH SCHOOL MIXED ENSEMBLE)

0832-B SEM 2 VIVACE (HIGH SCHOOL MIXED ENSEMBLE)

1 Semester or Full year, 1 Credit each semester - 2 Credits total - Elective Grades 9-12

This performing ensemble is designed for the High School vocal student. Students will develop advanced performance skills through performance practice and by incorporating a range of musical concepts, musical styles, and choral elements. This choral group will perform several concerts throughout the year including area music festivals and contests. Attendance at all performances is required.

0833-A SEM 1 HONORS VIVACE (HIGH SCHOOL MIXED ENSEMBLE)

0833-B SEM 2 HONORS VIVACE (HIGH SCHOOL MIXED ENSEMBLE)

1 Semester or Full year, 1 Credit each semester - 2 Credits total - Elective Grades 11-12

Teacher's signature required

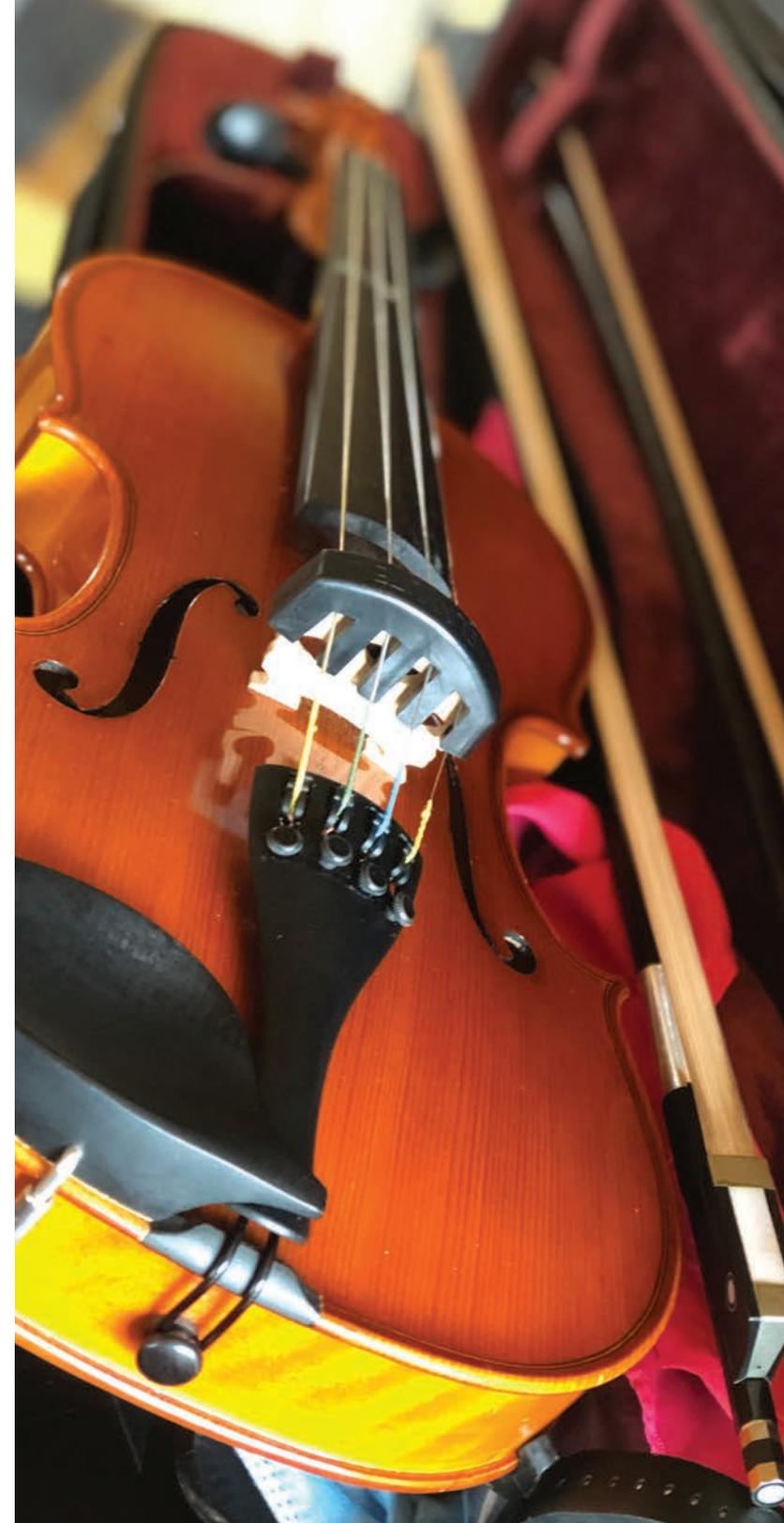
Motivated and capable junior and senior Choral Music students may register for this course pending teacher approval. Students will collaborate with the instructor to develop vocal technique and a leadership role in the choir. This performing ensemble is open to students in grades 11-12 and stresses the fundamentals of music literacy and development. Rehearsals and sectionals stress the development of sound, technique and proficiency, as well as, core musical concepts relative to large ensemble performance. A teacher signature is required to take this honors class.

0828-A SEM 1 CONCERT BAND

0828-B SEM 2 CONCERT BAND

1 Semester or Full year 1 Credit each semester - 2 Credits total - Elective Grades 9-10

This ensemble performs medium to advanced works. Musical concepts will be discussed as presented in the many different styles of music performed. No audition is required. The Concert Band performs several concerts throughout the year. Attendance at all performances is a requirement and most performances happen outside the school day. Students enrolled in this course will be part of the Hill-Murray Marching Band and Pep Band. Marching and Pep Band rehearsals will take place during the class period. Prior playing experience is not necessary and we accept beginners.



0836-A SEM 1 SYMPHONIC BAND**0836-B SEM 2 SYMPHONIC BAND**

Full year, 1 Credit each semester -

2 Credits total - Elective Grades 11-12

This ensemble performs advanced to college level works. Advanced musical concepts will be discussed in relation to the many different styles of music performed. The Symphonic Band performs several concerts throughout the year, including area music festivals and competitions. Most performances happen outside the school day. Attendance at all performances is required. Students approved for this ensemble will be part of the Hill-Murray Marching Band and Pep Band. Marching and Pep Band rehearsals will take place during the class period.

0837-A SEM 1 CIS CONCERT BAND**0837-B SEM 2 CIS CONCERT BAND**

1 semester or Full year

1 Credits each semester - 2 credits total - Elective Grade 10

Students are taking a rigorous performance course that meets college level criteria. Students must be a registered member of the Concert Band or Symphonic band. Students must be in grade 10 with a B+ or above in their previous band course. We will look at any transfer students on a case by case basis. Students must attend all performances for their assigned athletic band and all concerts (illness withstanding), reserve the time for our performances, be willing to tutor our younger students by helping them with parts, making practice tracks, and/or serving in a leadership position in our program. CIS Students are required to participate in the MSHSL solo/ensemble contest and be a musical leader in our program. There is an adjusted fee for the CIS credit not to exceed \$300.

0872-A SEM 1 CIS SYMPHONIC BAND**0872-B SEM 2 CIS SYMPHONIC BAND**

1 semester or Full year

1 Credits each semester - 2 credits total -

Elective Grade 11-12

Students are taking a rigorous performance course that meets college level criteria. Students must be a registered member of the Concert Band or Symphonic band. Students must be in grade 11 or 12 with a B+ or above in their previous band course. We will look at any transfer students on a case by case basis. Students must attend all performances for their assigned athletic band and all concerts (illness withstanding), reserve the time for our performances, be willing to tutor our younger students by helping them with parts, making practice tracks, and/or serving in a leadership position in our program. CIS Students are required to participate in the MSHSL solo/ensemble contest and MSHSL Large Group Contest and be a musical leader in our program. There is an adjusted fee for the CIS credit not to exceed \$300.

0838 AP MUSIC THEORY

1 Semester, 1 Credit Elective Grades 11-12

Prerequisite: Ability to read and understand music at an intermediate level. A teacher's signature is required.

This course is designed to develop a student's ability to recognize, understand and describe the materials and processes of music. The course will focus on musical terminology, including hearing and notating pitches, intervals, scales, keys and chords.

We will also focus on music organization and patterns. Building on this foundation, the course will progress to include more sophisticated and creative tasks such as:

melodic and harmonic dictation, composition of a bass line for a given melody, implying appropriate harmony, realization of a figured bass, realization of a Roman numeral progression, and analysis of repertoire. Students will be offered the opportunity to take the Advanced Placement Examination in Music Theory, offered in May. *A fee is applied if taking the AP exam in May.*

0840-A SEM 1 PIONEER ORCHESTRA**0840-B SEM 2 PIONEER ORCHESTRA**

1 Semester or Full year, 1 Credit each semester -

2 Credits total - Elective Grades 9-12

This ensemble performs medium to advanced works. Musical concepts will be discussed as presented in many different styles of music performed. Full group rehearsals are augmented by sectionals, individual assignments, as well as, periodic written work. All string students in grades 9-12 are accepted; no audition is required. Attendance at all performances is a requirement of the course.



PHYSICAL EDUCATION

HEALTH & WELL-BEING

The Health curriculum for 9th grade provides students with opportunities to explore their own wellness, which includes areas of physical, mental, and social well-being. Students will assess their own risk factors and risk behaviors, evaluate their stress levels and stress management techniques, gain a better understanding of mental illness, and practice decision making and goal setting strategies for a variety of health-related situations. They will learn to apply life-saving skills, such as recognizing the warning signs of suicide and performing hands-only CPR and AED. Daily Journals will help students to practice values clarification

and critical thinking.

If students wish to pursue further health-related coursework, they have the opportunity to become certified through the American Red Cross in adult and pediatric first aid, CPR, and AED by completing the Standard First Aid course during their sophomore, junior, or senior year. There is also a course designed specifically for junior and senior young women, which uses a holistic approach to help them shape their personal health and well-being through meditation, relaxation, light physical activity, personal reflection, and goal-setting.

0019 HEALTH 9

1 Semester, 1 Credit Required for grade 9

This course enables students to explore a variety of topics related to personal and public health in order to develop a better understanding of how hereditary, environmental and behavioral risk factors may affect their overall health and future well-being. Units will include: stress, mental health and mental disorders, chemical use and abuse, nutrition and fitness, infectious and non-infectious diseases, disabilities, human sexuality and related topics.

0003 PHYSICAL EDUCATION 9

1 Semester, 1 Credit Required for grade 9

This is the basic Physical Education course for freshmen and the minimum requirement for all students. The basics of life sports will be covered: yoga, fitness, tennis, badminton, pickleball, dance, archery, ping pong, rollerskating, plus team sports such as speedball, softball, floor hockey, team handball, volleyball, soccer, lacrosse and basketball are possible activities that will be covered. This course emphasizes Cross Training movements and skill development.

0026 FITNESS FOR LIFE

1 Semester, 1 Credit - Elective in grades 10-12

This co-educational course is designed to incorporate the newest innovations in fitness. Fitness techniques involving balance, core, flexibility, resistance, yoga, pilates and relaxation will be emphasized through aerobic and anaerobic activities. Improve your physical and mental fitness level with this fitness-based class. One day per week is dedicated to the study of fitness philosophies, as well as, self-analysis of the student's own fitness level. Depending on enrollment, this class may run as girls only or boys only.

0032 HEALTH, WELL-BEING, & STRESS MANAGEMENT

*1 semester, 1 Credit - Elective in grades 11-12;
woman only*

Research indicates that when we improve our well-being, our performance and engagement will increase – even as students! This course is designed for junior and senior young women who are interested in how to shape their own personal health and well-being utilizing a holistic (mind, body, spirit) approach. Explore the foundations of health (sleep, physical activity, nutrition, relationships), understand the stress and relaxation response, learn tools and strategies to manage stress, cultivate mental and emotional health, and learn a few key ideas from neuroscience. Students will reflect on their own habits, set goals, and develop a well-being vision. This class requires active participation and is experiential: 1½ days a week will be spent practicing light physical activities such as yoga and walking. Prepare for self-reflection (technology-free) to enhance self-awareness for college and beyond.

0028 ADVANCED PHYSICAL EDUCATION

1 Semester, 1 Credit - Elective in grades 11-12

This course is designed as an activity class for juniors and seniors who find Physical Education enjoyable and rewarding. It is designed to meet the needs of the student as an outlet for physical activity through a structured course of activities, primarily in the area of life sports. Students are allowed to take this class multiple times. Depending on enrollment, this class may run as girls only or boys only.

0029-A SEM 1 INDIVIDUALIZED WEIGHT TRAINING I, II, III, IV

0029-B SEM 2 INDIVIDUALIZED WEIGHT TRAINING I, II, III, IV
1 Semester, 1 Credit - Elective in grades 10-12

This course is designed for students who want to progress from beginner status to advanced status in weight training. With the guidance of the instructor, each student will develop an individualized training routine. Students may enter this course with little or no background in weights or with extensive training and the desire to work on an independent basis. Training is individually designed to meet the needs of all students. Fundamental instruction is provided with the ultimate goal of each student developing and implementing a strength program designed to meet his/her goals. Students will be exposed to a variety of modern training strategies including the use of heavy ropes, kettlebells and resistance bands. This course is open to boys and girls and may be taken up to four times.

0016 STANDARD FIRST AID-CPR AED

1 Semester, 1 Credit - Elective in grades 10-12

The course will involve instruction in basic first aid techniques and performance of cardio-pulmonary resuscitation and proper use of AED. Upon completion of this course, students will be certified in adult, infant and child CPR and community first aid through the American Red Cross.



Will You Answer the Call to Serve?

Being a part of a spiritual community gives students the opportunity to explore and expand their relationship with God in all aspects of their lives, every day.

GROUNDING IN FAITH Guided by our Benedictine and Lasallian values, we believe faith is defined not only by what we believe, but also by what we do. No matter their background, students are encouraged to use their gifts in service to their community and their world, deepening their faith by working to ensure all people are treated with dignity, respect and compassion.

CATHOLIC IDENTITY The bedrock of our community is our shared faith. Our vision and values as a Catholic organization are rooted in the traditions of our founders, the Benedictine Sisters, guided by the Rule of St. Benedict, and the Christian Brothers, founded by St. John Baptist De La Salle.

THEOLOGY CURRICULUM Supported by a combination of academic rigor and spiritual experiences, our curriculum spans every grade. Grounded in the teachings of the Catholic faith, students learn to expand their hearts while engaging their mind. Theology faculty meet students where they are and support them as they learn and grow in their faith.

COMMUNITY SERVICE Live your faith through your works by serving people in need, assisting in a parish or pitching in at school events. Altogether, Hill-Murray students complete more than 3,000 service hours every year, following the example of Christ to love and embrace the world by sharing ourselves with the people in it.

THEOLOGY

0102-A SEM 1 THEOLOGY 9: THE BIBLE

0102-B SEM 2 THEOLOGY 9: JESUS

Full Year, 1 Credit each semester - 2 Credits total - Required for grade 9

The Bible The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Students will learn how to read the Bible and become familiar with the major sections and themes of Scripture. Through their study of the Bible, students will come to encounter the Living Word of God. In this course, they will learn about the Bible and the people of faith throughout our history, culminating in the person and story of Jesus the Christ.

Jesus From the inspiration of Sacred Scripture to present day, the mystery of Christ is continually being revealed. The purpose of this course is to introduce the students to Jesus, the Living Word of God, and the progression of the story of Christ. In this course, students will gain a deeper understanding of who Jesus is and who He invites them to be.

0103-A SEM 1 THEOLOGY 10: PASCHAL MYSTERY

0103-B SEM 2 THEOLOGY 10: THE CHURCH

Full Year, 1 Credit each semester - 2 Credits total - Required for grade 10

Paschal Mystery

This course continues to explore the ministry and mission of Jesus and challenges students to make choices consistent with Christian discipleship. Sources studied include: Sacred Scripture, early church writings, the documents of Vatican II, and the Catechism of the Catholic Church. Topics include: Jesus the Messiah, salvation history, and the Paschal Mystery.

The Church

This course examines various ways to understand and live out the mission of the Church today. Scripture, traditional scholarly sources, and the works of contemporary theologians will be utilized in this class. Topics include: the marks, morality, and prayer life of the Church.

INTRODUCTION TO CATHOLICISM

Approval required from Guidance Counselor

This course introduces Catholicism to non-Christian students and/or those with limited proficiency with English theological language. Students will learn about the God of the Hebrew and Christian Scriptures, the importance of Jesus and the birth of Christianity, and the practice of Catholicism. This course is meant to prepare a student for an understanding of a Catholic school's culture, and of any future religion courses they will take at Hill-Murray.

JUNIOR THEOLOGY STUDIES

Juniors are required to take two credits of Theology Studies. Liturgy and Sacraments for one semester and then can choose between two electives, listed below.

0124 LITURGY AND SACRAMENTS 11 *1 Semester, 1 Credit - Required in grade 11*

This class focuses on introducing students to the Catholic Liturgy and allows students to explore the meaning behind the seven Sacraments. There is an emphasis on Sacramental theology, as well as, discovering the history, principles and effects of the Sacraments as aids to Salvation. Through dialogue, readings, projects and research, students will come to understand the communal sense of participation in the Sacraments. Students will also be aware of the Liturgical seasons, roles of the assembly, various ministries, development of worship and different types of prayer found within the Catholic Church.

0120 ECUMENISM AND WORLD RELIGIONS *1 Semester, 1 Credit - Elective in grade 11*

The course will cover similarities and differences between Eastern Orthodox, Protestant, and Evangelical Churches with the Catholic Church. The Catholic approach to ecumenism and the accomplishments of modern ecumenical dialogue will be examined. The course will also focus on interreligious dialogue between the Catholic Church with Native American, Jewish, Muslim, and Buddhist beliefs.

0122 SPIRITUAL AWAKENING *1 Semester, 1 Credit, Elective in grade 11*

The goal of this class is to invite students to explore what it means to engage in their faith so as to make a difference in their lives, as well as the lives of their community. We will intensely explore the topics of happiness, spiritual development and pain/suffering. This is a practical class with many applications that students can put into practice immediately, if they so choose. Students should come with a willingness to look at their lives, their values, their choices and especially their spiritual development.

SENIOR THEOLOGY STUDIES

Seniors are required to take two credits of Theology Studies. Personal Ethics and Justice for one semester and then can choose between three electives, listed below.

0114 PERSONAL ETHICS & SOCIAL JUSTICE 12 *1 Semester, 1 Credit - Required in grade 12*

This course explores what it means to be a Christian in the world today living as a disciple of Christ. Personal ethics and social justice will be studied in the light of the primacy of personal conscience and Catholic Social Teachings. Students will examine moral development and study moral concepts in the Catholic tradition. Students will also investigate significant contemporary justice issues through social analysis. Topics include: protecting human life, promoting economic justice, pursuing peace, and caring for creation.

0104 MARTYRS, MYSTICS, MURDERS - THE HISTORY OF THE CHURCH *1 Semester, 1 Credit - Elective in grade 12*

Want to know the story of Bloody Mary? How about Charles "The Hammer" Martel or Guy Fawkes? How did the Catholic Church and an Olympic biker help thousands of Jews escape Europe during World War Two? Explore these and many more topics in the exciting, at times gory, and entertaining history of the Catholic Church!

0110 HONORS INTRODUCTION TO THEOLOGY

*1 Semester, 1 Credit, opt. PACC through St. Mary's University
Prerequisites: Minimum GPA of 3.0; recommendation of your English instructor in junior year; permission of Introduction to Theology instructor. Elective in grade 12 only.*

This course is an honors level senior elective that provides an overview of the fundamental theological themes covered in an undergraduate college-level introduction to theology course. Students who take this course at Hill-Murray may also be eligible for 3 college credits through the Program for Advanced College Credit (PACC) TH260: Foundations in Catholic Theology sponsored by Saint Mary's University of Minnesota.

0112 CHRISTIAN SERVICE LEARNING

*1 Semester, 1 Credit – Prerequisite: permission of CSL instructor.
Elective in grade 12.*

This course focuses on the value of community service and Servant Leadership. Students are able to recognize the impact service has on their Christian faith. Students are guided through a process to discern their gifts and talents and are provided placement in the community to offer service. (local elementary schools and elderly care centers) Each student will be given a service placement where they're required to do 45 minutes of service while at their specific site. This course meets over the lunch hour and students serve at their placement three to four times a week. Students will have days in which they'll meet with their whole class; reflecting upon their service and sharing their experiences. Students are responsible in finding transportation to their site each day.



SCIENCE

0540-A SEM 1 EARTH SCIENCE AND ENGINEERING 9TH

0540-B SEM 2 EARTH SCIENCE AND ENGINEERING 9TH

Full Year, 1 Credit each semester - 2 Credits total – Required for grade 9

In this course, students will use techniques from Science and Engineering to explore earth's systems and processes, human impact and sustainability in earth's systems, earth's place in the universe, and weather and climate. Students will engage in authentic investigations and inquiry activities, where they will build models, construct explanations, and argue from evidence. They will also tackle real-world problems that they will solve using the principles of engineering design.

0542-A SEM 1 HONORS EARTH SCIENCE AND ENGINEERING 9TH

0542-B SEM 2 HONORS EARTH SCIENCE AND ENGINEERING 9TH

Full Year, 1 Credit each semester - 2 Credits total – Required for grade 9

Honors Science and Engineering is designed for students who have high ability and interest in the sciences. Emphasis is placed on student initiative and self-motivation as the students explore earth science and engineering. Students will do this through labs and investigations, inquiry activities, models, constructing explanations and designing solutions, and arguing from evidence. Topics include: earth's systems and processes, human impacts and sustainability in earth's systems, earth's place in the universe, and weather and climate.

0506-A SEM 1 BIOLOGY**0506-B SEM 2 BIOLOGY**

Full Year, 1 Credit each semester - 2 Credits total - Required for grade 10

This full-year course introduces students to a wide variety of biological sciences. The focus of the course is to convey the meaning, scope, and excitement of biology and to discuss how it relates to the student's life and interests. Topics include: scientific method, ecology, chemistry of life, cell anatomy and physiology, cell division, genetics, DNA, protein synthesis, evolution and animal systems. Students will gain information through discussions, laboratories, lectures, textbooks, readings, videos, computer programs, projects, and dissections.

0508-A SEM 1 HONORS BIOLOGY**0508-B SEM 2 HONORS BIOLOGY**

Full Year, 1 Credit each semester - 2 Credits total -; Elective 10 - Prerequisites: Successful completion of 9th grade science..

Honors Biology is a course designed for students who have high ability and interest in the sciences. Emphasis is placed on initiative and self-motivation as branches of biology are explored through laboratories, discussions, and projects. Special projects include: researching and presenting environmental issues, building a cell model and DNA model, writing a paper on a fetal pig dissection, discussing current science events and bioethical issues, drawing and analyzing family pedigrees and performing comparative anatomy/physiology dissections.

0510-A SEM 1 ANATOMY & PHYSIOLOGY**0510-B SEM 2 ANATOMY & PHYSIOLOGY**

Full Year, 1 Credit each semester - 2 Credits total Elective in grades 11-12 - Prerequisites: C- or better in both semesters of science class and recommendation of current science teacher. Final selection/registration will be completed in early June.

Advanced Anatomy and Physiology is a course designed for students who have an interest in exploring the human body systems in-depth. The structure and function of each of the 12 body systems will be explored through lecture, labs, and discussions. Diseases affecting the homeostasis of systems will also be explored. Hands-on experimenting, including several dissections, are required for successful completion of the course.

0509-A SEM 1 CIS / HONORS ANATOMY & PHYSIOLOGY**0509-B SEM 2 CIS / HONORS ANATOMY & PHYSIOLOGY**

Full Year, 1 Credit each semester - 2 Credits total - Elective in grades 11-12 - Prerequisites: Recommendation by Science Department and meets the CIS criteria of successfully completing a rigorous science course. Final selection/registration will be completed in early June.

BIOL 1015 Human Physiology, Technology, and Medical Devices is a freshman-level life-science course that is organized around the core principles of human physiology. This course consists of a classroom component in which students will participate in learning activities, discussion, quizzes, and tests, and a laboratory component where students will conduct investigations, conduct research, and participate in dissections and hands-on activities. Pair and group work, discussion, analytical thinking, and writing

are important components of the course. BIOL 1015 surveys the main organ systems of the human body, placing some emphasis on their relationships to normal and abnormal health. Students will learn to identify and locate many anatomical structures and understand how each functions, individually and in cooperation with others, to maintain homeostasis within the human body. Students will learn how medical technologies have transformed medical culture by allowing healthcare professionals to "see inside the box" and thus better comprehend health, disease, and treatments. Upon completion (and registration at the U of MN) the student will receive 4 semester college credits from the U of MN-Twin Cities. *A tuition fee will be charged for the U of M credits.*

0512-A SEM 1 CHEMISTRY**0512-B SEM 2 CHEMISTRY**

Full Year, 1 Credit each semester - 2 Credits total Elective in grades 11-12 - Prerequisite: Enrollment in or successful completion of Algebra 2.

Chemistry is a college preparatory course that provides a solid foundation in the study of matter and its changes. It includes topics in the structure of matter, atomic theory, chemical bonding and behavior, chemical reactions, stoichiometry, calorimetry, phases and phase changes, solutions and equilibrium, and acids and bases. Hands-on activities are used to introduce and/or clarify topics. Laboratory techniques are used to obtain, organize, and analyze data that are used to help demonstrate chemical principles. Conclusions are developed using both qualitative and quantitative procedures. Good math skills are important.

0514-A SEM 1 HONORS CHEMISTRY**0514-B SEM 2 HONORS CHEMISTRY**

Full Year, 1 Credit each semester - 2 Credits total - Elective in grades 11-12 Prerequisites: Successful completion of 10th grade science, recommendation by Science Department, and enrolled in or successful completion of Algebra 2 or Honors Pre-Calculus – Final selection/registration will be completed in early-June.

Honors Chemistry is a course designed for motivated students who have high ability and interest in the sciences. This college preparatory course provides a solid foundation in the study of matter and its changes. Honors Chemistry includes the following topics: elements, periodic table, chemical bonding, math for chemistry, phases of matter, the mole, chemical reactions, thermodynamics, kinetics and equilibrium, solutions, acids and bases, and electrochemistry. Honors Chemistry covers more topics in greater depth than Chemistry, resulting in a rigorous and challenging course. Strong algebraic math skills are important. A commitment to the established course syllabus is essential so class time can be used for discussion of topics, problem sets, receiving individual help, and experimenting in the laboratory.

0518-A SEM 1 PHYSICS**0518-B SEM 2 PHYSICS**

Full Year, 1 Credit each semester - 2 Credits total - Elective in grades 11-12 – Prerequisite: Successful completion of Algebra 2.

In this full year course, students explore concepts of physics using a qualitative and quantitative approach. Emphasis is placed on laboratory investigations that relate physics to everyday life and problem solving. Topics include: kinematics and dynamics of motion, electricity, magnetism, waves and light. This course is designed for any student interested in science who has completed the basics of trigonometry.

0520-A SEM 1 CIS / HONORS PHYSICS**0520-B SEM 2 CIS / HONORS PHYSICS**

Full Year, 1 Credit each semester - 2 Credits total - Elective in grades 11-12 Prerequisites: Recommendation of math and science teachers and successful completion of Honors Algebra 2 or Honors Pre-Calculus; CIS requires that the student be in the top 20% approximately. Final selection/registration will be completed in early-June.

This full year college course, Physics 1101, follows the U of M curriculum and requirements. Upon completion (and registration at the U of M) the student will receive 4 semester Physics credits from the U of MN. This course is designed for students who have a strong mathematical background including trigonometry. Emphasis is placed on laboratory

investigations, problem-solving, and abstract reasoning. CIS Physics 1101 covers mechanics, which is the kinematics and dynamics of motion. As time allows additional topics may include: electricity, magnetism, waves and/or light.

This course is designed for students who have a high science interest, and are planning careers in science or engineering. *A tuition fee will be charged for the U of M credits.*

**0530-A ENVIRONMENTAL SCIENCE I:
THE SCIENCE OF THE ENVIRONMENT**

*1 Semester, 1 Credit - Fall Semester only
Elective in grades 11-12*

This semester-long lab-based course is designed to inspire students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. Students will identify and analyze environmental problems both natural and human-made. Lab work will include fieldwork to gather and then interpret water quality and ecosystem data. Fall Semester will emphasize the science of the environment, but each semester course will address and incorporate both science of the environment and human impact on the environment.

**0530-B ENVIRONMENTAL SCIENCE II:
THE HUMAN IMPACT ON THE ENVIRONMENT**

*1 Semester, 1 Credit Spring Semester only -
Elective in grades 11-12*

This semester-long lab-based course is designed to evaluate the risks associated with ecological problems, both natural and human made. Students will synthesize alternative solutions for resolving and/or preventing these issues. Lab work will include collecting and analyzing pollution and population data. Spring Semester will emphasize the human impact on the environment, but each semester course will address and incorporate both science of the environment and human impact on the environment.

0523 ELECTRICITY

1 Semester, 1 Credit - Elective in grades 10-12

In this lab-based course, students will learn and use technical skills to build their own Reprap Prusa Mendel i3 3D printer. These skills will include: analyzing and understanding simple DC circuits, reading meters, soldering, utilizing Ohm's law and reading schematic diagrams. Students will also learn how to tune and maintain their 3D printer, in addition to troubleshooting and solving problems that may arise. Students will also learn basic design skills and techniques using a Computer Assisted Design program. Students will then print a variety of their designs on their own 3D printer. *There will be a lab fee of approximately \$150 associated with this course.*

0524 BIOTECHNOLOGY

1 Semester, 1 Credit - Elective in grades 11-12

Biotechnology is the use of biological processes to solve problems and improve our quality of life. Students will explore, first hand, examples from history of biotechnology including: the fermentation of various foods and beverages such as: root beer, cheese, yogurt, and sauerkraut. The 20th Century led to formulating medicine from molds and plants, selective breeding, and genetically engineered bacteria/fungi, plants, animals, designer vaccines, and human gene therapy, encompassing a rapidly growing field which will continue to impact our lives. This course will introduce various techniques used in biotechnology including: micro pipetting, DNA extraction, electrophoresis, DNA fingerprinting, PCR, culturing bacteria, and testing antibiotics. Additionally, the moral and ethical issues of certain genetic engineering practices will be discussed.

**PORTRAIT OF A
HILL-MURRAY
GRADUATE**

LEADER

- Lives their values and leads by example
- Embraces their journey and awareness of being created in God's image
- Understands their strengths and weaknesses
- Empowers those around them
- Seeks to live out their faith by building bridges and serving others

TEACHER AIDE

SERVICE LEARNING

PEER PROGRAMS

STUDY HALLS

0997-A SEM 1 TEACHER AIDE

0997-B SEM 2 TEACHER AIDE

1 Semester or Full year - No Credit -

Elective in grades 11-12 - Prerequisites: Signature of Instructor and Counselor, Current semester GPA of 2.0

By special arrangement with individual teachers and counselors, students may serve as a Teacher Aide. The student will assist the teacher in a variety of tasks, depending on the needs of the teacher/department. Grading for this course will be on a Pass/ Fail basis (and will not be figured into the GPA) with criteria agreed upon in advance by the instructor and Teacher Aide. Students may register to be a Teacher Aide both semesters. However, this course DOES NOT fulfill the minimum 12 semester credits that students must register for each year nor count toward the 48 required credits for graduation. Therefore, students may NOT be a Teacher Aide and have a study hall in the same semester.

0959 SERVICE CREDIT - GRADE 9

0950 SERVICE CREDIT - GRADE 10

0951 SERVICE CREDIT - GRADE 11

0952 SERVICE CREDIT - GRADE 12

1 Credit each year - Required grades 9-12

As a Catholic Benedictine school, Hill-Murray School's approach to community service and social justice is grounded in the mission and ministry of Jesus Christ and Church teaching. As a graduation requirement, all students in grades 9-12 must complete a Service Credit during each of their four years at Hill-Murray. Students earn a passing grade for the Service Credit by completing two Service Experiences (with one serving the poor and vulnerable) during the school year or during the previous summer. Service Experiences must be a minimum of one hour in length, not directed at a family member or relative, non-partisan, non-compensated, not for class credit, and done outside the school day. A written Service Form documenting the Service Experience must be turned in to Campus Ministry the quarter in which the service is completed.

The credit DOES NOT fulfill the minimum 12 semester credits that students must register for each year. The credit will be graded Pass/Fail and will not be figured into the GPA.

0998 PEER TUTORING / PEER LISTENING

Full Year, No Credit - Elective 11-12

Prerequisites: application and signature of Instructor

Students who want to be of service in the areas of Peer Tutoring or Peer Listening will meet with an instructor to arrange independent work with peers in these areas. Initiation into peer helping/service learning involves an ongoing evaluation to be part of these courses. The courses focus on communication, leadership and study skills. If giving service or a career in a helping profession is of interest, one of these courses may be for you. Service credit is awarded for volunteering your time. The credit DOES NOT fulfill the minimum 12 semester credits that students must register for each year. The credit will be graded Pass/Fail and will not be figured into the GPA.

0887-A SEM 1 STUDY HALL GRADES 9/10

0887-B SEM 2 STUDY HALL GRADES 9/10

0890-A SEM 1 STUDY HALL GRADES 11/12

0890-B SEM 2 STUDY HALL GRADES 11/12

1 Semester or Full Year, No Credit

Study Hall provides students the opportunity to use the Library/ Media Center and Peer Tutoring Service. It also allows for in-school time to meet with teachers, counselors and other activity advisors. Study Hall may be taken every semester of every year in grades 9-12, without impacting the 48 credit graduation requirement. Students are encouraged to take Study Hall if they want it, need it, and will make good use of the time.

SOCIAL STUDIES

0406-A SEM 1 MODERN WORLD HISTORY 10

0406-B SEM 2 MODERN WORLD HISTORY 10

Full Year, 1 Credit each semester - 2 Credits total - Required for Grade 10

This course is a survey of major civilizations from 1250 to the present, thematically, as well as, chronologically. Considerable emphasis is placed upon recognition of cultural, religious, economic and political interaction and change. A major project requiring research and hypothesis is an integral element of the course.

0417-A SEM 1 HONORS MODERN WORLD HISTORY

0417-B SEM 2 HONORS MODERN WORLD HISTORY

Full Year, 1 Credit each semester - 2 Credits total - Elective 10 (fulfills requirement of World History) Acceptance into Honors Modern World History will be based off of the student's previous academic performance and entrance exam.

This course is a survey of major civilizations from 1250 CE through the present day. Utilizing an advanced text, students will discern social, religious, political, and economic trends through the study of geography, people, societal structure, institutions and events. Students will also develop disciplined reading, note-taking and writing skills. Several papers and presentations will be required throughout the year as well as a major individual research project.

0408-A SEM 1 UNITED STATES HISTORY 2

0408-B SEM 2 UNITED STATES HISTORY 2

Full Year, 1 Credit each semester - 2 Credits total - Required for Grade 11

This course surveys the development of the United States from the earliest peopling of North America to the 21st century. Historical events will be examined within political, cultural, economic and social framework. Students will explore primary and secondary sources to examine historical events of the past and draw connections to the present. Significant emphasis is placed on how the concepts of freedom, liberty and democracy have changed over time.

0410-A SEM 1 CIS / U.S. HISTORY:

AUTHORITY & REBELLION IN AMERICA TO 1865

0410-B SEM 2 CIS GLOBAL AMERICA:

FROM 1865 TO PRESENT

Full Year, 1 Credit each semester - 2 Credits total Acceptance into this course requires the recommendation of the student's 10th grade History teacher in accordance with University of Minnesota policies.

The course is a survey of social and political history in America from the prehistoric era, to the Civil War era (ca. 1865), and from Reconstruction to the modern era. Students will examine how conceptions of freedom, liberty, and democracy have changed over time. To do so, students will take up research in primary and secondary sources; through class discussion and writing, students will analyze primary sources for value and meaning, and examine interpretation. Students who take this course are expected to be concurrently enrolled in the University of Minnesota's 3-credit HIST 1307 and 1308 courses. *A tuition fee will be charged for the U of M credits.*

0414-A SEM 1 GOVERNMENT & ECONOMICS 12

0414-B SEM 2 GOVERNMENT & ECONOMICS 12

Full Year, 1 Credit each semester - 2 Credits total Required for Grade 12

This senior-level course is composed of one semester of government and one semester of economics. In the first semester, students will study political theory focusing on the American republican form of government. The class will include a survey of government institutions, processes and policies, and specific emphasis will be placed on the Constitution and the three branches of government. The second semester will introduce students to the fundamental principles of microeconomics and macroeconomics. Students will study the operations of the free market, the roles of business and labor and the financial markets. Students will examine the national economy and the impact of government policies on it.

SOCIAL STUDIES ELECTIVES

0416-A SEM 1 CIS POLITICAL SCIENCE

0416-B SEM 2 HONORS ECONOMICS

Full Year, 1 Credit each semester - 2 Credits total for Hill-Murray; 4 Credits for University of Minnesota for 1st semester. Acceptance into this course requires the recommendation of the student's 11th grade U.S. History teacher in accordance with University of Minnesota policies.

American Democracy in a Changing World is an introduction to politics and government in the United States, covered during the first semester. There is an emphasis on Constitutional origins and development, policymaking institutions, linkage institutions, and political socialization. Within the course, students will examine various ways of explaining politics and the nature of political science, with a focus on recent trends. Students who take this course are expected to be concurrently enrolled in the University of Minnesota's 4-credit POL 1001 course. The second semester will introduce students to the fundamental principles of microeconomics and macroeconomics. Students will study the operations of the free market, and the roles of business and labor and the financial markets. Students will examine the national economy and the impact of government policies on it. *A tuition fee will be charged for the U of M credits.*

0411 HUMAN BEHAVIOR

1 Semester, 1 Credit - Elective in grades 11-12

This 1-semester Psychology course focuses on Human Behavior. Topics include: human development, personality theories, psychological disorders, and social psychology—including anti-social behavior, criminal behavior and forensics, prejudice and altruism. Evaluations include short investigative papers, hands-on projects, presentations and quizzes. This course combined with Psychology prepares a student to take the AP Psychology exam.

0412 PSYCHOLOGY

1 Semester, 1 Credit - Elective in grades 11-12

This course is an introduction to the study of Psychology. Units include: Psychology's roots, biology of the brain, states of consciousness, sensation and perception, memory and learning. Evaluations include: experiments, projects, presentations, papers, and testing. This course combined with Human Behavior prepares a student to take the AP Psychology test.

0413 GLOBAL CONFLICTS

1 Semester, 1 Credit - Elective in grades 11-12

Global Conflicts is an elective course that will survey global conflicts in which the United States has played a role since the end of World War I. The class will seek to provide students with an understanding of current international conflicts by better understanding the historical, military, and political-economic context of the key actors and

issues. Students should expect to not only broaden their knowledge base of historical and current conflicts, but also their ability to think critically about decision-making, conflict and conflict resolution.

0415 INTRODUCTION TO SOCIOLOGY

1 Semester, 1 Credit - Elective in grades 9-10

Students in this course will examine historical and contemporary theories about the formation of societies, how people and groups influence those societies, and how they influence individuals in return. Students will develop an understanding of, and appreciation for, the distinctive groups that form our modern American society. This course requires students to develop their own study of a theory from the course by conducting their own research, analyzing the results, and presenting their findings.

0418 WORLD GEOGRAPHY

1 Semester, 1 Credit - Elective in grades 9-12

This course is an introduction to geography and the study of people, places and the environment from a physical and cultural perspective. Students will use a variety of geographers' tools and methods to analyze patterns and processes that have shaped human understanding, use, and alteration of the Earth. Students will be assessed through collaborative projects and written assignments that demonstrate understanding of human-environment interactions around the globe.

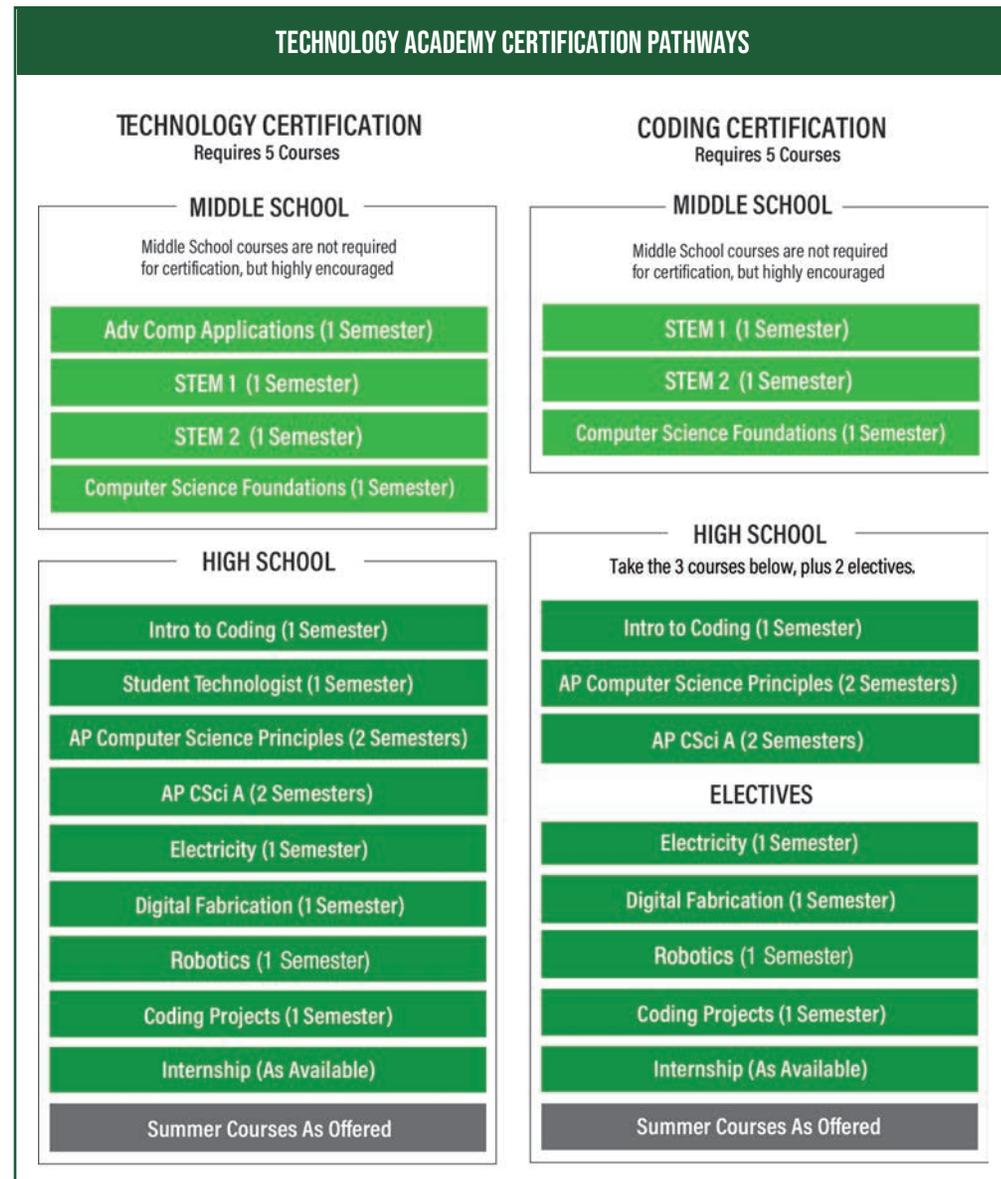
0430 INTRO TO LAW AND CRIMINAL JUSTICE

1 Semester, 1 Credit - Elective in grades 10-12

The goal of this one-semester elective course is to provide students with a foundational survey of Criminal Justice with a focus on the various processing stages, legal practices, and the criminal justice system. Students will learn about civil and criminal law, their own rights, and the judicial process. Historical and contemporary components of the judicial system, including the police, the courts, and correctional agencies are explored. Students will examine both the effects of crime in communities, as well as the criminal justice system response to crime in our contemporary society. Students will gain hands-on experience with the judicial system, civil rights and liberties, and build skills with dynamic real-world skills.

TECHNOLOGY ACADEMY CERTIFICATION PATHWAYS

Hill-Murray School offers two comprehensive Technology Academy Pathways, giving students the opportunity to gain experience in a comprehensive science, technology, engineering, and math curriculum (STEM.) This includes hands-on experience with computational thinking, 3D printing and design, web development, and coding. Both the Technology Academy Certification and the Technology Academy Coding Certification offer courses that introduce students to advanced technology topics and develop their technical skills with industry-standard software. Our Coding Certification Pathway takes it to the next level and develops student's foundational and advanced coding skills. This Pathway Prepares students for college credit approved AP Computer Science testing. Completing these pathways will help set students apart from their peers in both college and the workforce at large. See diagram for required courses to complete the two certification pathways.



TECHNOLOGY ENGINEERING

0523 ELECTRICITY

1 Semester, 1 Credit - Elective in grades 10-12

In this lab-based course, students will learn and use technical skills to build their own Reprap Prusa Mendel i3 3D printer. These skills will include analyzing and understanding simple DC circuits, reading meters, soldering, utilizing Ohm's law and reading schematic diagrams. Students will also learn how to tune and maintain their 3D printer, in addition, to troubleshooting and solving problems that may arise. Students will also learn basic design skills and techniques using a Computer Assisted Design program. *Students will then print a variety of their designs on their own 3D printer. There will be a lab fee of approximately \$150 associated with this course.*

0723 STUDENT TECHNOLOGIST

1 Semester, 1 Credit - Elective in grades 9-12

The Student Technologist course is designed to help students gain valuable experience in the Information Technology field, gain confidence in their ability to overcome problems, and gain valuable hands on experience using, troubleshooting, and repairing industry software and hardware. During this course students will participate in activities that will help prepare them for industry-recognized technology certifications.

0724 INTRODUCTION TO CODING

1 Semester, 1 Credit - Elective in grades 9-12

Explore the building blocks of the digital world all around us. Dip a toe in the world of website and mobile application

design, and learn why application design and programming are and will continue to be one of the fastest growing job sectors in the world. Learn to program in the world's most popular computer languages. The programming language of the web, JavaScript, will also be part of the curriculum. Students will be exposed to PHP,[®] and Python,[®] and recognize how these are used to program sites such as Facebook[®] and YouTube[®]. In addition, students will learn about programming in Ruby[®] and jQuery,[®] and study how these can make sites and applications more interactive.

0726 CODING PROJECTS

1 Semester, 1 Credit - Elective in grades 11-12

Requires approval from Ben Gapinski

Use your new coding powers for good! This class gives students the opportunity to create an entire application, start to finish. Student will work with the instructor to select a project that is interesting to them and also will cover all areas of application design. Students will engage in every step of the software development life-cycle (SDLC), from concept to storyboarding and sketching, UX design, wireframing, proposals, construction, testing and review. This class is project based, and includes a lot of work-time in and out of the classroom, and may also include some off site trips to enterprise software companies.

0728-A SEM 1 AP COMPUTER SCIENCE

0728-B SEM 2 AP COMPUTER SCIENCE

Full Year, 1 Credit each semester - 2 Credits total - Elective in grades 10-12 - Prerequisite: Successful completion of AP Computer Science - Principles or Intro to Coding

AP Computer Science introduces students to computer science with fundamental topics that include: problem

solving, design strategies and methodologies, organization of data, approaches to processing data, analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design.

0734-A SEM 1 AP COMPUTER SCIENCE PRINCIPLES

0734-B SEM 2 AP COMPUTER SCIENCE PRINCIPLES

Full Year, 1 Credit each semester - 2 Credits total - Elective in grades 9-12

AP Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. With a unique focus on creative problem solving and real-world applications, AP Computer Science Principles prepares students for college and career.

0736 DIGITAL FABRICATION

1 Semester, 1 Credit - Elective in grades 10-12

In this course, students will learn to use CAD software along with other design tools to work with 3D Printers, laser cutters, vinyl cutters and CNC routers to create solutions in a project-based learning environment.

0738 ROBOTICS

Fall Semester, 1 Credit - Elective in grades 9-12

In this hands-on course students will work together in groups to design, build, program, and test a robot to operate within the constraints of a specific challenge. Students will learn Engineering, Computer Aided Design, and Computer Programming as they prepare their robots for the FIRST Technical Challenge (FTC). The course will emphasize problem solving and design, but students will also learn tool safety and technical writing skills. Robots designed in this course will enter into the FTC competition..

THEATRE

0843 INTRODUCTION TO THEATRE

1 Semester, 1 Credit - Elective in grades 9-10

This course is a basic exposure to the elements of the art of theatre and includes: practice in acting through improvisation, imagination, pantomime, exercises, techniques and scenes providing both social and individual development. Students work in groups toward a creative goal and also gain deeper insight into people by studying characterization in numerous plays.

0844 INTRODUCTION TO THEATRE TECHNOLOGY

1 Semester, 1 Credit - Elective in grades 9-12

Step behind the scenes to discover the tools, techniques, and skills required to mount a theatrical production. The class will assist in the production of a Hill-Murray Theatre musical or play, aiding in the construction and finish of the scenic design, as well as the implementation of the lighting design. The course will offer the opportunity to explore technical theatre disciplines such as stage lighting, scenic design and construction, painting techniques, special effects, sound design, production management, and developing and interpreting technical drawings. Students will have the opportunity to operate and utilize modern theatre technology, such as the lighting console, sound board, and cueing software.

0845 ELEMENTS OF ACTING

1 Semester, 1 Credit - Elective in grades 11-12 -

Prerequisite: Intro to Theatre

This course is designed for students who desire an in-depth exploration of acting and will be a forum for application of the techniques and skills learned. These skills will be strengthened and applied through observation of and participation in scene and monologue work. Focus will be placed on basic skills and concepts necessary for creative, truthful and believable performances of selected scenes including: use of voice and body, imagination, relaxation, sense and emotion memory and script analysis.

WORLD LANGUAGE

Students who are new to Hill-Murray will automatically be registered for level 1 of Spanish or French. Students who feel ready to take a higher level of French should contact the French Department for placement. Students who feel ready to take a higher level of Spanish must register for, and take, the Spanish Placement Evaluation to determine whether they do indeed have the necessary foundation in Spanish grammar. Students who qualify for an upper-level language class may take it, schedule permitting. Note: Please refer to page 7 (College Preparation) regarding World Language recommendations; As a general rule, 2-years of a World Language are a minimum requirement for college entrance. Many colleges and universities require 3 or 4 years of a World Language for college entrance.

0608-A SEM 1 FRENCH I

0608-B SEM 2 FRENCH I

Full Year, 1 Credit each semester -

2 Credits total - Elective in grades 9-12

This course is an introduction to the French language. A beginning development of real-life skills is the basis of language learning through reading, writing, speaking and listening, as well as, an introduction to the culture. Main topics include: greetings and introductions, expressing likes and dislikes, describing self and others, shopping for food and clothing, pastimes, sports, hobbies, and future plans.

0610-A SEM 1 FRENCH 2

0610-B SEM 2 FRENCH 2

Full Year, 1 Credit each semester -

2 Credits total - Elective in grades 9-12

Prerequisites: Written approval of French I teacher to continue.

The students' abilities to listen, speak, read and write are further developed in a guided and structured manner. Main topics include: Paris and city life, health and daily routines, holiday and celebrations, and fairy tales. Students are continually infusing French culture into their studies, including presentations of cultural research projects.

0612-A SEM 1 FRENCH 3

0612-B SEM 2 FRENCH 3

Full Year, 1 Credit each semester -

2 Credits total - Elective in grades 9-12

Prerequisite: Written approval of French 2 teacher to continue

Students continue to develop real-life skills in the French language. Listening, reading, writing, speaking and cultural awareness are practiced in the context of thematic units such as living in Paris, transportation and travel, the global Francophone world, and the environment.

0656-A SEM 1 HONORS FRENCH 4**0656-B SEM 2 HONORS FRENCH 4**

Full Year, 1 Credit each semester - 2 Credits total - Elective in grades 9-12 Prerequisite: Written approval of French 3 teacher.

The subjects covered in this course will provide in-depth practice in all skill areas of the French language: reading, writing, listening, speaking, and culture. At least one research paper will be required each year. Topics may include, but are not limited to: history, authors, artists, cuisine, jobs and careers, music, and the global Francophone world. Special emphasis is placed on preparing students for their college placement exams and courses.

0668-A SEM 1 HONORS FRENCH 5**0668-B SEM 2 HONORS FRENCH 5**

Full Year, 1 Credit per semester - 2 Credits total - Elective in grades 9-12 - Prerequisite: Written approval of French 4 teacher.

The subjects covered in this course will provide in-depth practice in all skill areas of the French language: reading, writing, listening, speaking, and culture. At least one research paper will be required each year. Special emphasis is placed on preparing students for their college placement exams and courses. Students will be expected to communicate almost exclusively in French.

0670-A SEM 1 HONORS FRENCH 6**0670-B SEM 2 HONORS FRENCH 6**

Full year, 1 Credit per semester - 2 Credits total - Elective in grades 9-12 - Prerequisite: Written approval of French 5 teacher.

This course will focus on refined comprehension of the more challenging grammatical concepts of the French language. It will emphasize improved pronunciation and

speaking skills, as well as reading, writing, and listening comprehension in the French. Special emphasis is placed on preparing students for college placement exams and courses. Students will be expected to communicate exclusively in French.

0644-A SEM 1 HERITAGE SPANISH**0644-B SEM 2 HERITAGE SPANISH**

Full Year, 1 Credit each semester - 2 Credits total - Elective in grades 9-12 - Prerequisite: placement by language proficiency test score and discussion with a member of our Spanish Department.

This year-long elective course is intended for students who speak Spanish at home or who have completed a Spanish immersion program. This course will focus on building the students' academic literacy and understanding of grammatical structures. Upon successful completion of this course, students will be eligible to register for Spanish III or higher. The final decision on which course will be most appropriate will be determined by the instructor.

0624-A SEM 1 SPANISH I**0624-B SEM 2 SPANISH I**

Full Year, 1 Credit each semester - 2 Credits total - Elective in grades 9-12

This course is an introduction to the Spanish language. A beginning development of real-life skills is the basis of language learning through reading, writing, speaking and listening, as well as an introduction to the culture. Main topics include: greetings and introductions, expressing likes and dislikes, describing self and others, shopping, food, clothing and pastimes.

0626-A SEM 1 SPANISH 2**0626-B SEM 2 SPANISH 2**

Full Year, 1 Credit each semester - 2 Credits total - Elective in grades 9-12 - Prerequisite: In order to ensure that students are prepared for Spanish 2, they must give an adequate demonstration of knowledge on Hill-Murray's placement exam OR must already have passed a full year of Spanish I at Hill-Murray or in an equivalent curriculum.

Students continue to expand on their communication through oral, written, and listening activities. Main topics include: travel, sports, daily routines/hygiene, fashion, and bargaining in a market. Students also read culturally relevant articles and short stories in Spanish. Vocabulary, grammatical concepts and cultural materials are reinforced.

0628-A SEM 1 SPANISH 3**0628-B SEM 2 SPANISH 3**

Full Year, 1 Credit each semester - 2 Credits total - Elective 9-12 - Prerequisites: C- or better in Spanish 2 and written approval of Spanish 2 teacher.

Students continue to develop real-life skills in the Spanish language. Listening, reading, writing, speaking and cultural awareness are practiced in real-life situations and are supported with culturally relevant materials in Spanish. Grammar and vocabulary are a continued focus, with an increased emphasis on meaning and communication.

0636-A SEM 1 HONORS SPANISH 4**0636-B SEM 2 HONORS SPANISH 4**

Full Year, 1 Credit each semester - 2 Credits total - Elective in grades 9-12 - Prerequisite: B- or better in Spanish 3 and written approval of Spanish 3 teacher.

The subjects covered in this course will provide in-depth practice in all skill areas in Spanish: reading, writing,

listening, speaking and culture. Students are required once per semester to do a cultural experience in the Minnesota Hispanic community. Special emphasis is placed on preparing students for their college Spanish courses and for real-life situations.

0638-A SEM 1 HONORS SPANISH 5

0638-B SEM 2 HONORS SPANISH 5

Full Year, 1 Credit each semester - 2 Credits total - Elective in grades 9-12 - Prerequisite: B- or better in Spanish 4 or written approval of current Spanish teacher.

The subjects covered in this course will provide in-depth practice in all skill areas of the target language: reading, writing, listening, speaking and culture. Special emphasis is placed on preparing students for their college entrance examinations and for college level Spanish courses, as well as for real-life situations using Spanish. Students will be expected to communicate almost exclusively in the Spanish language.

0640-A SEM 1 HONORS SPANISH 5 FOR COLLEGE CREDIT

0640-B SEM 2 HONORS SPANISH 5 FOR COLLEGE CREDIT

Full Year, 1 Credit each semester - 2 Credits total- Elective in grades 10-12 - Prerequisite: B- or better in Spanish 4 and written approval of current Spanish teacher.

This course is a Senior to Sophomore class offered through St. Cloud State University (Spanish 202). The subjects covered in this course will provide in-depth practice in all skill areas of the Spanish language: reading, writing, listening, speaking and culture. Several videos, short writings, as well as a paper and oral presentation will be required. Students will be expected to communicate almost exclusively in the Spanish language. Upon completion of this course, a student may receive 4 college credits. Senior to Sophomore (S2S) offerings provide students courses at Hill-Murray that can concurrently allow them to receive college credit through St. Cloud State University. Students must apply to and be accepted by St. Cloud State to receive credit. *There is an extra fee for the students who wish to receive credit.*

CREDIT RECOVERY

If a student fails a class, a contract for credit recovery will be established with the teacher and a plan will be created to make up the credit. There is a cost for credit recovery per semester. *Summer counts as a semester.*

HILL-MURRAY ACCEPTED ONLINE COURSES

To provide options for students in their learning, Hill-Murray may allow online credits to count for elective credits towards graduation from accredited classes. Exceptions may be allowed to this policy for required classes through the Student Assistance Team. The exception procedure begins by contacting your Counselor and explaining your need. Examples of situations where exceptions will be granted include: medical conditions, students seeking to overload their schedule to make space for credit recovery in a required class, student has outgrown our math options, students transferring into Hill-Murray without all credit needed for graduation or other. On-line providers we accept include: K-12 Mizzou, Online-Northern Star, Online Wisconsin Virtual School, and Brigham Young University.

POST-SECONDARY ENROLLMENT OPTIONS (PSEO)

PSEO is a state program for juniors and seniors that allows students to enroll in non-sectarian courses at eligible colleges and universities for high school credit. Students must meet the requirements of the post-secondary institution they wish to attend, as determined by the college or university. Students considering this option are expected to be responsible, motivated, and independent learners. Hill-Murray will accept post-secondary credits for graduation under the following criteria:

- Students looking to participate in the PSEO program must inform their H-M counselor of their intent to participate by March 30 (prior to the school year in which you wish to enroll in the PSEO program). Their H-M guidance counselor will assist in the enrollment process.
- Only elective courses not offered at H-M are acceptable for graduation credit.
- Students may earn a maximum of one PSEO credit per semester.
- All PSEO courses must be taken for a letter grade and reported on the H-M transcript. Grades will be calculated into the GPA.
- Students must be scheduled for one study hall per semester, when participating in PSEO.
- Schedule changes to accommodate participation in PSEO will be made only as the Master Schedule permits.



Guidance and Counseling
651.748.2428

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