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MAGNIFICAT

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2010-2011  
CURRICULUM GUIDE



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Magnificat High School,  
a girls' Catholic college-preparatory high school,  
founded and sponsored by the Sisters of the Humility of Mary,  
calls young women to live Mary's Magnificat in the world.

### **Mission**

We educate young women holistically  
to learn, lead and serve  
in the spirit of Mary's Magnificat.



# MAGNIFICAT

WOMEN OF FAITH WHO SERVE, LEAD AND SUCCEED

## COURSE DESCRIPTIONS SCHOOL YEAR 2010–2011

### GRADUATION AND COLLEGE PREPARATORY RECOMMENDATIONS

- 25 credits are required for graduation.
- 4 credits in Theology are required in addition to the state requirement of 21 credits.

The successful completion of a Senior Genesis project is also required for graduation. Guidelines for the project are reviewed with seniors during the first semester of senior year.

Classroom Guidance classes are required of each student.

*Note: Required courses must be taken at Magnificat. Each student must carry three 3 credits each semester. A student may take 7 credits with approval from her counselor.*

<i>Subject</i>	<i>Graduation Requirement</i>	<i>Ideal College Preparatory Recommendation</i>
<b>Theology</b>	4	—
<b>English</b>	4	4
<b>Performing or Visual Art</b>	1	1
<b>Health/Physical Education</b>	1	1
<b>Mathematics</b>	4 <i>(Class of 2013–2014)</i>	4
<b>Science</b>	3	4
<b>Social Studies</b>	3	3
<b>World Language</b>	2	4
<b>Communication Technology</b>	1/2	1/2
<b>Global Communications and Research</b>	1/2	1/2



## SAMPLE SCHEDULES FOR 2010–2011

### RECOMMENDED COLLEGE PREPARATORY SCHEDULE

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At Magnificat faculty, parents, and students work together to create the kind of caring environment that fosters spiritual growth and intellectual development. Within that atmosphere, each student is challenged to mature in her pursuit of knowledge and understanding. To achieve that goal, the following course of studies is recommended for all students preparing for college.

#### FRESHMAN SCHEDULE

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1. Freshman Theology
2. Performing Art or Visual Art
3. English 9 (*Honors as recommended*)
4. Math (*Algebra 1, Geometry, or Honors Geometry, as recommended*)
5. Arabic/Chinese/French/Spanish
6. Biology I (*Honors as recommended*)
7. Freshman Physical Education
8. Communication Technology
9. Global Communications and Research
10. Classroom Guidance

#### JUNIOR SCHEDULE

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1. Theology: Morality, Life Issues
2. English 11/English core option  
(*Honors English 11 as recommended*)
3. Math (*as recommended*)
4. Economics/Government  
(*AP Macroeconomics as recommended*)
5. Junior Physical Education
6. Classroom Guidance  
2-3 Electives (*must total at least 2 full credits*)

#### SOPHOMORE SCHEDULE

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1. Sophomore Theology
2. English 10 (*Honors as recommended*)
3. Math (*as recommended*)
4. Arabic/Chinese/French/Spanish
5. World History (*AP as recommended*)
6. Health
7. Classroom Guidance  
1/2 credit elective or  
Sophomore Physical Education

#### SENIOR SCHEDULE

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1. Senior Theology: Comparative Religions,  
Call and Vocation
2. English 12/English core option  
(*AP Lit & Composition as recommended*)
3. United States History (*AP as recommended*)
4. Classroom Guidance  
3-4 Electives (*must total at least 3 full credits*)

# ACADEMIC RECOGNITION

Students who follow a strong academic program over 4 years may be recognized at the end of senior year with one or more of the following awards:

## ❖ Ohio State Board of Education Award of Merit

A Magnificat graduate qualifies for the **Ohio State Board of Education Award of Merit** by meeting the following criteria beyond the school's graduation requirements:

- Academic:*
- 3 credits in the same foreign language or 2 credits in each of 2 foreign languages
  - Outstanding achievement in curriculum as evidenced by one of the following:
    - Overall GPA of 3.25 for grades 9-12
    - Overall GPA of 3.5 for grades 11-12
- Performance:*
- Attendance above the current state average (91%) in grades 9-12
  - Participation in co-curricular, extracurricular or community activities
  - Outstanding citizenship/character according to criteria established by Magnificat High School.

## ❖ Ohio State Board of Education - Diploma with Honors

Magnificat graduates are eligible for a diploma with honors as defined by the State Board of Education if they meet all but one of the following criteria:

English	4 credits
Fine Arts	1 credit
Math	4 credits (including Algebra I, Algebra 2, Geometry & a higher level course)
Science	4 credits (including Physics & Chemistry)
Social Studies	4 credits
World Language	3 credits (must include 3 credits of same language or 2 credits in each of 2 languages)
Electives	no elective requirement
GPA	3.5 on a 4-point scale
Composite Score	27 on ACT or 1210 on SAT

## ELECTIVES 2010-2011

Course	Grade Level	Semester /Year	Course	Grade Level	Semester /Year
Personal Finance	II, 12	semester	Earth Science	10, II, 12	year
Accounting	II, 12	semester	Environmental Science	10, II, 12	year
International Business with an Asian Focus	II, 12	semester	Chemistry I/ Honors Chemistry	10, II, 12	year
Entrepreneurship	II, 12	semester	Chemistry in the Community	II, 12	year
Advanced Writing I, 2	II, 12	semester	Advanced Chemistry/Biology	II, 12	year
Latin for College Prep	II, 12	semester	AP Biology	II, 12	year
Literature & Film	II, 12	semester	AP Chemistry	II, 12	year
Oral Communication	II, 12	semester	Conceptual Physics	II, 12	year
Sophomore Physical Education	10	semester	Physics/Honors Physics	II, 12	year
Lifetime Activities (offered August 2011)	II, 12	semester	Human Geography	II, 12	semester
Transitional Algebra	II	year	Psychology	II, 12	semester
Mathematical Modeling Applications	12	year	Sociology	II, 12	semester
Precalculus-Trig./ Honors Precalculus Trig.	II, 12	year	Art Experiences	9	year
Calculus	12	year	Introduction to Studio Art	9	year
AP Calculus AB/BC	12	year	Studio Art: Drawing & Painting I, 2, 3, 4	10, II, 12	semester
AP Statistics	II, 12	year	2-Dimensional Design	10, II, 12	semester
Freshman Chorus	9	year	3-Dimensional Design	10, II, 12	semester
Class Piano (9)	9	year	Clayworks I, 2	10, II, 12	semester
Class Piano 2	10-12	semester	Embellished Surfaces I, 2	10, II, 12	semester
Band	9-12	year	Metals/Jewelry I, 2	II, 12	semester
Drama I	9	year	Photography I, 2	II, 12	semester
Drama I/ Drama 2	10-12	semester	AP Art History	II, 12	year
String Orchestra	9-12	year	Arabic I/Chinese I	9	year
Concert Choir	10, II, 12	year	Arabic 2/Chinese 2	9, 10	year
Select Show Choir	10, II, 12	year	French 1/Spanish 1	9	year
Dance I/Dance 2	10, II, 12	semester	French 2/Spanish 2	9, 10	year
Choreography	II, 12	semester	French 3/Spanish 3	10, II	year
Chorale	II, 12	year	French 4/Spanish 4	II, 12	year
Theatre Tech	II, 12	year	AP French/AP Spanish	II, 12	year
			Independent Study in Advanced Spanish/French	12	semester

A study of theology is essential to the mission of Magnificat and the holistic development of students. Students learn the Catholic tradition in doctrine and morality within the context of a Christian community. Students participate in prayer and worship and engage in justice and service. A deepened understanding of Mary as faithful disciple and the implications of the Magnificat for Christian living permeates the curriculum.

The theology program has a dual focus: to promote and enrich the faith dimension of each student and to enable her to apply Catholic teachings and values to daily life. Students will study the creed, sacraments, and grace and be guided in implementing the knowledge, skills, and values of those teachings in light of the realities of adolescent development and the contexts and environments of their lives. The program fosters women's ways of knowing, leading, serving and being holy.

**115 Freshman Theology**

- 9 required                      •year
- 10 mods                        •1 credit

*Prerequisite: None*

Students reflect on the school's mission statement as well as the implications of Mary's Magnificat in their lives. Students examine their identity as whole persons made in the image of God and learn how to foster healthy relationships. They are introduced to Scripture and relate the stories from the Hebrew Scriptures to their own lives. Students also study the various models of Church, and examples of struggles and successes which resonate with their personal stories.

**125 Sophomore Theology**

- 10 required                      •year
- 10 mods                        •1 credit

*Prerequisite: None*

Students will look at the person and teachings of Jesus as presented through the Gospels. They will see the connection between the Church's teaching on Social Justice and what Jesus taught. The students will look at the issues of Social Justice that we face in our world today and better understand how one should respond in this world. As an outgrowth of a clear understanding of the implication of social justice, each second year student is required to complete a 30 hour service project.

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**Junior Theology:**

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**131 Morality**

- 11 required                      •1<sup>st</sup> semester
- 8 mods\*                        •1/2 credit

*Prerequisite: None*

This course begins with the question, "What does it mean to be human?" The students will explore the moral texture of the rootedness of values in the concept of identity. The students will study what factors form our individual and collective moral identity and our call to be moral agents in both our personal lives and in society. They will learn the process of sound moral decision making through an examination of key sources of Catholic beliefs, and study several models of moral development. Examination of moral issues will enable the students to apply decision-making principles to concrete situations.

**133 Life Issues**

- 11 required                      •2<sup>nd</sup> semester
- 8 mods\*                        •1/2 credit

*Prerequisite: Morality*

The respect for the dignity of human life and the interconnectedness of all creation inherent in Catholic teaching are central to this course. With the foundation of principles and practice in moral decision-making in the first semester, students will continue to explore what it means to be human by examining a variety of life issues, including abortion, euthanasia, eugenics, and bioethics.

*\* 10 mods beginning August 2011*

**Senior Theology:**

**140 Call and Vocation**

- 12 required      •semester
- 10 mods        •1/2 credit

*Prerequisite: None*

Each student will deepen her understanding of God’s call in her life. She will explore how her identity is connected to prayer, faith, love, sexuality, and mature, healthy relationships as she studies vocations in life and women’s ways of leading, serving, and being holy. Emphasis will be placed on the necessity of prayer and spiritual practices as means of discerning positive and fulfilling paths for the future.

**143 Comparative Religions**

- 12 required      •semester
- 10 mods        •1/2 credit

*Prerequisite: None*

Grounded in Catholic beliefs and teachings and the evolving story of Church history, students will explore and compare the beliefs and practices of several other major religious traditions. This course will promote an appreciation of diversity as well as provide pathways for mutual understanding. The students will see how religion, ritual, and prayer play an important role in the lives of people.

**BUSINESS TECHNOLOGY**

The Modular Technology course, a requirement for graduation, incorporates skills that are applicable across the high school curriculum and in preparation for college. Important and relevant business concepts related to personal finance, accounting skills, international business and entrepreneurship are offered to students in four additional elective courses.

**310 Communication Technology**

- 9 required        • year
- 1/2 credit       •10 mods/2 quarters

*Prerequisite: None*

Students will develop the following computer skills on a rotating basis: keyboarding, word processing, Power Point and Excel. Pre-tests will be administered to determine skill levels to qualify the student for a specific group. Group 1 will begin keyboarding and group 2 will begin word processing. Internet safety will be emphasized. Students will create an electronic portfolio. Students will cover lessons and chapters in class and will work online for specific homework assignments. Skills learned will be connected to the Global Communications and Research class. (Software: *Microsoft Office 2007* and *Ellsworth Publishing On-line Keyboard Mastery*)

**315 Modular Technology (2011, 2012)**

- 11,12 required   •semester
- 1/2 credit        •10 mods

*Prerequisite: None*

Students will develop the following computer skills on a rotating basis: keyboarding, word processing, Power Point, Excel, web design, videography. Pre-tests will be administered to determine skill levels before starting the first rotation so that students can move forward independently. Additional concepts covered include ways to troubleshoot computers, internet safety practices and internet research techniques. Students will be expected to complete various multi-level assignments and a culminating technology project requiring the application of specific skills learned in this course. (Software Utilized: *Microsoft Office 2007, Dreamweaver*)

**330 Personal Finance**

- 11,12              •semester
- 1/2 credit        •10 mods

*Prerequisite: None*

Students engage in an in depth study of personal finance as it relates to them as high school students, future college students, graduates, and workers in a global economy. Topics to be covered are: improving your earning capacity, budgeting, saving, using credit wisely, managing investment and portfolio opportunities. A professional financial planner, along with the classroom teacher, will assist students in developing a personal financial portfolio throughout the semester.

**335 Accounting Fundamentals  
with Automation**

•II, I2                      •semester  
•1/2 credit                •10 mods

*Prerequisite: None*

Business majors and those considering business careers are encouraged to take this course, which will cover basic accounting principles. Individualized learning of financial records and accounting systems will be emphasized. Students will learn methods of entering and manipulating accounting data into a computer system. Spreadsheet concepts will be taught through appropriate computer software related to the general areas covered in the course. Software: Microsoft Excel and Automated Accounting 7.0.

**360 International Business  
with an Asian Focus**

•II, I2                      •semester  
•1/2 credit                •10 mods

*Prerequisite: None*

This course will emphasize international business as it is practiced in a global economy. Focus will be on the Asian countries of China, Japan and Korea, which

greatly influence American business. Students will gain valuable knowledge of geography, international trade and law, cultural differences and experiences, communication, transportation and language. Basic international business concepts and skills will be discussed in order for students to become more informed 21st century workers of companies that are connected with foreign businesses in Asia and elsewhere in the world.

**363 Entrepreneurship**

•10, II, I2                •semester  
•1/2 credit                •10 mods

*Prerequisite: None*

Students will study the concept of entrepreneurship as it pertains to starting, managing, and maintaining a successful business. Students will become actively involved in virtual workplace simulations for developing and presenting business and marketing plans. Hands-on activities will be emphasized. Students will choose a business offering a specific product or service. They will make decisions on marketing strategy, staffing and inventory. Students use algebra to develop spreadsheets, charts and graphs to analyze financial data

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**COUNSELING DEPARTMENT**

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**Classroom Guidance**

•All required              •year  
•non-credit                •1 mod

*Prerequisite: None*

Classroom Guidance is required of all students in grades 9-12. Each student attends a weekly 20 minute class where goals and objectives are presented and attained. Freshman year emphasizes high school orientation, academic planning, test-taking skills, and personal adjustment. Sophomore year begins with a continuation of test-taking skills preparing for the PSAT and OGT. The college process begins through exploration of personal strengths and career development program. The junior level begins with a more in-depth look at the college process, while continuing self-exploration and achieving success on the ACT/SAT. Emphasis is on the entire college process; in-depth interviews begin at this level. The senior program helps to guide students through the college application process and aims to provide students with skills necessary for a successful transition into college. Scheduling and course selection is geared toward academic forecasting and college selection and is addressed at all levels.

The English curriculum stresses the study of literature and literary techniques as well as the progressive development of basic communication and thinking skills. In English, regular reading and writing assignments are the core of the curriculum. Research, presentations and projects are also required. All students are required to complete four years of English. In addition, English electives are offered on all levels.

**405 Global Communications and Research**

- 9 required                      • year
- I/2 credit                      •IO mods/2 quarters

*Prerequisite: None*

Students explore the fundamentals of researching, writing, and delivering effective presentations. While researching, students use technology to collect and organize information, determine reliable Internet sources and provide proper documentation of sources. Writing skills are developed in the preparation of a variety of oral presentations. Students also learn the importance of verbal and nonverbal communication as they build their public speaking ability.

**412 English 9**

- 9 required                      year
- I credit                          •IO mods

*Prerequisite: None*

Students explore the various genres of literature and learn the terms associated with literary analysis of short stories, novels, mythology, poetry, Shakespearean drama, and non-fiction. These works are selected from various cultural and literary backgrounds. Students build their vocabulary, writing, research, and speech/presentation skills, and incorporate technology as it applies to assignments. This course assimilates the various literary experiences, and prepares them for advanced literary work in subsequent years.

**418 Honors English 9**

- 9                                      •year
- I credit                            •IO mods

*Prerequisite: Recommendation*

Honors English 9 is designed for students who are avid readers who enjoy and excel at writing, discussing and sharing their work in an English literature classroom. The Honors students analyze selections from the major literary genres, applying and refining their reading, writing, speaking, and research skills. Students will incorporate technology as it applies to individual assignments.

**422 English 10**

- IO required                      •year
- I credit                            •IO mods

*Prerequisite: None*

Students experience the multi-cultural literature of the United States. Emphasis is placed on an in-depth study of poetry, drama, novels, short stories, and nonfiction. Students continue to develop advanced skills in critical reading, analytical thinking, essay writing, creative writing, and vocabulary building and speaking.

**428 Honors English 10**

- IO                                      •year
- I credit                            •IO mods

*Prerequisite: A or B Honors English 9 or A in English 9 and departmental recommendation.*

Honor students undertake an analytical study of a wide range of multicultural literature of the United States. Emphasis is placed on an in-depth study of poetry, drama, novels, short stories, and nonfiction. There is an extensive critical and creative writing program, which emphasizes use of textual evidence in essay writing. Students continue to advance skills in critical reading, analytical thinking, essay writing, creative writing, vocabulary building, and speaking.

**432 English II**

- II required           • semester
- 1/2 credit           •IO mods

*Prerequisite: None*

English II students focus on works of literature from a variety of world cultures. The course includes in-depth analysis of classic and modern works in a range of genres. Through independent and collaborative work, students have the opportunity to develop their critical and creative thinking, writing and speaking skills. Students respond to the literature in a variety of ways including reader-response, creative pieces, critical essays and a research paper.

**434 Fantasy and Science Fiction**

- II core option   •semester
- 1/2 credit       •IO mods

*Prerequisite: None*

Students read and analyze a variety of fantasy and science fiction. This class explores the worlds and cultures of the imagination. Through independent and collaborative work, students continue to develop their critical/creative thinking and writing skills.

**436 Masterpieces of British Literature**

- II core option   •semester
- 1/2 credit       •IO mods

*Prerequisite: None*

This course is designed for students who are interested in exploring the great literary masterpieces of British Literature in a variety of genres from Beowulf to the 21st Century. Works will be read conscious of their historical literary contribution to the world of literature. The course will survey the highlights of the Anglo-Saxon/Celtic culture and analyze the components present in the literature. The development of the English language will also be explored. Through independent and collaborative work, students continue to develop their critical/creative thinking and writing skills.

**438 Honors English II**

- II                           • year
- I credit               • IO mods

*Prerequisite: 3.6 in English, 3.5 GPA and writing sample.*

Qualified students undertake an analytical study of a wide range of challenging works from a variety of world cultures. There is an extensive critical and creative writing program, including a research paper, and the use of textual evidence in essay writing. This course is designed as an initial preparation of those who hope to advance to AP English in their senior year.

**442 English I2**

- I2 required       •semester
- 1/2 credit       •IO mods

*Prerequisite: None*

Seniors continue their studies of works of literature from a variety of world cultures. Students focus on an in-depth analysis of various genres including the novel, poetry, drama, and short story. Through both independent and collaborative work, students have the opportunity to develop their critical and creative thinking, writing, researching, and speaking skills.

**444 Plays and Playwrights**

- I2 core option   •semester
- 1/2 credit       •IO mods

*Prerequisite: None*

Students experience an array of classic and modern dramatic works. This class explores both the tragic and the comic muses. Through both independent and collaborative work, students have the opportunity to develop their critical and creative thinking, writing, researching, and speaking skills.

**446 Women and Literature**

- I2 core option   •semester
- 1/2 credit       •IO mods

*Prerequisite: None*

Students explore an array of works from different cultures and genres by or about women. Through both independent and collaborative work, students have the opportunity to develop their critical and creative thinking, writing, researching, and speaking skills.



Enrollment in Physical Education is required for all freshman. The second required Physical Education course can be taken on the sophomore, junior or senior level. Sophomores are also required to register for a one semester course in Health.

### 250 Freshman Physical Education

- 9 required
- year\*
- 1/4 credit
- 4 mods\*

*Prerequisite: None*

Team sports are developed for the purpose of physical and skill development. Units presented include touch football, volleyball, floor hockey, movement education, games, weight training/conditioning and softball.

*\* for students taking instrumental or vocal music this is a year long course that runs 4 mods/6 mods*

### 240 Health

- 10 required
- semester\*
- 1/2 credit
- 10 mods\*

*Prerequisite: None*

Sophomores study first aid and the personal, social, and community dimensions of health. They will focus on the improvement of their decision-making and problem-solving skills as they relate to healthful living and health issues.

*\* for students taking instrumental or vocal music this is a year long course that runs 4 mods/6 mods*

### Other 1/4 Physical Education credit can be met by:

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#### 255 Sophomore Physical Education

- 10
- semester
- 1/4 credit
- 10 mods

*Prerequisite: None*

More advanced skills are used to give students a more extensive study of team sports. In addition, lifetime sports are introduced. A continued emphasis on good sportsmanship and teamwork is included in such sports as badminton, dance and archery.

#### 256 Lifetime Activities (offered August 2011)

- 11, 12
- semester
- 1/4 credit
- 10 mods

Life-long leisure activity skills, including bowling, ice-skating, racquetball, power walking, tennis and/or yoga are emphasized.

#### 257 Dance I (PE)

- 10,11,12
- semester
- 1/4 credit\*
- 10 mods

Students will learn about dance as a form of expression as well as a suitable lifetime activity. A variety of dance types will be included: jazz, modern, ballet, etc. This course is intended for beginning dancers.

*\* Optional 1/2 Performing Arts credit (course # 284)*

#### 258 Dance 2 (PE)

- 10,11,12
- semester
- 1/4 credit \*
- 10 mods

*Prerequisite: B or better in Dance 1, at least 2 years of dance in the past 5 years and/or recommendation of the dance teacher*

Dance 2 is intended to expand the experienced dancer's strength, flexibility, balance, and endurance, with a special focus on musical awareness, technique, choreography, and performance in jazz, modern, and ballet.

*\* Optional 1/2 Performing Arts credit (course # 285)*

All students take four years of mathematics. In all classes, students communicate their mathematical thinking coherently and clearly and apply and adapt a variety of appropriate strategies, including data analysis, to solve real world problems. They use a graphing calculator on all levels and have daily homework (30–60 minutes in honors courses). Each student must own a graphing calculator (TI 84 Plus).

**505 Algebra I**

•9 required      •year  
•I credit      •10 mods

*Prerequisite: None*

Students solve linear, absolute value, literal and some quadratic equations; they find solutions to linear systems and inequalities. They graph linear and absolute value equations, find equations of lines and simplify and evaluate expressions involving polynomials.

**525 Geometry**

•9, 10 required      •year  
•I credit      •10 mods

*Prerequisite: Algebra 1*

Students study the shapes of two and three dimensional objects and analyze their properties and relationships. They recognize the logical structure of geometry and learn to define terms, test conjectures and construct proofs.

**530 Honors Geometry**

•9, 10      •year  
•I credit      •10 mods

*Prerequisite: Recommendation*

Students study in greater depth the traditional topics of Euclidean and coordinate Geometry with emphasis on the logical development of a mathematical system. They discover patterns, formulate conjectures and develop their reasoning skills, both inductive and deductive.

**533 Transitional Algebra**

•II      •year  
• I credit      •10 mods

*Prerequisite: Recommendation*

Students review and deepen their understanding of concepts learned in Algebra I and Geometry. They learn how to solve a variety of equations, find equations of lines and graph equations. Students examine functions and use graphing calculators to improve mathematical understanding and problem-solving skills.

**538 Algebra 2**

•10, II, I2 required •year  
I credit      •10 mods

*Prerequisite: Algebra 1 or Transitional Algebra*

Students will represent functions graphically, numerically, algebraically and verbally. Students will solve and/or graph a variety of equations: absolute value, quadratic, rational, radical and piecewise. They evaluate and simplify expressions involving rational and negative exponents, as well as radicals. This course also includes a study of matrices and conic sections.

**536 Honors Algebra 2**

•10, II      •year  
•I credit      •10 mods

*Prerequisite: B in Honors Geometry*

Students solve and graph quadratic equations, absolute value equations, and systems of linear inequalities. They use matrices for problem-solving and functions for describing, analyzing and organizing real-life information. They evaluate and simplify expressions involving rational and negative exponents, as well as radicals. They analyze and graph the conic sections and review right triangle trigonometry.

### 540 Mathematical Modeling & Applications

•II, I2                      •year  
•I credit                    •IO mods

*Prerequisite: Algebra 2*

Students review the algebra of relations and functions and apply it to real-world situations. They use mathematical skills in understanding finance as it applies to their lives. Co-ordinate geometry and triangle trigonometry are used to describe and apply geometric concepts in problem solving. Students also explore probability and statistical concepts and their uses in the real world.

### 545 Honors Precalculus/Trigonometry

•IO, II, I2                •year  
•I credit                    •IO mods

*Prerequisite: B in Honors Algebra 2*

To prepare for Advanced Placement Calculus, students study polynomial, logarithmic, exponential, trigonometric and rational functions, their properties, behaviors and graphs. They refine algebra and problem-solving skills and develop clarity of thought and expression.

### 555 Precalculus/Trigonometry

•II, I2                      •year  
•I credit                    •IO mods

*Prerequisite: C in Algebra 2 or Math Applications*

Students analyze and study polynomial, rational, exponential, logarithmic and trigonometric functions to prepare for college calculus. They will use these function models to solve a variety of real world applications.

### 558 Calculus

•I2                            •year  
•I credit                    •IO mods

*Prerequisite: B in Precalculus*

Students work with functions graphically, numerically, analytically and verbally. They study key topics in differential and integral calculus, emphasizing clear understanding, rather than broad coverage. Students will acquire a solid introduction to a college calculus course.

### 560 AP Calculus AB

•I2                            •year  
•I credit                    •IO mods

*Prerequisite: 80% in Honors Precalculus*

Students work with functions graphically, numerically, analytically and verbally. They study topics in differential and integral calculus in order to be adequately prepared for the Calculus AB examination. It is expected that students who take an AP course in calculus will seek college credit, college placement, or both, from institutions of higher learning.

### 565 AP Calculus BC

•I2                            •year  
•I credit                    •IO mods

*Prerequisite: 95% in Honors Precalculus or recommendation*

Students study all topics covered in Calculus AB plus limits and convergence of sequences and series, improper integrals., lengths of curves, partial fractions, and parametric, vector and polar functions. . The content of Calculus BC prepares the student for the Calculus BC examination, which gives credit in a course that is one course beyond that granted for Calculus AB.

### 585 AP Statistics

•II,I2                      •year  
•I credit                    •IO mods

*Prerequisite: B in Honors Algebra 2 or B in Algebra 2 and recommendation*

Students focus on statistical concepts and problem solving. They explore data, plan a study, anticipate patterns and employ methods of statistical inference. Use of the TI84 Plus calculator is incorporated throughout the course.

All students take four years of mathematics. In all classes, students communicate their mathematical thinking coherently and clearly and apply and adapt a variety of appropriate strategies, including data analysis, to solve real world problems. They use a graphing calculator on all levels and have daily homework (30-60 minutes in honors courses). Each student must own a graphing calculator (TI 84 Plus).

## PERFORMING ARTS DEPARTMENT

The performing groups offered by the Music Department include Freshman Chorus, Concert Choir, Chorale, Select Show Choir, Band and Orchestra. Each of these groups participate at Open House, Christmas, Winter and Spring Concerts. Advanced performing ensembles also participate in large group adjudicated. Extra-curricular performing options include Vocal Jazz and other specialized ensembles.

Members of these groups are expected to attend all rehearsals in preparation for these concerts, in addition to the concerts themselves. They are also encouraged to participate in District Solo and Ensemble.

### 272 Freshman Chorus

•9 •year  
• 1/2 credit •6 mods

*Prerequisite: None*

Freshmen are introduced to basic vocal skills and techniques for performing in a choral group. Selections consist of a variety of two and three part harmony. Students are also introduced to basic music theory and sight singing concepts.

### 278 Concert Choir

•10, 11, 12 •year  
• 1/2 credit •6 mods

*Prerequisite: None*

Students are introduced to basic vocal skills and techniques for performing in a choral group. Selections consist of a variety of two and three part harmony. Students continue in music theory and sight singing concepts.

### 280 Chorale

•11, 12 •year  
•1 credit •10 mods

*Prerequisite: Audition and 1 year choir experience*

Continued development of vocal skills takes place along with the performance of more challenging musical selections. Greater emphasis is placed on blending, balancing and tuning of the Chorale. Music includes three and four-part harmony reflecting many styles. The Chorale occasionally performs outside of the school for community events.

### 290 Select Show Choir

•10, 11, 12 •year  
•1/4-1/2 credit •3-5 mods

*Prerequisite: Audition & membership in Concert Choir or Chorale*

Show Choir provides a special opportunity to combine movement, rhythmic skills and vocal skills. Special performance opportunities include luncheons, banquets and community events.

*\*After-school rehearsals once a week on Thursday from 3:30-5pm are required.*

### 284 Dance I

•10, 11, 12 •semester  
•1/2 credit \* •10 mods

Students will learn about dance as a form of expression as well as a suitable lifetime activity. A variety of dance types will be included: jazz, modern, ballet, etc. This course is intended for beginning dancers.

*\* Optional 1/4 P. E. credit (course # 257)*

### 285 Dance 2

•10, 11, 12 •semester  
•1/2 credit\* •10 mods

*Prerequisite: B or better in Dance 1, at least 2 years of dance in the past 5 years and/or recommendation of the dance teacher*

Dance 2 is intended to expand the experienced dancer's strength, flexibility, balance, and endurance, with a special focus on musical awareness, technique, choreography, and performance in jazz, modern, and ballet.

*\* Optional 1/4 P. E. Credit (course # 258)*

### 286 Choreography

•11, 12 •semester  
•1/2 credit •10 mods

*Prerequisite: Audition or recommendation of Dance teacher.*

This course is designed to continue the education of an advanced dancer through choreography exploration, creation, technique and development. It will expand the student's strength, flexibility, dynamics, musicality and performance on a professional level—as a dancer and as a choreographer. Students will also develop an increased knowledge of dance design and choreographic skill through creative projects, teaching their creations for aesthetic design and ability to bring their creations to life, as well as critique of all choreographic design and development.

**292 Band**

- All
- I/2 credit
- year
- 6 mods/4 mods

*Prerequisite: 1 year playing experience*

Band is open to woodwinds, brass, and percussion instrumentalists. Students are introduced to music from all periods and styles. The band will participate in many school activities, such as assemblies and field trips.

**293 String Orchestra**

- all
- I/2 credit
- year
- 6 mods/4 mods

*Prerequisite: 1 year playing experience with string instrument*

Students are encouraged to develop their musical skills through performance. Music selections consist of a variety of styles in different types of orchestration. Students will develop the music theory and sight reading skills needed for performance.

**294 Class Piano**

- IO, II, I2
- I/2 credit
- semester
- IO mods

This is an introductory piano class for beginners only. Students will learn the basic skills for playing the piano as well as the music theory involved in reading music for performance. Students will also be able to create their own music while learning the mechanics of the instrument.

**295 Class Piano (9)**

- 9
- I/2 credit
- year
- 6 mods

This is an introductory piano class for beginners only. Students will learn the basic skills for playing the piano as well as the music theory involved in reading music for performance. Students will also be able to create their own music while learning the mechanics of the instrument.

**296 Class Piano 2**

- IO, II, I2
- I.2 credit
- semester
- IO mods

This piano class is a continuation of the piano skills learned from the first course. Students will continue to learn the skills for playing the piano as well as the music theory involved in reading music for a higher level of performance. Students will be challenged to

play more technical and difficult styles of music as well as be able to continue developing their own musical style and point of view.

**299 Drama I (9)**

- 9
- I/2 credit
- year
- 6 mods

*Prerequisite: None*

Students become familiar with stage directions, acting terminology, nonverbal communication and improvisation. They gain experience by performing monologues, dialogues, pantomimes, and improvisational activities. Daily participation, creativity and memorization are required in this course.

**300 Drama I**

- IO, II, I2
- I/2 credit
- semester
- IO mods

*Prerequisite: None*

Students become familiar with stage directions, acting terminology, nonverbal communication and improvisation. They gain experience by performing monologues, dialogues, pantomimes, and improvisational activities. Daily participation, creativity and memorization are required in this course.

**301 Drama 2**

- IO,II,I2
- I/2 credit
- semester
- IO mods

*Prerequisite: Drama 1*

Students in this performance-based class explore many aspects of theatre including its history, character analysis, characterization through voice and body, pantomime and improvisation. They build on performance skills through a variety of methods including monologues, short scenes, and one act plays. Daily participation, creativity and memorization are required in this course.

**302 Theatre Tech**

- II,I2
- I credit
- year
- IO mods

*Prerequisite: None*

Students discover the variety of behind the scenes theatre involvement. Research and hands on projects with regard to set design, construction, properties, scenic artwork, costuming, hair design, make up design, sound and light design are all options to explore within this course. Students will produce work that will be utilized in our school productions.

## SCIENCE DEPARTMENT

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Biology is required for all students. Several other full-year lab sciences are offered. Students are required to take at least two of these additional courses and are encouraged to take more.

Science students will generally be expected to complete reading assignments, related written exercises, and regular lab reports.

### 710 Biology I

•9 required      •year  
•I credit      •II mods

*Prerequisite: None*

Biology I provides a multitude of pathways to explore and understand the fundamental concepts and processes of life science. The six recurrent themes include: unity within diversity, evolution, energy, systems and interactions, and the nature of science. Biolabs, minilabs and critical thinking labs complement other skill-oriented exercises to help students develop higher-order thinking processes. Homework averages 20 to 30 minutes per night.

### 715 Honors Biology

•9      •year  
•I credit      •II mods

*Prerequisite: Recommendation*

The student will be more challenged by the depth pace of this course. Honors Biology will cover the topics included in a general biology course in greater depth using the molecular approach. Additional topics will be included. Emphasis will be placed on laboratory investigation with strategies to foster inquiry and problem analysis. Additional outside readings will be required. Homework should average 30 - 45 minutes per night.

### 720 Earth Science

•IO,II,I2      • year  
• I credit      •II mods

*Prerequisite: Biology*

Students will acquire an understanding of the inter-relationships between astronomy, oceanography, meteorology and geology. Students will develop their creative and critical thinking skills in a wide variety of activities that include individual research, laboratories and field trips that focus on local resources. Homework averages 30 minutes per night.

### 725 Environmental Science

•IO,II,I2      • year  
• I credit      •II mods

*Prerequisites: C in Honors Biology or Biology 1*

This one year lab course is a study of interrelationships between terrestrial, aquatic and atmospheric systems. It will examine, identify and analyze environmental problems both natural and human-made, including national and global perspectives. It links many scientific disciplines with emphasis on physical and biological principles. Students should expect 30-45 minutes of homework per night with additional independent projects.

### 735 Chemistry I

•IO,II,I2      • year  
• I credit      •II mods

*Prerequisites:*

*Sophomores: B in Algebra 1, B in Biology 1, 3.1 GPA ;*

*Juniors and Seniors: 2.5 GPA; must be taking or have taken Alg 2.*

The student will develop a fundamental understanding of the following: matter and change, basic concepts of atomic theory, knowledge of the periodic table, chemical calculations and chemical reactions. Laboratory investigations enhance the student's knowledge of the subject by hands-on activities. Students will be prepared to begin the first year of Chemistry at the college level after successfully completing this course. The student will be expected to do an average of 30 minutes of homework per night. This course does not meet the prerequisites for Advanced Placement Chemistry or Biology.

**740 Honors Chemistry**

- IO, II, I2                      • year
- I credit                        • II mods

*Prerequisites:* Sophomores: B in Honors Math and a B in Honors Biology for both semesters;

*Juniors and Seniors:* 3.0 science and mathematics GPA; must be taking or have taken Honors Algebra 2.

In this course, the student will be more challenged by the depth and pace of the course. The student will have the same proficiencies at the end of the course as the Chemistry I student, but will also have greater depth of understanding and will have had an introduction to other topics not covered in Chemistry I. Hands-on activities in the laboratory are an integral part of learning these concepts. Students must be highly proficient in Algebra in order to keep pace with the level of problem solving done in this class. The student will be expected to perform an average of 45 minutes of homework per night. Any student interested in pursuing a career in the physical sciences, medicine, nursing, veterinary medicine, physical therapy or engineering should consider taking this course. This course is a prerequisite for Advanced Placement Biology or Advanced Placement Chemistry.

**730 ChemCom**

- II, I2                            • year
- I credit                        • II mods

*Prerequisites:* Biology and recommendation of counselor

Chemistry in the Community (ChemCom) is designed primarily for college-bound high school students who do not plan to pursue careers in science. It emphasizes the impact of chemistry on society by addressing chemistry-related technological issues that are relevant to the community and society in which the student lives. Students learn chemical facts and concepts as they need them to understand the societal issues addressed in the course. This course does not meet the prerequisite for AP Chemistry, AP Biology, or Selected Topics. Students should expect 30 minutes of homework per night.

**737 Selected Topics In Advanced Chemistry/Biology**

- II, I2                            • year
- I credit                        • II mods

*Prerequisites:* C in Chemistry 1

**Students use college texts for more in-depth study of various topics introduced in Biology I and Chemistry I and for the study of new topics in both areas. Students will become familiar with the concepts of chemical calculations, gas laws, solutions, acids and bases, oxidation-reduction, biochemistry of foods and the anatomy and physiology of human body systems. Dissecting techniques and advanced laboratory techniques will be developed in this course. This is a one year science course designed for students interested in additional chemistry and biology concepts. Students should expect to average 30 to 45 minutes of homework per night. Students completing this course do not have the option to enroll in AP Biology or AP Chemistry.**

**742 AP Chemistry**

- II, I2                            • year
- I credit                        • II mods

*Prerequisites:* B in Honors Chemistry and recommendation of Honors Chemistry teacher

Advanced Placement Chemistry is designed to be the equivalent of the general chemistry course usually taken during the first college year. Students in this course should attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. Students will develop their abilities to think clearly and to express ideas orally and in writing with clarity and logic. Students should expect to average 60 minutes of homework per night.

**745 AP Biology**

•II, I2                      •year  
•I credit                    •II mods

*Prerequisites: B in Honors Chemistry*

The AP Biology course is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their first year. Students will acquire factual knowledge and develop analytical thinking skills necessary to deal critically with the rapidly changing science of biology. The goal of AP Biology is to provide a learning environment that enables students to develop a solid understanding of the principal concepts of Biology. Homework should average 60 minutes per night.

**750 Physics**

•II, I2                      •year  
•I credit                    •II mods

*Prerequisites: B in Algebra 2 or in Honors Algebra 2*

Student learning will focus on the studies of kinematics, dynamics and electricity. Students will be expected to actively participate in weekly laboratory investigations, which will be an integral part of the course. Students will develop both problem solving and analytical thinking skills. This course is recommended for any student expecting to major in engineering, pre-med., chemistry, biology or other technical fields. Students should expect to average 45 minutes of homework per night.

**753 Conceptual Physics**

•II, I2                      •year  
•I credit                    •IO mods

*Prerequisites: 2 years of science*

Conceptual Physics is a descriptive course designed primarily for the college-bound students who do not plan to pursue careers in science. Students will learn the basic laws and principles of Physics and become aware of how they can be experienced or demonstrated. It challenges students to appreciate and differentiate among major scientific ideas and emphasizes qualitative rather than quantitative analysis.

**755 Honors Physics**

•II, I2                      •year  
•I credit                    •II mods

*Prerequisites: B in Honors Algebra 2*

Students who opt to take this challenging course will conduct more in-depth mathematical and theoretical analysis of principles and laboratory data than is done in regular Physics. A college level textbook is used in the course and there will be additional topics which are not included in regular physics, such as angular motion and static equilibrium. Students must be highly proficient in Algebra and Trigonometry in order to keep pace with the level of problem solving done in the course. Students should maintain at least a 3.0 GPA to consider this course, and should expect to average 60 minutes of homework per night.

## SOCIAL STUDIES DEPARTMENT

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Three years of Social Studies are required for all students. These requirements include World History or AP World History for sophomores, Economics or AP Economics and Government for juniors, and United States History or AP United States History for seniors. Electives are offered for enrichment and pursuit of specialized areas.

Assignments involve reading of the text and supplementary materials including current events sources and completion of individual and group projects related to the units of study.

### 820 World History

- IO required      •year
- I credit          •IO mods

*Prerequisite: None*

World History is a survey course in which students will trace the development of civilization to the contemporary era while placing emphasis on eighteenth through twentieth centuries. The course will allow students to view past events in light of historical perspective, geography, economics, government, culture and society. Students will discuss cause-effect relationships, events, issues, concepts, and cultures. A primary goal of this course is to help students utilize the tools, processes, methods, and techniques to think historically. Emphasis will be placed on skill development and the use of primary resources.

### 824 AP World History

- IO                      •year
- I credit              •IO mods

*Prerequisite: A or B in Honors Freshman English or A in Freshman English*

The equivalent of a full year introductory college survey course, AP World History provides students with the opportunity to develop a greater understanding of the evolution of global processes and contacts in interaction with different types of human societies.

The course takes in important common trends such as trade, religion, politics, society, intellectual development, gender structure and technology. Students study how these trends have either remained the same or have changed over time in different areas of the world. Students also enhance their analytical abilities and critical thinking skills by reading and interpreting primary sources in order to understand historical and geographical content.

### 830 Economics

- II required          •semester
- 1/2 credit           •IO mods

*Prerequisite: None*

Students explore the fundamentals of economics with application to current concerns including types of economies, the stock market, supply and demand, types of business organizations, the federal reserve system, personal finances and the filing of income tax forms.

### 833 AP Macroeconomics

- II                      • 2nd semester
- 1/2 credit           •IO mods

*Prerequisite: A in AP World History and A or B in Honors level math taken as a sophomore or A in academic level math. A student with a B in AP World History or A in World History may qualify with a recommendation from her social Studies teacher.*

Students will explore the basic principles of macroeconomics at a rigorous pace. Course concepts include: the nature of economics (including cost benefit analysis); measuring economic performance using various indicators; aggregate demand and aggregate supply; fiscal policy; monetary policy and economic stability; and international trade and finance. A strong emphasis will be placed on student construction and analysis of graphs to explain economic concepts. Students are required to purchase a workbook.

**835 Government**

- II required                      •semester
- I/2 credit                        •IO mods

*Prerequisite: None*

Juniors investigate the concepts and structure of the American system of government by studying the Constitution. Current events are related to the topics under consideration.

**837 AP Government**

- II                                      •2<sup>nd</sup> semester
- I/2 credit                        •IO mods

*Prerequisite: A or B in AP World History and AP World History teacher recommendation*

This course explores the political theory and everyday practice that direct the daily operations of our government and shape our public policies. This course is for all intents and purposes taught on a college level and it requires a substantial amount of reading and preparation for every class. The objectives of this course go beyond a basic analysis of how our government “works.” Student will develop a critical understanding of the strengths and weaknesses of the American political system, as well as their rights and responsibilities as citizens.” Topics include constitutional underpinnings of the U.S. government, political beliefs and behaviors, political parties, interest groups and mass media, federal institutions, public policy, and civil rights and liberties.

**840 United States History**

- I2 required                      •year
- I credit                            •IO mods

*Prerequisite: None*

United States History is a survey course designed to trace the development of contemporary America from the colonial period. The course addresses foreign policy as well as domestic developments. During the year, assignments require the student to further develop research skills while becoming more familiar with primary and secondary sources.

**845 AP United States History**

- I2                                      •year
- I credit                            •IO mods

*Prerequisite: A in AP World History; Students with a B in AP World History or A in World History may qualify only with a teacher recommendation.*

Advanced Placement United States History “is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials of United States History. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials – their relevance to a given interpretive problem, their reliability, and their importance and to weigh the evidence and interpretations presented in historical scholarship.” Skills are developed that are necessary “to arrive at conclusions on the basis of an informed judgment and to present reasons clearly and persuasively in essay format.” (*The College Board, United States History: Course Description, May 2004, 3*).

**850 Psychology**

•II, I2                      •semester  
 •1/2 credit                •10 mods

*Prerequisite: None*

Students learn about the ways in which an individual develops an awareness of the world, the ways individuals interact with one another, and society’s inevitable influence on the individual’s behavior. Discover new ways of looking at and interpreting your behavior as well as that of others.

**855 Sociology**

•II, I2                      •semester  
 •1/2 credit                •10 mods

*Prerequisite: None*

Human relationships at every level of society are analyzed from the small group of two or more people to the five major institutions in society: family, religion, government, economic system and education. Students will discuss whether or not aspects of these institutions are designed to maintain an inequitable distribution of resources.

**860 Human Geography**

•II, I2                      •semester  
 •1/2 credit                •10 mods

*Prerequisite: World History*

Human geography is the study of people and their relationship with and impact on the environment. It includes the examination of culture, economics, politics and religion in relation to location and movement. “We live in an age of increasing globalization. People and economies throughout the world are interconnected as never before. Nevertheless our world remains a jigsaw of countries, a patchwork of religions, a Babel of thousands of languages, a mosaic of innumerable customs and traditions. Ours still is a world of endlessly diverse places, most of which are birthplaces. Understanding and explaining this diversity is the mission of human geography.” (*H.J. deBilj, Human Geography: Culture, Society and Space, 3*)

The arts taught at Magnificat High School enable all students to experience their vision and imagination in a way that gives meaning to their lives. They make possible an awakening of spirit that knows no bounds and enkindles an awareness of themselves and their own imagination. Their development of intuition and creativity fosters curiosity and understanding of the world as well as new visions for the future.

All students can enjoy and profit from art electives. Art skills carry over to and are invaluable in problem solving in math and science and provide cultural background for English, social studies and languages. Courses include field trips to museums, galleries and studios and in-school demonstrations by visiting artists.

### 201 Art Experiences

•9 •year  
•1/2 credit •6 mods

*Prerequisite: None*

Art Experiences opens the door to understanding the visual language and tools artists use to create Art, enabling each student to then discover the artist within herself. Students will see many different ways artists can, and do make art and have short, hands on experiences with: design tools, drawing with pencil and color, painting in watercolor and acrylic, using ceramic low fire clay, using printmaking techniques, making jewelry or sculpture as well as looking at architecture. Students will become familiar with historic and contemporary artists and movements and will come to appreciate the art they will encounter throughout life. Whether beginning as an artist or non-artist, each student will grow in confidence in the value of her own observations, interpretations and responses to the Visual Arts.

### 202 Introduction to Studio Art

•9 •year  
•1/2 credit •6 mods

*Prerequisite: None*

This course serves the beginning art student who is seriously interested in growing her artistic experience by exploring the visual arts in a more studio type setting. This course will build upon the students' strong interest and foundational experiences of making art

and her desire to stretch and grow in her ways of visual expression. She will explore various art techniques as she learns more about the language of art and comes to understand the processes of making it. She will learn how the art studio environment functions with every participant becoming actively involved in learning to use her own visual voice and sharing her artistic expression. She will learn how to be involved in a creative arts community through peer support and class critiques.

### 205/206/207/208

#### Studio Art: Drawing & Painting I, 2, 3, 4

•IO, II, I2 •semester  
•1/2 credit •IO mods

*Prerequisite: Previous level to move to the next level.*

These courses are geared toward the student who is interested in participating in a studio experience that focuses on growing her ability and development within the specific area of Drawing and Painting. The student will be given studio opportunities and projects involving the development of visual thinking and growing observational skills. She will gain experience and skill in observational interpretations of still-lives, landscapes, figures and portraits through the use of various drawing and painting media. She will look toward the works of the Masters, from traditional to modern, for ideas on how to handle problems of composition and style. As each student grows in her own techniques she will be encouraged to advance in trying a range of painting styles. Each student will be encouraged to showcase her own translation of thoughts and experiences into her unique visual expression through the compilation of her own cumulative portfolio which will showcase her personal style. Her own creative voice will grow and be strengthened through the studio community created. The multiple experiences will encourage new insights and inquiry through peer support and class critiques.

### 215 2 - Dimensional Design

•IO,II,I2                      •semester  
•I/2credit                      •IO mods

*Prerequisite: None*

Design is the foundation for all the arts. This class will delve into the structure of 2-dimensional design. Students will use a variety of media both traditional and electronic, for example, computers, photography, Xerox, markers, pencils and paints. Through the manipulation of these materials, students will construct visually intriguing designs. Students will learn to interpret media images while exploring the exciting and dynamic processes of 2-dimensional creation.

### 216 3 - Dimensional Design

•IO,II,I2                      •semester  
•I/2credit                      •IO mods

*Prerequisite: None*

This course invites the student to examine the many aspects of their world and interpret a response, using the elements and principles of design in 3-dimensions. The diverse range of media, which may include wood, plaster, wire, papers, paints and plastics, will be manipulated to construct solutions and responses to an array of design problems. Projects may include the abstraction of everyday objects, masks, responses to world events, 1/3 sized body sculptures in an environment and mobiles.

### 227 Embellished Surfaces I

•IO, II, I2                      •semester  
•I/2 credit                      •IO mods

*Prerequisite: None*

Personal expression and art skills for life are developed through the manipulation of a variety of media, which may include fabrics, decoupage, floss, wire, beads, papers, paints, dyes and other embellishments for the student's specific surfaces. Techniques that are employed in the creation of her projects may include: bookmaking, fabric painting, beading, stitching, painting furniture and sewing by hand and on the machine.

### 228 Embellished Surfaces 2

•II, I2                              •semester  
•I/2 credi                      •IO mods

*Prerequisite: Embellished Surfaces 1 (Surface Design 1)*

Using the skills learned in Surface Design I, the students will create select pieces of art, mindful of employing excellent design choices and impeccable craftsmanship. A wide array of techniques and media will be used and the students will be used and the students will immerse themselves in a sustained creative endeavor such as a quilt, a set of furniture, a series of books or memory boxes, etc. These projects will show the depth of the student's understanding of the integration of the art elements and principles of design in their specific artworks. Students will also research the historical and cultural aspects of their work.

### 225 Photography I

•II,I2                              •semester  
•I/2 credit                      •IO mods

*Prerequisite: None*

This course introduces the student to knowledge of both 35 mm and digital photography. Because students will concentrate on understanding 35 mm camera controls and learning darkroom procedures, a 35 mm camera will be available for her use. A study of the masters of photography will provide students with models for their own artistic and creative use of the camera. Students will design and produce an artistic digital production integrating the elements and principles of design and creative/critical problem solving. Students will correlate a sequence of visual images with audio components.

### 226 Photography 2

•II,I2                              •semester  
•I/2 credit                      •IO mods

*Prerequisite: Photography 1*

Students focus on and become more proficient in a particular area of interest, such as portraits, nature or structure in architecture. A greater stress will be placed on traditional chemical developments and 35mm photography. School owned cameras will be available for students to sign out for homework shooting assignments.

### 233 Clayworks I

•IO, II, I2                      •semester  
 •I/2 credit                      •IO mods

Prerequisite: None

Students will make a variety of clay vessels using the pinch, coil and slab methods. Special attention will be given to the clay's surface through imprinting, glaze selection, etc. The focus of this course is on hand building techniques and craftsmanship. Projects may include vases, Japanese tea bowls, rattles, mugs, pockets and a variety of other 3-dimensional artworks.

### 237 Clayworks 2

•II, I2                              •semester  
 •I/2 credit                      •IO mods

Prerequisite: *Clayworks 1*

Students will practice advanced techniques with the basic hand building methods of pinch, coil and slab. They will also be introduced to throwing on the wheel to form aesthetic and functional vessels. Global sources will be studied for their rich heritage. Techniques for throwing, trimming and balancing will be learned. Experimentation with glazes and surface design of the clay will be encouraged.

### 231 Metals/Jewelry I

•II, I2                              •semester  
 •I/2 credit                      •IO mods

Prerequisite: *None*

Students will learn the basic principles used to create objects of adornment, which has been done since the beginning of time. They will create their own "One of a Kind" pieces of jewelry, such as rings, pendants, bracelets, and earrings. They will learn the basics of metal-smithing and beading. Language and tools unique to jewelry will be introduced as students work toward growing in craftsmanship and design.

### 232 Metals/Jewelry 2

•II, I2                              •semester  
 •I/2 credit                      •IO mods

Prerequisite: *Metals/Jewelry 1*

Students will be given assignments that build upon the foundational experiences of Metals/Jewelry I. Students are now expected to work more independently. They will be required to continue to develop in their craftsmanship and expand their own creative vision by planning and creating a more intricate metal/jewelry object or pieces that relate to each other as in a set.

### 239 AP Art History

•II, I2                              •year  
 •I credit                         •IO mods

Prerequisite: *None*

The student will increase her appreciation and love of art by delving into the wonderful and diverse creations of other human beings. Experiences in this course will help each student deepen her understanding of how people express themselves through images. This is a survey course of the history of art. Since art is a history of the society that produced it, the student will learn relationships between art and culture: economics, entertainment, religion, politics, and other interdisciplinary relationships.

The World Language Department offers the opportunity for four years of study in Arabic, Chinese, French and Spanish, including courses in Advanced Placement in French and Spanish. In 2009-2010 Arabic I and Chinese I were added to the curriculum, and an additional level will be added each year thereafter. Two consecutive years of the same language are required, however students are encouraged to complete a full four year program in the language of their choice. Magnificat students have the unique opportunity to practice listening, speaking, reading and writing through the use of digital recording equipment in a computerized language lab.

The World Language curriculum is based on the National Standards for World Language Learning and the Ohio Academic Content Standards for K-12 Foreign Language. These standards incorporate the teaching of formal and informal communication, cultural practices and perspectives, interdisciplinary connections, linguistic comparisons, and opportunities to recognize world languages and cultures in the community.

**610 Spanish I / 615 French I**

•9 •year  
• I credit •10 mods

*Prerequisite: None*

First level students will develop the skills to communicate by listening, speaking, reading and writing. They will gain knowledge and understanding of other cultures, explore the structure of language, make connections with other disciplines, and become aware of Spanish and French influence in the community.

**616 Chinese I**

•9 •year  
•I credit •10 mods

*Prerequisite: None*

First year students will learn to speak Mandarin Chinese, to distinguish tonal sounds, and to read and write using pinyin to transition to Chinese characters (approximately 300). Students will use the characters they learn to write sentences. They will also gain knowledge and understanding of linguistic and cultural variations of the Chinese-speaking world, and become aware of Chinese influence in the community.

**617 Arabic I**

•9 •year  
•I credit •10 mods

*Prerequisite: None*

First year students will learn to speak Modern Standard Arabic, read from right to left, and use the Arabic alphabet to write in cursive handwriting, which incorporates rules for connecting letters. They will gain knowledge and understanding of linguistic and cultural variations of the Arabic-speaking world, and become aware of Arabic influence in the community.

**620 Spanish 2 / 625 French 2**

•9,10 •year  
•I credit •10 mods

*Prerequisite: Successful completion of French 1/Spanish 1*

Second year students continue to develop language skills by listening, speaking, reading and writing in Spanish or French. Verb tenses, sentence structure and cultural perspectives and practices taught in the first year will be further developed. New vocabulary as well as grammatical concepts and linguistic comparisons will be introduced through a variety of communicative tasks including dialogues, compositions, creative projects, and lab practice for listening and speaking. Concepts continue to be presented in a cultural context, including geography and communities.

### 627 Arabic 2

•9, 10                      •year  
•1 credit                    •10 mods

*Prerequisite: Successful completion of Arabic 1*

Second year students continue to develop language skills by listening, speaking, reading and writing in Arabic. Verbs, sentence structure and cultural perspectives and practices taught in the first year will be further developed. Students will continue to learn pronunciation, and the rules for writing and connecting letters in cursive. New vocabulary as well as grammatical concepts will be introduced through a variety of communicative tasks including dialogues, creative projects, and lab practice for listening and speaking. Concepts continue to be presented in a cultural context, including geography and communities.

### 626 Chinese 2

• 9, 10                      • year  
• 1 credit                    • 10 mods

*Prerequisite: Successful completion of Chinese 1*

Second year students continue to develop language skills by listening, speaking, reading and writing in Chinese. Verbs, sentence structure and cultural perspectives and practices taught in the first year will be further developed. Students will continue to learn pronunciation and approximately 400 additional Chinese characters. New vocabulary as well as structural concepts will be introduced through a variety of communicative tasks including writing paragraphs and dialogues, preparing creative projects, and practicing listening and speaking in the lab. Concepts continue to be presented in a cultural context, including geography and communities.

### 630 Spanish 3 / 635 French 3

•10, 11                      •year  
•1 credit                    •10 mods

*Prerequisite: C average in 2nd year and teacher recommendation*

Third year students acquire a broader and deeper understanding of language as they effectively integrate learned structures and vocabulary to further develop proficiency in listening, speaking, reading and writing. Students will use the language they have learned by reading excerpts from literature, writing compositions and participating in projects and presentations.

### 642 Spanish 4 / 647 French 4

•11, 12                      •year  
•1 credit                    •10 mods

*Prerequisite: B average in 3rd year and teacher recommendation*

French 4/Spanish 4 offers students the challenge of advanced foreign language study in the areas of literature, conversation and written expression. Previously learned grammatical structures are enhanced and further developed. Increased opportunities for cultural exploration are incorporated.

### 652 Independent Study in Advanced Spanish/French

• 12                              • semester  
• 1/2 credit                    • 10 mods

*Prerequisites: Spanish 4 or AP Spanish or AP French*

This course is designed for students who have completed four years of Spanish or French before their senior year. Students will explore language, literature and select topics by theme. Themes will be agreed upon based on the interests and needs of the students. Assignments and assessments will be individualized. The inspiration, ingenuity, and personal learning style of each student will be considered.

### 660 AP Spanish

•II, 12                      •year  
 •I credit                    •10 mods

*Prerequisite: 3.5 average in Spanish 3  
 and teacher recommendation*

Students prepare for the Advanced Placement Exam by working toward competency in the integration of learned structures, and listening, speaking, reading and writing skills. Students communicate on a variety of topics in formal and informal settings. There is an emphasis on the use of authentic materials, offering students the opportunity to listen to native speakers, read literary works, and explore written, audio and video sources on the Internet. The language laboratory is key in providing students Spanish language resources, varied practice, and the capability to record and evaluate their progress.

### 665 AP French

•II, 12                      •year  
 •I credit                    •10 mods

*Prerequisite: 3.0 average in French 3  
 and teacher recommendation*

This advanced French course combines French 4 and AP French. Students prepare for the AP French Language Exam by working toward competency in listening, speaking, reading and writing. They do a complete study of French grammar so that they can correctly use the language in speaking and writing. They learn additional vocabulary and practice using the language in a variety of settings. There is emphasis on the use of authentic materials, which provide practice in listening, and reading and which provide a basis for conversation and discussion. The language laboratory is used to provide access to authentic materials and to give students an opportunity to listen to native speakers in a variety of settings. The lab also allows students to record and correct their own oral work and gives students individualized feedback from the teacher.

## FINANCIAL INFORMATION

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Education is provided to Magnificat High School students by a broad group of individuals committed to the Catholic high school education of young women in the tradition of the Sisters of the Humility of Mary. The 2009/10 per student cost of Magnificat's education is \$11,100. The tuition charged, which 61% of parents pay in full, is \$9,800. 287 families receive tuition assistance.

Parents, alumnae, past parents, board members, friends of Magnificat and even students combine efforts through a variety of fundraising vehicles to guarantee that the difference between the actual cost of a Magnificat education and the tuition charged is made up. The Night-in-Blue raffle and bazaar is held annually on the first weekend in November. Through the committed efforts of the Fathers' Club, Mothers' Club and students, approximately \$200,000 was raised this year. Their enthusiastic support continues to make this event a success year after year. Additionally, those parents who can afford to do so are asked to make a tax deductible contribution to the school, above and beyond the cost of tuition, through the Parent Appeal.

As an expression of their appreciation for the education they receive, the Alumnae Association began the Alumnae Scholarship Appeal in 1983. Annually, these dedicated women raise monies to be used to augment the school's financial aid budget. Last year, approximately \$80,000 was realized through their efforts.

A special event, The Magnificat Endowment Gala, is held each year in the spring. All monies raised for the benefit of the Magnificat High School endowment fund are earmarked for financial aid.

## FINANCIAL POLICIES

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Magnificat High School offers two methods for payment of tuition and fees: Payment in advance or enrollment in the SMART Tuition Plan. For payment in advance, tuition is billed in June and the entire balance is due on or before July 1. The SMART Tuition Management Plan allows parents/guardians to choose a semi-annual (2 payments due July and January), quarterly (4 payments due July, October, January, April) or monthly payment plan (10 payments due each month July through April). Financial aid, scholarships and other tuition reductions are applied over the billing cycle.

Magnificat's payment policies require that payments be made on time. The prompt and timely payment of all tuition allows the school to operate in a responsible manner. A service charge of the first full month's tuition will be retained for withdrawals after July 1 but before the first day of school. A late payment fee of \$15 will be assessed for payments not received within 10 days from the payment due date. Students who are behind in tuition may be excluded from participation in certain extracurricular or athletic activities.

Report cards, transcripts and diplomas are withheld for students who owe any tuition, fees, fines or other assessments. Students with unpaid balances at the end of the school year are not recognized as enrolled in the following year until such balance is paid in full and will not be considered for financial aid, scholarship and/or other tuition reductions. Participation in athletics and/or extracurricular activities is open only to enrolled students. No tuition or fees may carry over from one year to the next.

In the event of a student's withdrawal from Magnificat High School after school has begun, tuition is due for each quarter she has been enrolled. Financial aid and scholarships will be prorated accordingly.

## FINANCIAL ASSISTANCE

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### Tuition Reduction Grants

**Application must be made each year.**

- ◆ Applications available in Main Office January 10
- ◆ Application deadline April 1
- ◆ Notification of grant estimate After May 15

**Return application to  
Private School Aid Service,  
P.O. Box 770728, Lakewood, Ohio 44107**

As a result of the efforts of the Alumnae Association, the Endowment Fund, the Fathers' and Mothers' Club, and the Sisters of the Humility of Mary, tuition reduction grants and scholarships are available. Tuition Reduction Grants, awarded according to a family's financial need, are available to any student currently attending Magnificat High School. Evaluations are made by Magnificat High School in conjunction with Private School Aid Service, an independent organization which analyzes a family's ability to pay for private education. **Parents must submit a confidential Student Aid Form and a copy of their previous year's tax return to Private School Aid Service.**

### SCHOLARSHIPS

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Students in good standing retain their scholarships for their four years at Magnificat. A new PSAS form must be completed each year to qualify for renewal of the scholarship. Address or direct all questions to Mrs. Julie Melvin, Director of Finance Magnificat High School, 440-331-1572.

## SCHEDULE CHANGES

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Scheduling procedures are carried out with great detail and care to ensure maximum support of student learning and success in the light of the total program. Student course registration is finalized in March in order to plan resources effectively. Considerations of scheduling factors including balance of class sizes, course enrollments, unscheduled time, staff assignments, and time spent in counseling procedures make requests for changes in courses an extraordinary exception. All such requests will be evaluated according to the following stipulations.

1. Requests for schedule changes for first semester and year-long courses must be initiated no later than September 3, 2010. **NO COURSES WILL BE DROPPED AFTER THIS DATE.** (This is the only time when year-long courses may be dropped or changed.) Requests for second semester course changes must be made no later than January 21, 2011. **NO CHANGES AFTER THIS DATE.**
2. Requests for scheduling considerations initiated by the student and her parent after April 1 require a \$30.00 fee.
3. Schedule changes will be considered if and only if the student meets the prerequisites for the course requested.
4. No course may be approved for addition to a student's schedule if it conflicts with already assigned classes or negatively impacts class sizes.
5. Each student must carry 6 credits each year, including 3 credits each semester. Seniors must fulfill graduation requirements.
6. Scheduling requests involving course section and teacher changes will not be honored since teacher assignments and length of school day (8:15-3:05) are unalterable factors.
7. Our scheduling system does not allow students selecting semester courses to choose which semester they want to take the course.
8. A student must follow her original schedule until she is officially notified of the change by receiving a new schedule from Guidance.
9. A teacher must have received an official written notice from Student Information Services before admitting a student to class.

## ADMINISTRATION

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Sr. Carol Anne Smith, H.M.,  
President/Principal  
scasmith@magnificaths.org  
440.331-1572

Sr. Helen Jean Novy, H.M.  
Vice President of Mission  
srhjnovy@magnificaths.org  
440.331-1572

Mrs. Moira Clark  
Dean of Students  
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440.331-1572

Ms. Marilyn Arundel  
Academic Dean  
marundel@magnificaths.org  
440.331-1572

Mrs. Lynn Nock  
Registrar/Director of Technology  
lnock@magnificaths.org  
440.331-1572

## COUNSELING SERVICES DEPARTMENT

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Mrs. Karen Seavers, Director  
Counselor (Class of 2011, 2013)  
kseavers@magnificaths.org  
440.331-3595

Mr. David Pohlman, College Counselor  
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Mrs. Mary Rose, Counselor (Class of 2012)  
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Mrs. Kathleen Koci, College Counselor  
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Miss Nora McDermott, College Counselor  
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Mrs. Diane Pacella, School Psychologist  
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440.356-6028