

REGINA LUMINIS ACADEMY GRADE EIGHT CURRICULUM

Course Name: Religion 8

Grade: 8

Text: *Our Life in the Church* (FL)

Baltimore Catechism II (BC)

Holy Bible (RSV-Catholic)

Betz, Eva: *Priest on Horseback: Father Farmer*

Derleth, August: *Fr. Marquette & the Great River*

Prerequisite: None

Description:

Religion 8 is a course on the history and nature of the Church, the Christian vocation, the call to holiness and the end of life. Besides the primary text, students will read corresponding sections from the Baltimore Catechism, as well as the lives of four holy Catholics.

Objectives:

Students will learn about:

1. The history and nature of the Church.
2. The role of the Christian in the world and the call to holiness.
3. The Last Things.
4. The lives of holy Catholics and saints.
5. Memorize Bible history timeline.

Scope & Sequence:

1. The Church:
 - Birth of the Church
 - Nature of the Church
 - The Church teaching and governing
 - Hierarchy
 - Sacraments and Worship
 - Mary, Mother of the Church
 - Communion of Saints, Saints in Heaven
 - Protestants and Eastern Orthodox; Jews
2. The Call to Holiness:
 - Live of Virtue
 - Works of Mercy
 - Religious Life and Priesthood
 - Lay Apostolate
 - Marriage and Family
 - In the World—Law & Conscience, the Social Order
 - Prayer
 - Sacramental Life
3. Last Things:

- Particular Judgment
 - Second Coming
4. Bible timeline
 5. The lives of :
 - Father Farmer
 - Father Marquette

Name: Algebra I

Grade: 8 & 9

Text: Brown, Dolciani, Sorgerfry, Cole: *Algebra Structure and Method Book I*

Prerequisite: Algebra 1/2

High School Credit: 1 credit Track I (Track II if taken in grades 11 or 12)

Description:

This is the first in a three-book series designed to prepare students for calculus. Concentration is on the fundamental aspects of problem solving and introducing topics specific to Algebra.

Objectives:

Students will master all topics in *Algebra I*, including working with real numbers, solving equations, working with polynomial equations, factoring, functions and quadratic equations.

Scope & Sequence:

1. Introduction to Algebra
 - 1.1. Variables and Equations
 - 1.2. Applications and Problem Solving
 - 1.3. Numbers on a Line
2. Working with Real Numbers
 - 2.1. Addition and Subtraction
 - 2.2. Multiplication
 - 2.3. Division
3. Solving Equations and Problems
 - 3.1. Transforming Equations
 - 3.2. Solving Problems
 - 3.3. Extending Problem Solving Skills
4. Polynomials
 - 4.1. Addition and Subtraction
 - 4.2. Multiplication
 - 4.3. Problem Solving
5. Factoring Polynomials
 - 5.1. Quotients and Factoring
 - 5.2. Products and Factors
 - 5.3. Factoring Patterns
 - 5.4. General Factoring and Its Application
6. Fractions
 - 6.1. Algebraic Fractions
 - 6.2. Adding and Subtracting Fractions
 - 6.3. Polynomial Division
7. Applying Fractions
 - 7.1. Ratio and Proportion
 - 7.2. Fractional Equations

- 7.3. Percent Problems
- 7.4. Mixture and Work Problems
- 7.5. Problems Involving Exponents
- 8. Introduction to Functions
 - 8.1. Using Two Variables
 - 8.2. Linear Equations
 - 8.3. Functions
 - 8.4. Variation
- 9. Systems of Linear Equations
 - 9.1. Solving Systems of Linear Equations
 - 9.2. Applications
- 10. Inequalities
 - 10.1. Inequalities in One Variable
 - 10.2. Combining Open Sentences
 - 10.3. Inequalities in Two Variables
- 11. Rational and Irrational Numbers
 - 11.1. Rational Numbers
 - 11.2. Irrational Numbers
 - 11.3. Radical Expressions
- 12. Quadratic Functions
 - 12.1. Quadratic Equations
 - 12.2. Using Quadratic Equations

Course Name: Latin I

Grade: 8 or 9

Text: Henle: *First Year Latin* (Units I-VII), Henle: *Latin Grammar*.

Enrichment: Reading of *Lingua Latina*.

Prerequisite: None, but Elementary Latin VII recommended if taking in grade 8.

High School Credit: Honors, 1 credit

Description:

A first-year high school course in the basics of Latin grammar and vocabulary.

Purpose:

Student will obtain:

1. Strong foundation of Latin vocabulary of approximately 325 words.
2. Ease with Ecclesiastical Latin pronunciation.
3. Increased English vocabulary by knowing Latin roots.
4. Increased understanding of English grammar through analysis of Latin grammar.
5. Introduction to Latin grammar and syntax.

Scope and Sequence:

1. Daily memorization of vocabulary.
2. Forms for the five noun declensions and cases.
3. Adjectives of the first, second and third declensions.
4. Verb 1st, 2nd, 3rd and 4th conjugations, active indicative, present, imperfect and future. Also, perfect and pluperfect.
5. Present and perfect system passive indicative, 4 conjugations.
6. Present, perfect and imperfect subjunctive.
7. Relative, personal and interrogative pronouns.
8. "Sum" present, imperfect and future indicative active.

Course: Music 8

Grade: 8

Experience Classical Music

Students will:

- Classify music by periods
- Identify instrumentation
 - Tonal
 - Timbral
 - Temporal
 - Dynamic
- Make inferences and predictions about music

Elements of Music/ Theory

- Learn about operatic forms
 - Opera Seria
 - Opera Buffa
 - Bel Canto
 - Verismo
 - Wagnerian
- Learn about
 - Trills
 - Mordents
- Recognize key changes
- Recognize and identify modes through notation and listening
- Understand chord progressions within all functions
- Identify key signatures
- Compose and notate music using
 - Trills
 - Mordents
 - Upper/ lower neighbor
 - Appoggiatura
 - Dynamics and articulations
 - Correct notation
 - Correct key
- Transcribe all intervals and rhythms
- Notate chord progressions in varying keys
- Understand anatomy of vocal production
- Understand and Read Gregorian chant simple Neums (see 7th grade)

Performance/ Creativity/ Expression

- Students work in small group, ensemble and whole class musical performances
- Perform compositions
- Improvise melodies and rhythms in various keys and modes
- Sing with proper defined skill in 4-part harmony and in different languages
- Sight sing
- Create and improvise descants and ostinati for simple songs
- Sing in designated voice parts
- Identify mode he or she is in
- Assess work of classmates using vocabulary
- Evaluate own work
- Recognize key changes
- Compose melody in various modes

- Conduct in various patterns

Course Name: English 8

Grade: 8

Text: Campbell & Macnickle: *Voyages in English 8*
Institute for Excellence in Writing C
 Daly: *The First Whole Book of Diagrams* (Teacher Only)
The Harp and the Laurel Wreath (Dialectical, pp. 143-216)
 Poe, Edgar Allen: *The Raven*
 Wallace, Sr. M. Imelda: *Outlaws of Ravenhurst*
 Irving, Washington: *Sketchbook (Selections)*
 Twain, Mark: *Huckleberry Finn*
 Doyle, Sir Arthur Conan: *The Red-Headed League; The Five Golden Pips*
 Dickens, Charles: *A Christmas Carol*
 Commager & Ward: *America's Robert E. Lee*
 Stowe, Harriet Beecher: *Uncle Tom's Cabin*
 Alcott, Louisa May: *Little Women*
 Keller, Helen: *Story of My Life*
 London, Jack: *Call of the Wild; To Build a Fire*
 O. Henry: *The Gift of the Magi, The Ransom of Red Chief*
 Crane, Stephen: *The Red Badge of Courage*
 von Trapp, Maria: *The Story of the Trapp Family Singers* (Part I only)
 Shakespeare: *Macbeth*

Prerequisite: None

Description:

English 8 is a course in English grammar, composition, modern Western literature, and poetry, from the discovery of America by Columbus until today.

Objectives:

English 8 is designed to teach students to speak and write correctly and effectively. Students should progress, at this level, to an understanding of English grammar that should suffice for a lifetime of general usage, and at the same time, to develop composition skills that are necessary for further education. These skills include developing thoughts in a logical manner, both for speaking and writing; writing narrative, informative, descriptive, and persuasive paragraphs and essays; test taking; and writing for different purposes, such as newspaper articles, letters, a research report, and about literature.

This course will introduce the student to literature in a deeper, more rigorous fashion than previous reading courses. Students will not only read for content and be able to answer factual questions about the readings, but will also analyze what they read, draw inferences, connections and conclusion.

Students will also commit to memory, at least once per quarter, a poetic piece and recite it orally to the class or Forum and will add to their poetry notebooks.

Scope & Sequence:

1. Composition—Per IEW
2. English Grammar
 - Punctuation
 - Capitalization
 - Nouns
 - Pronouns

- Adjectives
- Verbs
- Participles, Gerunds, Infinitives
- Adverbs
- Prepositions, Conjunctions, Interjections
- Phrases
- Clauses
- Sentences

3. Reading of literature with short papers on topics concerning the literature:

The Raven

Outlaws of Ravenhurst

Sketchbook (Legend of Sleepy Hollow, Rip Van Winkle)

Huckleberry Finn

Adventures of Sherlock Holmes (The Red-Headed League; The Five Golden Pips)

A Christmas Carol

America's Robert E. Lee

Uncle Tom's Cabin

Little Women

The Story of My Life

Call of the Wild; To Build a Fire

The Ransom of Red Chief; The Gift of the Magi

The Red Badge of Courage

The Story of the Trapp Family Singers (Part I)

Macbeth

4. Monthly memorization and presentation of a poem, Bible verse or piece of literature, and continue to build a poetry notebook.

Course Name: History/Geography 8

Grade: 8

Text: Anne W. Carroll: *Christ and the Americas*

The Articles of Confederation

The Constitution of the United States of America

Prerequisite: None

Description:

History 7 is a course in Modern Western History with an emphasis on the Americas, particularly the United States. Modern geography of the Americas is covered one week per quarter.

Objectives:

- Obtain a broad Catholic understanding of the anthropological history of the Americas up until the 1990's.
- Develop familiarity with the historical context of the settlement of the Americas,
- Develop knowledge of the broad outlines of American history;
- Develop knowledge of the major figures of American history;
- Develop the ability to trace the continuity and development of the United States Government throughout its history, so as to be better able to pinpoint the particular problems of the present day and their solutions.

Scope & Sequence:

1. Mayans, Aztecs, Incans, Columbus
2. Cortes and Magellan
3. Spanish missionaries and conquistadors
4. Other Catholic missionaries
5. France and the New World
6. England and the New World
7. Eve of the United States War for Independence
8. The War for Independence
9. U.S. Constitution
10. Catholics in the early U.S.
11. French Revolution and the U.S.
12. Spain is driven from Latin America
13. Manifest Destiny
14. Irish Immigration
15. Pre-Civil War
16. Civil War
17. Traditionalists in Latin America
18. U.S. Gilded age
19. Theodore Roosevelt and Progressive Movement
20. Woodrow Wilson and World War I
21. Mexican Revolution
22. 1920's, Depression, New Deal
23. World War II
24. Communism in U.S.
25. Communism in Latin America
26. Moral Decline of America

Course Name: Geography 8

Grade: 8

Text: The Ultimate Timeline and Geography Guide

Prerequisite: None

Description: This course is a Geography of the Americas. It is taught as part of History 8.

Objectives:

Students will:

- Be able to recognize the continents of North and South America on a map
- Know the major bodies of water of North and South America and locate them on a map, including rivers, seas and lakes.
- Know the major countries and their capitals and be able to locate them on a map
- Know general facts about the continent and its regions, including landforms such as mountains and planes, and areas tied to climate such as tundra, rainforests or deserts.
- Know and locate all the continents
- Know and locate all the oceans
- Know and locate the four hemispheres
- Understand latitude, longitude and be able to locate the North and South Poles, Equator, Arctic and Antarctic Circles, and the Tropics of Cancer and Capricorn.
- Understand globes and basic map projections.
- Understand landforms, water forms, and elevations.

Scope & Sequence:

1. Introduction to Geography
 - Continents, oceans, hemispheres, latitude and longitude, locate the North and South Poles, Equator, Arctic and Antarctic Circles, and the Tropics of Cancer and Capricorn. Understand globes and various map projections. Landforms, water forms, and elevations.
 - Introduction to North and South America
 - Identify countries and bodies of water
 - Canada
 - United States
 - Mexico
 - Central America
 - Brazil

Course Name: Science 8

Grade: 8

Text: Philip Cane: *Giants of Science* (2nd Half)

Prerequisite: None

Description:

Science 8 uses the “Great Man” approach to science. These lessons are centered on the experiments and theories of pivotal figures in the history of science and, in particular emphasize the scientific achievements of early civilizations. Where appropriate, these lessons will be accompanied by a practical demonstration.

Objectives:

By the time they have finished this course students should be able to:

- Understand the origins of Western science
- Identify the contributions of significant personalities
- Appreciate the relevance of earlier discoveries to our day

Scope & Sequence:

Franklin
Cavendish
Priestley
Lavoisier
Volta
Jenner
Thompso
Dalton
Ampere
Avogadro
Ohm
Faraday
Henry
Wohler
Darwin
Foucault
Pasteur
Medel
Maxwell
Mendeleeev

Roentgen
Pavlov
Michelson
Thomson
Hertz
Planck
Curie
Davy
Einstein
Fleming
Bohr
Fermi

Course Name: Beginning Logic B

Grade: 8

Text *The Thinking Toolbox: Thirty-five Lessons That Will Build Your Reasoning Skills*
by Nathaniel Bluedorn, Hans Bluedorn
With Good Reason by Morris Engel--Supplement

Prerequisite: None

High School Credit: N/A

Description:

A one-day per week introductory course in logic.

Objectives:

Students will improve their reasoning skills.

Scope & Sequence:

1. Tools for thinking:
 - Discussion, disagreement, argument and fight
 - Fact inference, opinion
 - Premises and conclusion
 - Reasons for believing something
 - Defeating one's own argument
2. Tools for opposing viewpoints
 - Primary and secondary sources
 - Corroborating evidence
 - Possible or probable?
 - Circumstantial evidence
3. Tools for science
 - Observe
 - Brainstorm
 - Hypothesis
 - Experiment
 - Analyze data
 - Pseudoscience