

8th Grade

Religion

Text: We Live Our Faith As Members of the Church, William H. Sadlier, Inc.© 2007

We Live Our Faith as Members of the Church presents the Church from her beginning at the Pentecost event through her history, encompassing her teachings and Tradition. It presents the mission of the Church, entrusted to her by Jesus, as the responsibility of all baptized Catholics.

Unit 1: How Do We Nourish God's Gift of Faith?

- Focusing on Catholic morality

Unit 2: Who Are Our Ancestors in Faith?

- Focusing on Church history

Unit 3: How Can the Church's Heritage Give Us Hope?

- Continued focus on Church history, with an emphasis on social teachings

Unit 4: What Does It Mean to Be Catholic?

- Focusing on the teachings and Tradition of the Catholic Church

Liturgical Chapters: The Liturgical Calendar, The Liturgical Year, Advent, Christmas, Lent Triduum, Easter, Ascension, Ordinary Time.

Family Lifeworks: The students have monthly classes designed to help them integrate their physical, emotional, social, rational and spiritual dimensions.

Math

Textbook: Algebra – Tools for a changing World, Prentice Hall

Mathematics: Explorations and Applications, Prentice Hall

Applying and identifying various problem-solving strategies

Mastering the basic tools with integers, statistics, decimals and fractions

Solving and graphing equations, inequalities, and systems of equations

Exploring square numbers, square roots and exponential functions

Mastering applications with ratios, proportions and percents

Applying algebraic concepts in geometry as well as measurement in geometry

In Algebra, graphing and solving quadratic functions; introduction to polynomials and factoring

Application of functions to real life situations

Language Arts

Textbook: Writing and Grammar, Prentice Hall

Curriculum Elements: Grammar, Usage, Mechanics in depth study of all parts of speech and their usage:

- Noun, Pronouns, Verbs, Adjectives, Adverbs, Prepositions, Conjunctions and Interjections
- Basic sentence parts, Effective sentences
- Phrases and Clauses

- Word Agreement
- Modifiers

• Punctuation, Capitalization

Curriculum Elements: Writing – In depth study of the writing process

- Daily journal writing
- Drafting, Revising
- Paragraphs and Compositions
- Autobiographical Writing, Personal Narrative
- Short Story
- Descriptive Writing
- Essays
- Research Paper
- Response to Literature
- Publishing and Presenting

Textbook: Vocabulary Workshop – Level C, Sadlier-Oxford

Curriculum Elements: Vocabulary Development - Definitions, Parts of Speech, Pronunciation, Synonyms, Antonyms, Word Usage, Context

Literature

Textbook: Timeless Voices, Timeless themes (silver), Prentice Hall

Use writing as a tool for learning and research

Interact with writers inside and outside the classroom in ways that reflect the practical uses of writing

Listen actively and purposefully in a variety of settings

Listen critically to analyze and evaluate a speaker's message

Listen to enjoy and appreciate spoken language

Listen and speak to gain and share knowledge of his/her own culture, the culture of others and the common elements of culture

Speak clearly and appropriately for different purposes and occasions

Use a variety of word recognition strategies

Read with fluency and understanding in texts at appropriate difficulty levels

Read widely for different purposes in varied sources

Acquire an extensive vocabulary through reading and systematic work study

Use a variety of strategies to comprehend a wide range of texts fo increasing levels of difficulty

Express and support responses to various types of texts

Analyze the characteristics of various types of genres

Inquire and conduct research using a variety of sources

Read to increase knowledge of his/her own culture

Write for a variety of audiences and purposes and in a variety of forms

Compose original texts

Comprehend selections using a variety of strategies

Select and use writing processes for self-initiated and assigned writing

Evaluate his/her own writings and the writings of others

Science

Textbook: Physical Science, Holt Science and Technology

Learn the scientific method and apply the steps in laboratory class

Know units of the metric system for length, mass, density and volume

Distinguish between specific and several properties of matter

Physical and chemical changes; conduct physical and chemical changes in the laboratory

Distinguish the difference between mixtures, element, compounds

Understand the atomic model and forces within the atom
Understand chemical bonds, ionic bonds, covalent bonds, metallic bonds
Know acids and bases and acids in bases in solution as well as knowledge of nuclear reactions
Be able to calculate the density of objects
Know Charles and Boyles Gas Law
Know Newtonian Laws of gravity and motion
Be able to calculate velocity of moving objects
Be able to calculate speed and direction of moving objects
Balance Equations
Understand the current theory of the atom.
Know and describe the different families in the Periodic Table.
Know the properties of metals nonmetals, gases
Know what elements will react and which will not.
Distinguish between oxidation number, atomic number, mass number.
Describe and predict which elements will undergo a synthesis, decomposition, single-replacement and double- replacement.
Be able to interpret most of the Data given on the periodic table of the Elements.
Know the different atomic models and the structure of an atom.
Distinguish between protons, neutrons, electrons.
Draw a Bohr Atom.

Social Studies

Textbook: The American Republic to 1877, Glencoe McGraw-Hill

Understand how the first people arrived in the Americas
Describe why powerful empires arose in the Americas.
Explore what early people lived in North America.
Understand Columbus's plan for sailing to Asia.
Explore how Spain governed its empire in the Americas.
Explain how Protestant Reformation affected North America.
Explain why colonists arrived to the North American colonies.
Explain how English colonists received political rights.
Explain why Middle Colonies had the most diverse populations.
Understand why the Southern Colonies were established.
Explain how the triangular trade affected the thirteen colonies.
Understand why the Navigation Acts angered the colonists.
Explain how the wars in Europe spread to the thirteen colonies.
Explain and understand the events that led to the Revolutionary War.
Explore why the declaration of Independence was drafted.
Explain why other nations helped the thirteen colonies against England.
Explain how the thirteen colonies won the Revolutionary War despite many disadvantages.
Examine how the Articles of Confederation was ineffective and the need for a new constitution.
Explain how the new constitution limits the power of government.
Describe what actions were taken to launch the new government and how political parties were formed.
Explain how the Supreme Court was strengthened.
Discuss the effects the Louisiana Purchase had on the size of the U.S.
Describe the start of the War of 1812 with England.
Describe how the Industrial Revolution began in the United States.
Understand how Western settlements affected the nation's economy and politics.
Identify the effect the Monroe Doctrine had on foreign policy.
Identify the changes President Jackson brought to the political system.

Examine the reasons why President Jackson wanted to destroy the Bank of the United States.
Describe how the U.S. acquired New Mexico and California.
Explain the events and different viewpoints that lead to the Civil War.
Describe the ways some Americans worked to eliminate slavery.
Explore why many Americans feared the end of slavery.
Evaluate what progress women made toward equality during the 1800s.
Compare Lincoln's plan for Reconstruction and the plan of Radical Republicanism.
Explain how Southern life changed during Reconstruction.
Describe how African Americans were denied their rights.

Spanish Language

Textbook: Ven Conmigo!, Level 2

Multidimensional hand-on projects
Spanish writing projects
Advanced and elaborate new vocabulary
Verb tenses used properly
Culture – world applications and current events (higher level thinking)
Ability to test-out of Spanish 1 and/or 2 in High School

Health & Fitness

Textbook: Being Healthy, Harcourt Brace Jovanovich

Health and Fitness class is divided between basic anatomy and a yoga workout. The goal of this class is to help students become healthier, to educate them on basic anatomy, become more flexible and have a better understanding of how the body works.

The **bookwork** pertains to the education of the human body and how to keep their bodies physically fit. The students are introduced to basic concepts of physically fitness and basic anatomy. The course will define in detail 5 major body systems. The students will be able to name the main functions of each body system and how each body system works. The students will be able to identify, locate and know the major function of each body system parts.

The **Fitness workout** consists of yoga, and fitness conditioning. Students learn the correct breathing techniques and postures for a controlled yoga workout. During this process, the student learn to challenge themselves physically and mental discovering their weakness and strengths. As the students journey through the semester, yoga will help them to develop and accept their physical weaknesses and learn to challenge and enhance their physical strengths.

The students also, have many opportunities to **meditate**. Meditation helps students to relax and focus within, leaving them refreshed and ready to take on daily challenges. The main goal is to help students learn to control their bodies, and temperament. If students learn to control their breathing they learn to control their temper. Controlling temperament will help them make better choice when confronted with difficult situations.