

Curriculum – Grade 6

Religion

Goal

To know God better through His revealed Word in the Bible. To learn of the people he bound to himself in covenant love. To be aware of our Father's call, for a relationship with him and with the Church community through his Son, Jesus. Students are encouraged to use the word of God from the Bible for family prayer.

Objectives

- To know God's saving love as is revealed in the Scripture with emphasis on Hebrew Scripture.
- To increase the student's knowledge of salvation history through reading the Old Testament.
- To enable the students to learn the history of their ancestors in faith.
- To read God's Word as a constant reminder of their faith.
- To enable the students to appreciate their ties to the Jewish people.
- To deepen their understanding of Jesus.
- To know that Jesus is the one God promised to send to his people.
- To come to know Jesus and serve him more generously.

Whole Year Focus

What Every Catholic Should Know:

- Holy Days
- Religious Vocabulary
- Prayers of the Catholic Church

Value of Hebrew Scripture:

- Learn basic information about the Bible
- Accounts of creation
- The Fall
- Promise of a Redeemer
- Finding God's love and mercy
- Celebrate Reconciliation
- Celebrate Eucharist

Family of Faith

- Abraham, man of faith
- Faith through prayer and love
- God's covenant passed on
- Leaders of the people
- Journey to Egypt
- Formation of people of God
- Trust in divine providence

God's Saving Love

- Rescue from slavery
- Divine Law
- Living Commandment
- Forgiveness
- Seeking Promised Land

Salvation Plan Accomplished

- Judges
- Adjustment period
- Establishment of monarchy
- Israel as a nation
- Entrance to Promised Land

Justice

- Message of God through Prophets
- Reawaken of people's love for God
- Fall of Jerusalem
- Recognition and appreciation of John
- Fulfillment of earlier prophecies of the coming of the Messiah
- Virgin Mary's role
- Coming of Christ

Techniques and Tools

- Art
- Bulletin Board
- Celebrations
- Discussions
- Memorization
- Pictures, and visuals
- Prayer
- Storytelling

Assessment of Goals and Objectives

- End of Chapter quizzes and Unit Tests
- Home assignments

Resources

- Bible
- Faith First, Resources for Christian Living
- Various Handout selected by the instructor
- Web Sites:

1. www.FaithFirst.com
2. www.cia.gov/cia/publications/factbook/geos/vt.html
3. en.wikipedia.org/wiki/Vatican_City

Language Arts

Goal:

Students will develop a thorough knowledge of written and oral language. Students will also be encouraged to read by becoming aware of comprehension strategies in literature by using trade books and self-selected independent reading books.

Objectives

- To further develop writing skills
- To master rules of MLA format
- To emphasize correct spoken language
- To master rules or grammar, usage, and the mechanics of English
- To spell correctly
- To develop prior knowledge
- To build a background in vocabulary and for literacy support
- To develop comprehension strategies that spring from the literature
- To use the vocabulary words in a conversation
- To determine the nature of the topic by its vocabulary
- To make predictions as they read the story
- To analyze characters and their points of views such as identifying traits and perspectives
- To identify the Elements of Literature

Whole Year Focus

Phonics

Oral Language

- Recitation of Poems and Stories

Reading

Trade Books:

- *Bridge to Terabithia*
- *The Westing Game*
- *A Castle in the Attic*
- *Tuck Everlasting*
- *Popcorn Days and Buttermilk Nights*
- *House of Diers Dreer*
- Biographies

Writing Skills

- Prewriting
- First Draft
- Conferences
- Revisions
- Publication
- Punctuation
- Capitalization

Handwriting

Spelling

Grammar

- Parts of Speech
- Phrases and clauses
- Sentences

Assessment of Goals and Objectives

- Short answer questions
- Vocabulary quizzes

Resources

- Videos (Titles matching Trade Books)
- Thayer Public Library
- Voyages in English- Loyola Press
- Exercises in English. Level F- Loyola Press
- John Collins Writing Program
- TimelessVoices, Timeless ThemesLiterature Copper Level Prentice Hall
- Web Sites:
 1. www.citationmachine.net
 2. owl.english.purdue.edu/handouts/research/r_mla.html
 3. www.rhymer.com
 4. www.abcteach.com
 5. www.esl.about.com
 6. www.rhlschool.com

Mathematics

Goal

Students should achieve “mathematical power” through problem solving, communications, reasoning, and connections

Objectives

- To explore mathematical ideas in ways that maintains enjoyment and curiosity about mathematics
- To integrate mathematics into other curriculum areas
- For students to see math as a lifelong process
- To help students develop problem solving strategies that carry over to world life applications

Whole Year Focus

Numeration, Addition, and Subtraction

- Expanded form
- Adding large numbers
- Zeros in subtraction
- Inverse operations

Multiplication and Division

- Special patterns
- Zeros in multiplication
- Exponents
- Short division and divisibility
- Zeros in division
- Order of operations

Decimals: Addition and Subtraction

- Decimals and expanded form
- Rounding decimals
- Compare and order decimals
- Adding and subtracting decimals

Decimals: Multiplication and Division

- Multiplying by 10, 100, 1000
- Multiplying decimals by whole numbers and decimals

- Dividing decimals by 10, 100, 1000
- Dividing decimals by whole numbers and by decimals
- Rounding quotients
- Scientific notation
- Number Theory and Fractions
- Finding equivalent fractions
- Prime and composite numbers
- Prime factorization
- Greatest common factor
- Fractions in simplest form
- Mixed numbers and improper fractions
- Least common multiple
- Comparing and ordering fractions
- Terminating and repeating decimals

Fractions: Addition and Subtraction

- Adding fractions and mixed numbers with renaming
- Subtracting fractions and mixed numbers with renaming

Fractions: Multiplication and Division

- Multiplying fractions
- Multiplying mixed numbers
- Reciprocals
- Dividing fractions
- Dividing mixed numbers
- Order of operations using fractions
- Fractions with money

Statistics and Probability

- Collecting data
- Range, mean, median, mode
- Working with graphs
- Probability
- Compound events
- Predictions

Geometry

- Congruent segments and angles
- Perpendicular lines
- Classifying angles

Polygons

- Classifying triangles

- Classifying quadrilaterals
- Circles
- Space figures
- Congruent and similar polygons
- Transformations

Measurement

- Renaming metric units
- Computing customary units
- Using perimeter
- Area of rectangles, squares, triangles and parallelograms
- Surface area
- Circumference
- Area of a circle
- Volume of a prism
- Computing with time

Ratio, Proportion, and Percent

- Ratio
- Equal ratios
- Rates
- Solving, writing, and using proportions
- Scale drawings and maps
- Percent as ratio
- Relating percents to fractions and decimals

Percent Applications

- Finding a percent of a number
- Missing percent
- Finding discount and sale price
- Finding sales tax and total cost
- Better buy
- Commission

Integers and Coordinate Graphing

- Integers
- Compare and order integers
- Adding and subtracting integers
- Graphing ordered pairs of numbers
- Graphing transformations

Moving On: Algebra

- Algebraic expressions
- Equations
- Solving equations – guess and check

- Solving equations-add, subtract, multiply, divide
- Evaluate formulas
- Multiplying and dividing integers
- Rational numbers

Assessment of Goals and Objectives

Announced tests and quizzes

Homework assignments on a daily basis

Assessment will include effort involved in mastering new content area

Projects

Resources

- Progress in Mathematics, Sadlier-Oxford (textbook and workbook)
- Various mathematics resource books

Science

Goal

Students will develop the ability to use basic science skills and a command of the skills as an asset in later studies and other subjects. Also students will use their hands and their minds to discover for themselves how and why things work the way they do.

Objectives

- Through a range of experiences make use of all the senses in the science – learning process.
- Learn to be a critical observer of events and process.
- To possess the skills to think critically, conduct careful experiments and draw reasonable conclusions.
- To enhance self-discovery of science principles with real-life

examples from home, school or community.

- To think in new ways and help connect the new things that are learned.
- To develop interpersonal skills through cooperative learning this fosters academic, personal and social success.

Whole Year Focus

Life Sciences

- What is the Living World?
- Why classify Organisms?
- Characteristics Living Organisms
- How Organisms are classified
- What is an Ecosystem?
- Organisms in their Environments
- How Limiting Factors Affect Organisms
- What is a Plant?
- Classifying Plants
- Plant Reproduction
- Plant Processes
- What is an animal?
- Animal Adaptations
- Reproduction and Development
- Skeletal System, Muscular System, Excretory System, Digestion System, Respiratory System
- Evolution
- Heredity and Biodiversity

Earth Science

- Viewing Earth
- Using Maps of Earth
- Earth's Structure
- Earth's History
- Earth's Systems

- Viewing the Sky
- Solar System
- Water Recycling
- Streams and Rivers
- Groundwater in Action
- Looking at Soil
- Gravity
- Running Water
- Glaciers
- Wind Erosion

Chemical Science

- Composition of Matter
- Describing Matter
- Physical and Chemical Changes
- Physical and Chemical Properties
- States of Matter
- Atomic Structure
- Structure and Class of Elements
- Properties and Uses of Acids
- Properties and Uses of Bases
- An Acid or a Base?
- Salts

Physical Science

- The Nature of Light
- Color
- Reflection and Refraction
- Waves and Vibrations
- Wave Characteristics
- Adding Waves
- Sound as Waves
- Sources of Sound
- Frequency and Pitch
- Music and Resonance
- Energy (Potential, Kinetic)
- Simple Machines
- Work and Force
- Motion
- Position, Time, and Speed
- Velocity Along a Straight Line
- Acceleration
- Falling Bodies
- Projectile Motion
- Circular Orbits of Satellites
- The Motion of a Pendulum

Assessment of Goals and Objectives

- Assessment using different learning skills such as recognition and recall of facts and vocabulary.
- Interpretation of information and use of higher levels of critical thinking.
- Yearly Science Fair that stresses application of the Scientific Method.

Resources

- ScienceInteractions–
Glencoe-Macmillan,
McGraw-Hill
- Videos
- Transparencies, Charts,
Models
- Web Sites:
 1. www.bio2.com
 2. www.enchantedlearning.com/inventors/page/c/carver.shtml
 3. www.ideafinder.com/history/inventors/carver.htm
 4. www.nhptv.org/natureworks/nwep12a.htm

Social Studies

Goal

Students will receive a balanced historical and geographical view of several world regions and cultures. Students will appreciate the contributions of ancient civilizations to world Culture.

Objectives

- Awareness of national and international interdependence
- Understanding of the geographic, economic, cultural, political, and ecological connections among people
- Appreciating the contributions that past civilizations have made to our heritage and our type of government

Whole Year Focus

- Geography Terms/Map Skills
- Five Themes of Geography
- Ancient Egypt
- Ancient Greece & Rome
- Renaissance and the Age of Revolution
- Industrial Revolution and Nationalism
- Europe and Russia
- Eastern Europe
- Western Europe
- Africa
- South, Southwest, and Central Asia

Assessment of Goals and Objectives

- Classroom discussions
- Frequent quizzes
- Chapter tests
- Written and oral reports
- Projects-oral and written
- Formal map drawing

Resources

- World Studies, Eastern Hemisphere, Prentice Hall
- World Studies, The Ancient World- Prentice Hall

- Teaching Resources, The Ancient World-Prentice Hall
- The Ancient World Transparencies-Prentice Hall
- “Weekly Reader Map Skills” (6)
- Trade Books
- “Daily Geography”- McDougal, Littell and Co.
- Eastern Hemisphere Transparencies- Prentice Hall
- World Studies, Foundations of Geography- Prentice Hall
- CD Roms -Prentice Hall
- Maps, globes, geography games

Web Sites:

- 1.www.PHSschool.com
- 2.www.sfsocialstudies.com
- 3.www.nationalgeographic.com