

Curriculum – Grade 7

Religion

Goal

To present God's saving love as revealed through His Son Jesus in such a way as to help young adolescents grow in their knowledge of Jesus that they may love Him more ardently and serve Him more generously.

Objectives

To deepen students understanding of who Jesus was and is.

To encourage students desire to follow Jesus.

To help students know what it means to follow Jesus in daily life.

To lead students to a greater appreciation of the life Jesus meant for us by His death and resurrection.

Whole Year Focus

The Revelation of God

The quest to know and believe in God is central to our happiness. Scripture is God's own word revealed to us

The story of Jesus healing the man born blind helps us come to see with eyes of faith.

God is the creator of all things, seen and unseen

God is a mystery.

There is one God in three

Persons-God the Father, God the Son, and God the Holy Spirit.

Jesus Christ, the Only Son of God

At the Transfiguration Jesus was revealed as the Son of God in whom the Law and the Prophets are fulfilled.

Jesus is truly God and truly man.

Jesus Christ, the Son of God, is the suffering Servant of God.

Christ's passion and death reveal the depth of God's love for humanity.

The Resurrection and the Ascension are the foundation of our hope in a life of eternal happiness with God.

The Risen Jesus lives and is with us today. We pass on our belief in him to others.

The Church

The Holy Spirit is always with us as our helper.

The Church is on a pilgrimage as the new People of God until the end of time.

We have been joined to Christ so fully that the Church is called the Body of Christ.

Saint Paul the Apostle made many journeys to fulfill Jesus' command to the disciples to make disciples of all nations.

The Church is a living communion of all the faithful, both those living on earth and those living after death.

The Prayer of the People of God

God is our Good Shepherd.

Prayer is at the heart of our relationship with God.

The Church is a people of prayer.

The Lord's Prayer shows us how we are to pray.

Church History

The story of the Church from the Apostolic Age to the Council of Nicaea (A.D. 325)

The influential role that saints, popes, and the Holy Roman emperors played in the history of the Church.

The Church from the Lateran Council IV to the Second Vatican Council renewed its

commitment to its spiritual mission in the world. The Holy Spirit guides the Church through Vatican II to proclaim the Gospel in the modern world.

Assessment of Goals and Objectives

Reproducible worksheets
Announced tests and quizzes
Evaluation based on discussion and group work
John Collins Writing Program
Projects as determined by the teacher

Resources

Creed and Prayer, Faith First,
Resources for Christian Living
Various handouts selected by the instructor

www.FaithFrist.com

Language Arts

Goal:

For students to continue to gain the skills to become active readers and to guide them into, through, and beyond the literature book

For the students to develop a thorough knowledge of the English language, as well as, the ability to write and speak clearly, creatively, and effectively

Objectives

- To offer insight into how the author came to write the selection
- To utilize a literary focus introducing concepts and

providing a specific goal for reading

- A vocabulary list indicating words from the selection that might present difficulty in reading
- To encourage comprehension and motivate reading of various types of literature
- To help students organize their study of vocabulary and gain control of new words
- To understand the close relationship between grammar and composition
- To understand that writing, as well as, speaking, listening, and literature are learned best in conjunction with grammar
- To understand that the writing process develops through a series of stages —prewriting, writing, revision, editing, and publishing
- To understand the purpose of writing and different language styles
- To understand how to become effective communicators through writing, speaking, and listening

Whole Year Focus

Short Stories

- Read and appreciate short stories
- Become familiar with the elements of a short story
- Use critical thinking and reading strategies to gain a fuller understanding of the short story
- Develop strategies for understanding and appreciating the words in a story
- Use short stories as a spring board for writing imaginatively and critically

Drama

- Read and appreciate drama
- Become familiar with the elements of drama
- Understanding conflict in drama
- Recognizing the playwright's purpose
- Writing a script

Non-fiction

- Read and appreciate non-fiction
- Become familiar with types of non-fiction
- Reading and understanding biographies, personal accounts, essays, and essays in content areas

Poetry

- Read and appreciate poetry
- Become familiar with types of poetry
- Become familiar with themes in poetry
- Recognize poetic devices

American Myths, Legends, and Folktales

- Read and appreciate myths, legends, and folktales from America's past
- Become familiar with the elements of a myth, a legend, a folktale, a yarn, and a ballad
- Develop strategies for understanding and appreciating the words, including dialect, in myths, legends, folktales, and ballads

Use all of the above as motivation for imaginative writing of different types of tales.

- Grammar
- Parts of Speech
- Noun
- Pronoun
- Adjective

- Verb
- Adverb
- Preposition
- Conjunction
- Interjection

Using Nouns Correctly

- Nominative Case
- Objective Case
- Possessive Case

Complements

- Direct objects
- Indirect objects
- Predicate nouns

Using Pronouns Correctly

- Nominative Case
- Objective Case

Using Verbs Correctly

- Principal parts
- Regular verbs
- Irregular verbs
- Tenses

Using Modifiers Correctly

- Comparison
- Placement

Agreement

- Subject and predicate
- Pronoun and antecedent

The Phrase

- Prepositional phrase
- Verbal phrase

The Clause

- Independent clause
- Dependent clause

Sentence Structure

- Simple sentence
- Compound sentence
- Complex sentence
- Compound-complex sentence

Capital Letters

Punctuation

- End marks
- Commas
- Semicolons

- Colons
- Quotation marks
- Apostrophes
- Hyphens
- Writing

Paragraphs

- Selecting and narrowing a topic
- Writing topic, beginning, middle, and ending sentences
- Creating a topic

Developing writing Skills

- Unity
- Coherence
- Comparison

- Contrast
- Revision
- Proofreading

Refining Writing Skills

- Combining independent clauses
- Sentence combining with adjectival and adverbial clauses
- Expanding sentences

Types of Paragraphs

- Descriptive paragraphs
- Narrative paragraphs
- Expository paragraphs

Writing with Dialogue

Writing across the Curriculum

- Outlining and writing a report
- Writing about books

Creative Tools for Writing

- Simile, Metaphor
- Personification, Hyperbole
- Alliteration, Onomatopoeia

Letter Writing

- Parts of a social letter
- Writing social letters
- Parts of a business letter
- Writing business letters

Speaking and Listening Skills

- Oral presentations
- Poetry readings
- Listening skills

Library Skills

- Using the dictionary
- Using the thesaurus
- Using other reference tools

Assessment of Goals and Objectives

- Independent study will be the responsibility of each student after the lesson has been introduced and taught
- Questions, worksheets dealing with specific goals will be assigned
- Text book readings in class and at home followed by oral discussions
- Short quizzes following completed readings
- Weekly scheduled writing assignments
- Weekly editing/ revising written work
- Journal writing
- Focal Correction Areas
- Announced tests on appropriate material

Resources

- Prentice Hall Literature--Silver
- Vocabulary Workshop—Level B, Sadlier—Oxford
- Various literature/poetry resource books
- www.scholastic.com
- Voyages in English 7, Loyola University Press
- Exercises in English 7, Loyola University Press
- John Collins Writing Program
- Daily Oral Language 7, Houghton Mifflin Company
- Various writing/language arts resource books
- www.english-zone.com
- www.phschool.com

Mathematics

Goal

To ensure students' mastery of mathematics skills developed in grade K through 6 and to introduce students to language and methods of algebra as a life long tool for problem solving.

Objectives

To develop students depth of mathematical understanding through real-world applications.

To enhance students understanding of mathematics as a life long process that extends beyond school into the home and community.

To integrate the methods of algebra into the mathematic curriculum.

To introduce the students to thinking logically and problem solving.

Whole Year Focus

Algebraic Expressions and Integers

Variables and expressions

Order of operations

Evaluating expressions

Integers and the number line

Absolute value

Equations and Inequalities

Distributive property

Combine like terms

Solving one-step equations by addition and subtraction

Solving one-step equations by multiplying and dividing

Inequalities and their graphs

Solving one-step inequalities

Decimals and Equations

Mean, median, mode

Using formulas

Solving equations by adding or subtracting decimals

Solving equations by multiplying or dividing decimals

Using the metric system

Factors, Fractions, and Exponents

Divisibility rules and factors

Simplifying operations with exponents

Prime factorization and G.C.F.

Simplifying fractions

Rational numbers

Multiplying exponents

Dividing exponents

Scientific notation

Operations with Fractions

Compare and order

L.C.M.

Rewrite fractions and mixed numbers as decimals

Rewrite decimals as fractions or mixed numbers

Repeating decimals

Adding and subtracting fractions and mixed numbers

Multiplying and dividing fractions and mixed numbers

Customary units of measurement

Solving equations by adding or subtracting fractions and mixed numbers

Solving equations by multiplying fractions and mixed numbers

Powers of products and quotients

Ratios, Proportions, and Percents

Ratios and unit rates

Proportions

Similar figures

Probability

Fractions, decimals, and percents

Proportions and percents

Percents and equations

Percent of change

Markup and discount

Solving Equations and Inequalities

Solving two-step equations

Solving multi-step equations

Multi-step equations with

fractions and decimals

Write an equation

Solving equations with variables on both sides
 Solving two-step inequalities
 Transforming formulas
 Simple and compound interest
Linear Functions and Graphing
 Relations and functions
 Equations with two variables
 Slope and y-intercept
 Writing rules for linear functions
 Scatter plots
 Solve by graphing
 Solving systems of linear equations
 Graphing linear equations
Spatial Thinking
 Points, lines, and planes
 Angle relationship and parallel lines
 Classifying polygons
 Congruence
 Circles
 Constructions
 Translations
 Symmetry and reflections
 Rotations
Area and Volume
 Area: parallelograms, triangles, trapezoids, circle
 Space figures
 Surface area: prisms, cylinders, pyramids, cones, and spheres
 Volume: prisms, cylinders, pyramids, cones, and spheres
Right Triangles in Algebra
 Square roots and irrational numbers
 The Pythagorean Theorem
 Distance and midpoint formulas
 Special right triangles
 Sine, cosine, and tangent ratios
 Angles of elevation and depression
Data Analysis and Probability
 Frequency tables and line plots
 Box-and-whisker plots

Using graphs to persuade
 Counting outcomes and theoretical probability
 Independent and dependent events
 Permutations and combinations
 Experimental probability
 Random samples and surveys
Nonlinear Functions and Polynomials
 Patterns and sequences
 Graphing nonlinear functions
 Exponential growth and decay
 Polynomials
 Adding and subtracting polynomials
 Multiplying a polynomial by a monomial
 Multiplying binomials

Assessment of Goals and Objectives

Testing on a pre-announced schedule
 Quizzes and graded assignments will be given in class
 Homework assignments will be given regularly
 Assessment will include effort involved in mastering new content area

Resources

Pre-Algebra, Prentice Hall Mathematics (textbook and workbook)
 Selected enrichment activities and projects

www.PHSchool.com

www.edhelper.com

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

Physical Science

- Force, Motion, and Inertia
- Newton's First, Second, and Third Law of Motion
- Pressure and Buoyancy
- Balance and Unbalanced Forces
- Electrical and Mechanical Energy
- Forms of Energy
- Heat Energy

Earth Science

- Earth History
- Mapping the Earth
- Earth Structure
- Movements That Cause Earthquakes
- Learning About Earthquakes
- Earth's Systems
- Volcanic Eruptions
- Igneous, Metamorphic, and Sedimentary Rocks
- Minerals and Their Values
- Characteristics of Minerals
- Mineral Formation
- Solar System

Life Science

- The World of Cells
- The Inside Story of Cells
- When One Cells Becomes Two
- Traffic in and Out of Cells
- Why Cells Need Food
- Special Cells with Special Jobs
- Body Systems
 - Skeletal
 - Muscular
 - Circulatory
 - Nervous
 - Respiratory
 - Excretory
 - Digestive
- Classification of Organisms
- Plant Kingdom
- Photosynthesis
- Living Organisms Environment
- Changes in Ecosystems over Time
- Energy and Living Organisms
- Heredity
- Evolution and Biodiversity

Chemical Science

- Discovering Metals and Non-Metals
- Understanding Metalloids

- How Do Gases Behave?
- What are Gases Made of?
- What is the Atomic Theory of Matter?
- How Does Matter Change Chemically?
- Word Equations
- Chemical Reactions and Energy
- Speeding Up and Slowing Down Reactions

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icgeo/IGNEOUS_T
OUR.html
7.csmres.jmu.edu/geolla
b/Fichter/IgnRx/IgAlp
habetical.html

Assessment of Goals and Objectives

- Assessments 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

- Science Interactions – Glencoe-Macmillan, McGraw-Hill
- Videos
- Transparencies, Charts, Models
- Web Sites:

1. www.coasterquest.com
2. www.vilenski.org/science/humanbody/hb_intro.html
3. www.citationmachine.net
4. sd67.bc.ca/schools/sss/Science/webquest/frontmenu.htm
5. owl.english.purdue.edu/handouts/research_r_mla.html

Social Studies

Goal

To acquaint students with the United States system of Democratic Government and develop a sense of responsible citizenship.

Objectives

To develop a historical perspective of political, geographical and economic factors which led to the development of the United States as a nation and world power.

To introduce students to the goals and principles of the Constitution

To lead students to an understanding of how our system of government works as well as a realization of the rights and duties of an American citizen.

Whole Year Focus

The American Land

Geography
Physical regions
Climate

The struggle for Independence (1745-1775)

Trouble over taxes
Stamp Act
Townsend Act
Boston Massacre
Boston Tea Party
Lexington and Concord

The American Revolution (1775-1776)

Declaring independence
Significant battles
Foreign assistance
Treaty of Paris

Creating and Strengthening a New Government (1776-1825)

- Creating a new government
- The Articles of Confederation
- The Constitutional Convention
- Early presidents
- Whiskey Rebellion
- French Revolution
- Federalism
- Louisiana Purchase
- Lewis and Clark
- War of 1812

A Growing Nation (1820-1860)

- Oregon Country
- The Lone Star Republic
- Looking West
- War with Mexico
- Industrial life in the North
- Cotton life in the South
- Women's rights

A Nation Divided (1860-1877)

- Differences over slavery
- New political parties
- A Union broken
- Call to arms
- Battles of the Civil War
- Surrender at Appomattox
- Restoring a Union

America in a Changing Time (1865-1900)

- The Gold Rush
- Cowboys
- Native Americans at war
- Farmer's organize
- Big business surges
- Magical years of invention
- Organized labor
- Immigration – exploring our roots
- Culture develops in America

Civics Overview – The Constitution at Work

- Goals of the Constitution
- Principles of the Constitution
- Bill of Rights
- Amendments

The National Government at work

Citizenship at work

Assessment of Goals and Objectives

- Announced quizzes and tests
- Projects of varying styles
- Worksheets requiring analysis and critical thinking
- Class and group discussion of assigned topics

Resources

- The American Nation, Prentice Hall
- Junior Scholastic
- Videos
- Outside reading

www.PHSchool.com