

Middle School Religion

All students:

- Recite the rosary daily
- Attend first Friday Mass, Holy Days; Host a Friday mass once a year, Work as altar servers and/or Mass buddies
- By graduation students have numerous prayers and teachings that must be memorized

Students are provided opportunities to attend or participate in:

- Charitable collections for local groups
- The “Keep Christ in Christmas” poster contest
- The annual Youth Rally and Right to Life March
- 8th grade graduation retreat
- Schoolwide morning prayer (daily) and rosary on Monday afternoons
- School service

In addition to the standard curriculum the Feasts and Seasons of the Church are studied and celebrated, namely: Advent, Easter, Christmas, Feast Days, Holy People, Lent, Mary, Holy Week, Saints

The student text offers additional resources on Catholic teachings:
What Catholics believe – How Catholics Worship – How Catholics Live –
How Catholics Pray – Church Doctrine

Additional Texts: *The Holy Bible & The Baltimore Catechism*

6th grade Religion

Focus: Old Testament

Text: Silver Burdett Ginn - *Blest Are We*

Unit 1

Theme: We Answer God’s Call

Overview: Exploration of the Old Testament begins with the story of Abraham and Sarah. The themes of revelation and covenant are introduced.

Chapter 1: Revelation and Response

Chapter 2: Sacrifice and Promise

Chapter 3: Covenant and Commitment

Chapter 4: Piety and Prayer

Unit 2

Theme: God Saves and Delivers Us

Overview: A study of the Exodus offers insight into the Christian belief in deliverance through the Paschal mystery.

Chapter 1: Slavery and Deliverance

Chapter 2: Passover and the Eucharist Celebration

Chapter 3: Commandment and Fulfillment
Chapter 4: Our Journey and God's Presence

Unit 3

Theme: God Invites Us into His Kingdom

Overview: The Old Testament history of the kingdom of Israel provides an understanding of teachings about the kingdom of God in the New Testament.

Chapter 1: Our Land and God's Kingdom
Chapter 2: The Ark and the Temple
Chapter 3: David's Sin and the Story of the Fall

Unit 4

Theme: God Reminds Us to Do His Will

Overview: Prophets played a vital role in the religious awareness of the people of Israel and later in the understanding of Christ's message. Exile and reconciliation are important themes.

Chapter 1: Disobedience and Guidance
Chapter 2: Exile and Remembrance
Chapter 3: Hope and Faithfulness
Chapter 4: Trust and Prayer

Unit 5

Theme: God Promises Us Everlasting Life

Overview: The Maccabean revolt, religious sects, and the hope for the messiah mark the period before the coming of Jesus Christ. Jesus' life and teachings are connected to God's promises in the Old Testament.

Chapter 1: A New Life and a Coming Messiah
Chapter 2: Baptism and Repentance
Chapter 3: Christians and the Reign of God
Chapter 4: Hope for the Ages

7th Grade Religion

Seventh Grade – *“The Story of Jesus”*

1. The Mystery of the Incarnation
2. The Meaning of the Kingdom
3. The Christian Life
4. The Paschal Mystery
5. The Good News

Additional teachings:

Baltimore Catechism no 2

Reading for Young Catholics – comprehension 7

8th Grade Religion

Eighth – “The Story of Our Church”

1. The Marks of the Church from the Beginning
2. The Growth of Christendom
3. An Age of Faith and Beauty
4. Reason, Rebellion, and reform
5. Returning to the Roots of Christianity

Additional Sources:

Catechism

Reading for Young Catholics – Comprehension 8

Middle School Mathematics – offer level 6, 7, Pre-Alg, Alg I

- Application exploration to everyday life as well as careers
- Web Quest Activities – these are long term, multi-faceted tasks

Mathematics Level 6

Level 6 Trimester 1:

Chapter 1 – Number patterns and algebra

Problem solving strategies; four step plan and guess and check

Divisibility patterns

Prime factors

Powers and Exponents

Order of Operations

Variables and Expressions

Area of rectangles

Chapter 2 – Statistics and graphs

Frequency tables

Graphs - bar, line, double line, circle, stem & leaf

Analyzing graphs

Mean median, mode, and range

Chapter 3 – Adding and Subtracting Decimals

Representing decimals

Comparing and ordering decimals

Rounding decimals

Estimating sums and differences

Adding and subtracting decimals

Chapter 4 – Multiplying and dividing decimals

Multiplying and dividing decimals by whole numbers

Dividing and multiplying decimals

Perimeter

Circumference

Chapter 5 – Fractions and Decimals

Greatest common factor
Simplifying fractions
Mixed Numbers and Improper fractions
Least common multiple
Comparing and ordering fractions
Writing decimals as fractions
Writing fractions as decimals

Level 6 Trimester 2:

Chapter 6 – Adding and subtracting fractions

Rounding fractions and mixed numbers
Estimating sums and differences
Adding and subtracting fractions with like and unlike denominators
Adding and subtracting mixed numbers
Subtracting mixed numbers with renaming

Chapter 7 – Multiplying and Dividing Fractions

Estimating products
Multiplying and dividing fractions
Multiplying and dividing mixed numbers
Patterns and functions

Chapter 8 - Integers

Integers
All operations with integers
The coordinate plane

Chapter 9 – Algebra; solving equations

Properties; Commutative, Associative, Identity, and Distributive
Solving Equations; Addition, Subtraction, and Multiplication
Solving two step equations
Functions
Graphing functions

Chapter 10 - Ratio, Proportion, and Percent

Ratios
Solving proportions
Scale drawings and models
Modeling percents
Percents and fractions or decimals
Percent of a number
Estimating with percents

Level 6 Trimester 3:

Chapter 11 – Probability

Theoretical Probability
Outcomes

Statistics: making predictions
Geometry: Probability and area
Probability of independent events

Chapter 12 – Measurement

Customary System; length, capacity, and weight
Metric System; length, mass, and capacity
Changing units within metric units
Measures of time

Chapter 13 – Geometry: Angles and polygons

Angles and angle measures
Bisectors
Two dimensional figures
Lines of symmetry
Similar and congruent figures

Chapter 14 – Measuring Area and Volume

Area; parallelograms, triangles, and circles
Three dimensional figures
Volume and surface area of a rectangular prism

Mathematics Level 7

Level 7 Trimester 1:

Chapter 1 – Decimal patterns and algebra

Problem solving strategies; four step plan / guess and check
Powers and Exponents
Order of Operations
Variables and Expressions
Equations and mental math
Addition and subtraction properties
Sequences
Metric System
Scientific notation

Chapter 2 – Statistics: Analyzing Data

Frequency tables
Graphs - bar, line plots, stem-and-leaf plots, box and whisker plots
Histograms and intervals
Misleading statistics
Mean median, mode, and range

Chapter 3 – Algebra: Integers

Integers; absolute value, comparing, and ordering
Integers; adding, subtracting, multiplying, and dividing

Chapter 4 – Linear Equations and Functions

Writing expressions and equations
Equations; addition, subtraction, and multiplying
Two step equations
Inequalities
Functions and linear equations
Line and slope

Level 7 Trimester 2:

Chapter 5 – Fractions, Decimals, and Percents

Prime factorization
Greatest common factor
Simplifying fractions
Fractions and decimals / percents
Percents and decimals
Least common multiple
Comparing and ordering rational numbers

Chapter 6 – Applying Fractions

Estimating with fractions
Adding, subtracting, multiplying, and dividing fractions, mixed numbers
Solving equations
Changing customary units of measurement
Perimeter and Area
Circles and circumference

Chapter 7 – Ration and Proportion

Ratio, rates, and proportion
Scale drawings
Fractions, decimals, and percents
Percents greater than 100% and percents less than 1%
Percent of a number
The percent proportion

Chapter 8 – Applying Percents

Percent and estimation
Percent equation
Percent of change
Sales tax and discount
Simple interest
Percent of change

Level 7 Trimester 3:

Chapter 9 – Probability

Simple events
Tree diagram
Fundamental Counting principal
Permutations
Combinations

Theoretical and experimental probability
Independent and dependent events

Chapter 10 – Geometry

Angles; classifying, drawing, relationships
Circle graphs
Triangles, quadrilaterals, polygons; identify and classify
Similar figures
Tessellations
Translations
Reflection

Chapter 11 – Geometry; measuring two – dimensional figures

Squares and square roots
Estimating square roots
The Pythagorean Theorem
Area of: parallelograms, triangles, trapezoids, circles, and complex figures
Probability: area models

Chapter 12 – Measuring three – dimensional figures

Drawing three – dimensional figures
Rectangular prism; volume and surface area
Cylinders; volume and surface area
Precision measurement

Mathematics Level Algebra

Algebra Trimester 1:

Chapter 1 - The language of algebra

Variables and expressions
Order of operations
Open sentences
Properties; identity, equality, distributive, commutative, and associative
Logical reasoning
Graphs and functions
Analyzing data by using tables and graphs

Chapter 2 – Real Numbers

Rational numbers; number line, adding, subtracting, multiplying, dividing
Displaying and analyzing data
Probability and odds
Square roots and real numbers

Chapter 3– Solving linear Equations

Writing equations
Solving equations by using; addition, subtraction, multiplication, division
Solving equations with the variable on each side
Ratios and proportions

Percent of change
Solving equations and formulas
Weighted averages

Chapter 4 – Graphing relations and functions

Coordinate plane; locate points, graph points, transform figures
Relations
Equations as relations
Graphing linear equations
Functions
Arithmetic sequences
Writing equations from patterns

Chapter 5 – Analyzing Linear Equations

Slope; determining, direct variation, slope-intercept form
Writing equations in; slope-intercept form, point-slope form
Parallel and perpendicular lines
Scatter plots and lines of fit

Algebra Trimester 2:

Chapter 6 – Solving Linear Inequalities

Solving inequalities by; addition, subtraction, multiplication, division
Multi-step inequalities
Compound inequalities
Open sentences involving absolute value
Graphing inequalities in two variables

Chapter 7 – Solving Systems of Linear equations and inequalities

Graphing systems of equations
Substitution
Elimination using: addition, subtraction, and multiplication
Graphing a system of inequalities

Chapter 8 – Polynomials

Monomials; multiplying, and dividing
Scientific notation
Polynomials; adding, subtracting
Multiplying a polynomial by a monomial
Multiplying polynomials
Special products

Chapter 9 – Factoring

Factors and greatest common factor
Factoring using the distributive property
Factoring trinomials
Factoring differences of squares
Perfect squares and factoring

Chapter 10 – Quadratic and Exponential functions

Graphing quadratic functions

Solving quadratic equations by graphing, completing the square, using the

Quadratic formula

Exponential functions

Growth and decay

Geometric sequences

Algebra Trimester 3:

Chapter 11 – Radical expressions and triangles

Simplifying radical expressions

Operations with radical expressions

Radical equations

The Pythagorean Theorem

Distance formula

Similar triangles

Trigonometric ratios

Chapter 12 – Rational expressions and expressions

Inverse variation

Rational expressions

Rational expressions; multiplying and dividing

Dividing polynomials

Rational expressions with like / unlike denominators

Mixed expressions and complex fractions

Solving rational equations

Chapter 13 – Statistics

Sampling and bias

Introduction to matrices

Histogram

Measures of variation

Box and whisker plots

Chapter 14 – Probability

Counting outcomes

Permutations and combinations

Probability distributions

Probability simulations

Middle School Social Studies

6th Grade Social Studies

- A. The Beginnings of Human Society
 - 1. Geography and History
 - 2. Prehistory
 - 3. The Beginnings of Civilization

- B. The Fertile Crescent
 - 1. Land Between Two Rivers
 - 2. Fertile Crescent Empires
 - 3. The Legacy of Mesopotamia
 - 4. Mediterranean Civilizations
 - 5. Judaism

- C. Ancient Egypt
 - 1. The Geography of the Nile
 - 2. The Rulers of Egypt
 - 3. Egyptian Religion
 - 4. Ancient Egyptian Culture
 - 5. The Cultures of Nubia

- D. Ancient Greece
 - 1. Early Greek Civilization
 - 2. Religion, Philosophy and the Arts
 - 3. Daily Life in Athens
 - 4. Sparta and Athens
 - 5. The Spread of Greek Culture

7th Grade Social Studies

- A. Ancient Rome
 - 1. The Beginning, Mythological and Historical
 - 2. Early Childhood Celebrations
 - 3. gods and goddesses
 - 4. Homes/Buildings
 - 5. Roman Daily Life
 - 6. Latin Roots
 - 7. The End of the Kingdom
 - 8. The Roman Republic
 - 9. Problems in the Republic
 - 10. Julius Caesar
 - 11. The Roman Empire
 - 12. Augustus and the Emperors
 - 13. Christianity

14. The Fall of Rome
- B. Byzantine and Muslim Civilizations
 1. The Franks
 2. Charlemagne
 3. The Byzantine Empire
 4. Muslim Civilization
- C. Europe in the Middle Ages
 1. Feudalism and the Manor System
 2. The Church and the Rise of Cities
 3. The Crusades
 4. The Power of Kings
- D. New Age of Europe
 1. The Renaissance and Reformation
 2. The Age of Exploration
 3. Powerful Monarchs
 4. Conquests in America and Africa

8th Grade Social Studies

- A. The American Revolution
 1. Revolution or Civil War
 2. Outcomes
- B. Leading to the Constitution
 1. The Constitutional Conventions
 2. The Articles of Confederation
- C. The Constitution
 1. New York and New Jersey Plans
 2. Who was at the Constitutional Conventions and Why
 3. Anti-Federalists vs. Federalists
 4. The Articles
 5. The Amendments
 6. Checks and Balances
 7. Case Studies
- D. The Presidency
 1. George Washington
 2. Hamilton vs. Jefferson
 3. Farewell Address
- E. State Government
 1. Federalism: One Nation and Fifty States
 2. State Legislatures

3. The State Executive Branch
 4. State Courts
- F. Local Government
1. Types of Local Government
 2. Local Government Services and Revenue
 3. Conflict and Cooperation Between Governments

Middle School Science

6th Grade Science

- A. Human Body Systems
1. Structure and Movement
 - a. Skeletal System
 - b. Muscular System
 - c. The Skin
 2. Nutrients and Digestion
 - a. Nutrition
 - b. The Digestive System
 3. Circulation
 - a. The Circulatory System
 - b. Blood
 - c. The Lymphatic System
 4. Respiration and Excretion
 5. Control and Coordination
 - a. The Nervous System
 - b. The Senses
 6. Immunity and Disease
 - a. The Immune System
 - b. Infectious Disease
 - c. Noninfectious Disease

7th Grade Science - Earth Science

- a. **Earth Materials and Processes** – Trimester 1
 1. Minerals
 2. Rocks

3. Earth's Energy and Mineral Resources
4. Plate Tectonics
5. Earthquakes
6. Volcanoes

b. The Water Planet – Trimester 2

1. The nature of water
2. Freshwater at Earth's Surface
3. Groundwater Resources
4. Ocean Motion
5. Oceanography
- 6.

c. The Air Around You – Trimester 3

1. Atmosphere
2. Weather
3. Climate
4. Air Pollution

8th Grade Science – Physical Science

a. The Nature of Matter

1. Atoms, Elements, Compounds, and Mixtures
2. States of Matter
3. Properties and Changes of Matter
4. The Periodic Table

b. Motion, Forces, and Energy

1. Motion and Momentum
2. Force and Newton's Laws
3. Forces and Fluids
4. Work and Simple Machines
5. Energy and Energy Resources
6. Thermal Energy

c. Waves, Sounds, and Light

1. Waves
2. Sound
3. Electromagnetic Waves
4. Light, Mirrors, and Lenses

Middle School Latin

6th Grade Latin

Introduction to Latin

Text: *Minimus – Starting Out in Latin*

Trimester 1	Trimester 2	Trimester 3
FAMILY <ul style="list-style-type: none"> • Nouns • Birthday • Perseus & Medusa 	ROMANS <ul style="list-style-type: none"> • Adverb • Britons / Romans • A Travelers Tale 	SOLDIERS LIFE <ul style="list-style-type: none"> • Prepositions • Military positions • Procrustes & Bed
FOOD <ul style="list-style-type: none"> • Adjectives • Dinner • Daedalus & Icarus 	SHOPPING <ul style="list-style-type: none"> • Adverb • Travel / Shopping • Actaeon & Diana 	JEWELRY <ul style="list-style-type: none"> • Conjunctions • Jewlery / Makeup • Midas' Touch
WORK <ul style="list-style-type: none"> • Verbs • Slaves • Pandora's Box 	Military <ul style="list-style-type: none"> • Commands • Soldiers • Odysseus's Plan 	DEATH <ul style="list-style-type: none"> • Subject / Object • Funeral Traditions • Pyramus & Thisbe
Education <ul style="list-style-type: none"> • Review • Writing & Games • Echo & Narcissus 	CLEAN & HEALTHY <ul style="list-style-type: none"> • Verbs / adverbs • Public Baths • Odysseus & Cyclops 	GOD <ul style="list-style-type: none"> • S / P Adjectives • Praying • The Amazing Baby

7th Grade Latin I, Part 1

<p>Trimester 1</p>	<p>Stage: Cultural Background: Language study:</p>	<p><u>1 - Caecillus</u> Pompeii, household, houses in Pompeii Word order w/wo – est, normative sing.</p>	<p><u>2- In Villa</u> Daily life, clothing, food Normative, accusative singular</p>
<p>Trimester 2</p>	<p>Stage: Cultural Background: Language Study:</p>	<p><u>3 – negotium</u> Town life and business Nominative and accusative singular of 1st, 2nd, and 3rd declensions</p>	<p><u>4 – In foro</u> Forum, finance and court of law 1st & 2nd persons singular present, including sum, es</p>
<p>Trimester 3</p>	<p>Stage: Cultural Background: Language Study:</p>	<p><u>5 – in theatro</u> Theater, actors, performances; pantomime, comedy Nomanative plural, 3rd person plural present</p>	<p><u>6 – Felix</u> Slaves and freedmen 3rd person singular and plural erat and erant</p>

8th Grade Latin I, Part 2

Trimester 1	Stage: Cultural Background: Language Study:	<u>7 – cena</u> Burial customs, beliefs of life and death Perfect tense Accusative + verb	<u>8 – gladiators</u> amphitheater gladiatorial shows Accusative plural Superlative adj.
Trimester 2	Stage: Cultural Background: Language Study:	<u>9 – therme</u> the Roman Baths dative sing. / plural ego, tu normative+dative+ accusative+verb	<u>10 – rhetor</u> Education, books and writing materials 1 st & 2 nd persons plural present Comparative adj. esse
Trimester 3	Stage: Cultural Background: Language study:	<u>11 – candidati</u> Pompeii elections and local government Intransitive verbs w/ dative Asking questions Placet, nos, vos	<u>12 – Vesuvius</u> Eruption of Vesuvius, excavation of Pompeii, 1 st & 2 nd person perfect and imperfect, sing. & plural

Middle School Computer Lab

- Keyboarding skills
- Spread sheets
- Power Point presentations
- Web site development
- Web quests