



# ANNUNCIATION CATHOLIC SCHOOL

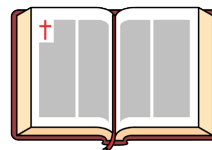
SCIENCE  
TECHNOLOGY  
RELIGION  
ENGINEERING  
ARTS  
MATHEMATICS



## K- 8 CURRICULUM SUMMARY



(Based on the Diocese of Phoenix Curriculum Standards)



## KINDERGARTEN

### Language Arts

- Recognize and name all lowercase & uppercase letters
- Identify letter sounds
- Isolate & pronounce initial, medial, & final sounds in consonant-vowel-consonant words
- Blend and segment words
- Follow words from left to right, top to bottom, & page by page
- Read common high frequency words
- Spell high frequency words
- Spell phonetically
- Recognize and produce rhyming words
- Write complete sentences with proper spacing, capitals, and end punctuation
- Write for various purposes
- Develop proper manuscript handwriting
- Identify the front cover, back cover, and title page in a nonfiction text
- Understand the roles of an author and illustrator of a book
- Identify the author and illustrator of a book
- Identify the characters, setting, and plot of a story
- Actively engage in purposeful group reading activities
- Retell stories
- Compare and contrast stories
- Ask and answer questions about key details in a text
- Recognize common types of text (poetry, fiction, nonfiction)
- Identify similarities and differences within two texts of similar topics

### Math

- Count forward from a given number
- Count sets of objects from 0-20 using one-to-one correspondence
- Count to 100 by ones
- Count to 100 by tens
- Write numbers from 0-20
- Correctly name shapes
- Identify shapes as 2 or 3 dimensional
- Compare 2 and 3 dimensional shapes
- Identify position of objects as above, below, beside, in front of, next to
- Classify objects into categories

- Compare measureable attributes of two objects
- Describe measureable attributes of two objects
- Decompose numbers up to 10
- Decompose numbers up to 20 using ones and tens
- Identify objects as greater than, less than, or equal to
- Solve addition word problems
- Solve subtraction word problems

### Religion

- Understand God as Creator
- Appreciate God's Creation
- Recognize that we are all members of God's family
- Come to know that Jesus is both God and man
- Learn basic Bible stories
- Display appropriate behavior at mass
- Recite Catholic prayers

### Science

- Forces and Motion
- Animals and their Habitats
- Plants
- Weather and Climate
- Earth/ Conservation
- Engineering Design

### Social Studies

- Geography
- National Symbols
- Arizona
- Economics

### Technology

- use mouse to perform computer functions
- recognize example of technology in daily life
- identify and discuss internet safety
- use technology (paint/word) as a part of classroom work

## FIRST GRADE

### Language Arts

- Decoding (vowels, digraphs, blends)/Phonemic Awareness
- Read/spell basic sight words for grade level
- Contractions
- Compound words
- Reading Fluency
- Comprehension
- Parts of Speech and Grammar
- Proper formation of uppercase/lowercase letters, neatness, placement, spacing
- Write for various purposes
- Writing Conventions and Fluency
- Write several complete sentences about one topic
- Components of a story: Setting, Characters, Problem, Solution
- Short/Long Vowel Sounds
- Blends/Digraphs-ch, th, ph, wh
- L-Blends- cl, gl, pl
- Capitalization, Correct Punctuation
- Nouns (Proper Nouns, Plural Nouns), Verbs, Adjectives, Adverbs
- Compare/Contrast
- Writing a paragraph
- Write a friendly letter
- Write 3-4 sentence answering journal prompts

### Math

- Comparing numbers
- Understand and apply properties of operations & the relationship between addition and subtraction.
- Single/double digit addition & subtraction up to 20
- Addition and subtraction equations
- Extend the counting sequence
- Understand place value to the hundreds place
- Use understanding of place value & properties of operations to add and subtract
- Tell and write time to the hour and half hour
- Measure length
- Reason with shapes and their attributes
- Understand 2D and 3D shapes
- Problem Solving
- Story Problems
- Estimation

- Fractions\*
- Mental Math
- Graphs and Data
- Comparing numbers
- Money-Identify coins (penny, nickel, dime, quarter)\*

### Religion

- The Mass (Symbols and process of Mass)
- Sacraments (Baptism)
- Prayers (Glory Be, The Our Father, Sign of the Cross, St. Michael Prayer, Meal Prayers)
- Liturgical Year/Calendar (Symbols/Colors)
- Feast Days
- Basic structure of the Bible
- Bible Stories and Timeline
- Understand that God loves each and every one of us
- Learn and demonstrate that every person deserves love, care, and respect

### Science

- Solar System
- Space Systems: sun, moon, stars, seasons
- Waves: Light and Sound
- Life Cycle
- Weather
- Position & Motion of Objects
- Natural Resources
- Animal Kingdoms
- Animal Habitats
- Engineering Design

### Social Studies

- Map skills
- Geography
- Different Cultures/Customs
- Families (i.e.: Early American Settlers, Ancient Egypt, Aztecs)
- National holidays
- Our Government

### Technology

- Learning basic keyboard strokes
- Interact with the Smart Board & laptops
- Play educational games
- IXL and abcya.com

## SECOND GRADE

### Language Arts

- Read & spell basic sight words for grade level
- Decoding strategies/ Phonemic awareness
- Reading fluency & comprehension
- Guided reading, leveled readers
- Informational texts
- Begin dictionary use, glossary, parts of text book
- Compare/Contrast
- Main Idea, sequential order
- Parts of speech & grammar
- Writing conventions
- Journal writing
- Beginning, middle, end of written passage
- Who, what, where, why when?
- Begin paragraph structure
- Book reports, Informational reports
- Author's chair, sharing written work
- Independent reading
- Introduction to cursive writing

### Math

- Place Value
- Adding & subtracting with regrouping
- Roman numerals
- Geometry
- Fractions
- Decimals
- Measurement
- Expanded form money & time
- Probability
- Problem solving
- Mental math
- Fractions & data
- Use IXL and Star Math (software programs)

### Religion

- Preparation for Reconciliation
- Recognize the "Our Father" as a prayer for forgiving others and asking God's forgiveness for our sins

- Understanding & defining sin
- Participate in various prayer forms (silent prayer, writing prayer, reading prayer)
- Listen, locate & respond to scriptures from the Bible
- Learning Catholic vocabulary
- Learn the Act of Contrition
- Participating in Stations of the Cross

### Science

- Structure and Properties of Matter
- Interdependent Relationships in Ecosystems (habitats, needs of plants and animals)
- Earth's Systems: Processes that Shape the Earth (earthquakes, volcanoes, wind/rain, water on the earth)
- Human Body Systems
- Engineering Design

### Social Studies

- Native Americans
- Thirteen Colonies
- Branches of Government
- Constitution
- American Democracy
- American symbols
- Elements of a map
- Human vs. Natural elements
- Needs vs. Wants
- Bartering goods & services
- Preserving natural resources

### Technology

- Beginning keyboarding skills, techniques, letters numbers, and other key features
- Beginning word processing
- Understand and demonstrate skills apply to produce a word processing document
- Use skills to write word documents, poems, letters, paragraphs
- Create a word document using clip-art
- Know how to print final document
- Educational, and coding games

## THIRD GRADE

### Language Arts

- Decoding Strategies/ Phonemic Awareness
- Reading Fluency & Comprehension
- Parts of Speech & Grammar
- Writing Conventions & Fluency
- Paragraph Structure
- Book Reports
- Differentiated reading groups
- Star Reader
- Comprehending text/text features in different genres
- Determine the message/moral/lesson from text
- Character/Plot/Setting
- Context Clues
- Determine Point of View
- Main Idea/Details
- Time Lines/Sequential Order
- Compare/Contrast Texts
- Make Predictions Using Previous Knowledge
- Cite References/Bibliography on Research Projects
- Write using different purposes (for example: personal opinion, inform, personal narrative)
- Following Multi-Step directions
- Leading Group Discussions
- Cursive Handwriting

### Math

- Place Value
- Adding & Subtracting with regrouping
- Geometry
- Fractions & decimals
- Measurement
- Money & Time
- Multiplication & Division facts
- Probability
- Problem Solving
- Mental Math

- Fractions & Data
- IXL & Star Math (software programs)

### Religion

- The Mass
- Sacraments
- Prayer
- Liturgical year
- Feast days
- Basic structure of the Bible
- Bible stories & timeline
- Gifts of the Spirit
- Preparation for First Holy Eucharist and Confirmation

### Science

- Forces and Interactions
- Interdependent Relationships in Ecosystems
- Inheritance and Variation of Traits; Life Cycle and traits
- Weather and Climate
- Engineering Design

### Social Studies

- Economics
- Map Skills
- State Reports
- Ancient Explorers
- Current Events
- American History

### Technology

- Keyboarding
- Word Documents
- PowerPoint
- Internet Resources

## FOURTH GRADE

### Language Arts

- Phonics/Decoding; Recognize sound/letter patterns
- Spell words frequently misspelled
- Domain specific vocabulary
- Homophones; Compound words; Words Roots; Connotations; Antonyms/Synonyms
- Possessives; Contractions; Plurals
- Syllabication Patterns; Affixes Subject & Predicates
- Parts of Speech; Verb tense/subject-verb agreement
- 6 Traits of Writing (writing process)
- Compare/Contrast; Sequence of Events; Story Structure; Cause/Effect; Drawing Conclusions; Categorize/Classify
- Recognize Main Idea, Topic, and Supporting Details
- Making Judgments and Generalizations
- Recognize Author's Viewpoint
- Recognize Fact and Opinion
- Predict/infer; Retell/Summarize; Evaluate; Report
- Distinguish necessary information
- Give and follow directions
- Dramatize: Reader's Theater, plays, poetry
- Use dictionary, glossary, thesaurus
- Read/use graphic aids (charts, tables, graphs, schedules, time lines, diagrams)
- Use print references; take notes, outline

### Math

- Use four operations with whole numbers to solve problems
- Gain familiarity with factors and multiples
- Generate and analyze patterns
- Generalize place value understanding for multi-digit whole numbers
- Use place value understanding and properties of operations to perform multi-digit arithmetic
- Extend understanding of fraction equivalence and ordering
- Build fractions from unit fractions
- Understand decimal notation for fractions and compare decimal fractions
- Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit
- Represent and interpret data
- Understand concepts of an angle and measure angles
- Draw & identify lines and angles
- Classify shapes by properties of their lines and angles

### Religion

- Sin; and the consequences of
- Examination of conscience and forgiveness
- Understanding sacraments as special gifts of grace
- The gift of God's son in the Eucharist and Reconciliation
- Participate in sacramental celebrations
- Research and share lives of the saints
- Participate and identify the rituals associated with saints
- Recognize the Holy Spirit as life giving through Confirmation
- Listen and discuss the story of Pentecost
- Name/ list the gifts and fruits of the Holy Spirit
- Identify the symbols & rites of Confirmation

### Science

- Energy
- Waves and Formations
- Structure Function and Information Processing in Plants & Animals (5 Senses, Brain/Body Systems)
- Earth's Systems: Processes that Shape the Earth
- Scientific Method
- Engineering Design

### Social Studies

- Foundations of government; Symbols of government; Responsibilities of government
- United States landmarks
- Describe how identity of a region is influenced by past events and heritage of its people
- Discuss the role of contemporary Catholic leaders
- Aztec and Incan empires
- Exploration of the Americas
- Compare and contrast different regions and states
- Arizona state history

### Technology

- Microsoft Word, Excel, PowerPoint; Publisher
- E-Books, Prezi
- Use internet resources appropriately
- Successfully use websites and submit work related to classwork, both in class and for homework

## FIFTH GRADE

### Language Arts

- Read and analyze various texts and genres including novels, poetry, & nonfiction
- Develop & refine higher order thinking and problem solving skills
- Focus on author's purpose, word choice, and other strategies that writer's use to become better writers.
- Focus on the 5 stages of the writing process
- Grammar
- Parts of speech
- Sentence structure
- Present speeches and participate in group presentations

### Math

- Write and interpret numerical expressions
- Analyze patterns and relationships
- Understand place value
- Perform operations with multi-digit whole numbers and with decimals to hundredths
- Use equivalent fractions as a strategy to add and subtract fractions
- Apply and extend previous understandings of multiplication and division to multiply and divide fractions.
- Represent and interpret data
- Convert like measurement units within a given measurement system
- Graph points on the coordinate plane to solve real-world math problems
- Understand concepts of volume and relate volume to multiplication and addition
- Classify two-dimensional figures into categories based on their properties

### Religion

- Profession of faith
- In-depth study of all seven Sacraments
- Life in Christ (Christian Living)
- Beatitudes, Gifts of the Spirit, 10 Commandments
- Catholic prayers
- Participate in the Liturgy, devotions, and feast day celebrations

### Science

- Structure and properties of Matter
- Matter and Energy in Organisms and Ecosystems
- Earth Systems; biosphere, hydrosphere, atmosphere
- Space Systems: Stars and the Solar System
- Scientific Method
- Engineer Design

### Social Studies

- Early civilizations in America
- Exploration and colonization of America
- American Revolution
- The New Nation
- Westward Expansion
- US Civil War and Reconstruction
- Emergence of Modern U.S.
- Great Depression and World War II
- Post War U.S.
- Contemporary U.S.

### Technology

- Microsoft Word, Excel, PowerPoint; Publisher
- E-Books, Prezi
- Use internet resources appropriately
- Successfully use websites and submit work related to classwork, both in class and for homework

## SIXTH GRADE

### Language Arts

**Reading:** Plot elements, inferences, conflict, point of view, understanding themes, sensory language imagery, style; poetry, reading for information, biographies and autobiographies, compare/contrast

**Writing:** Writing a narrative story, personal narrative, structured poetry, "How to" explanations, literary analysis

**Language:** Analogies, avoid sentence fragments, capitalization, combining sentences, compound sentences, denotations, connotations, compound words, correct verb tense, using correct punctuation

### Math

*\* 6<sup>th</sup> grade math covers all of the 6<sup>th</sup> grade standards, and the first half of the 7<sup>th</sup> grade standards*

#### 6<sup>th</sup> Grade Standards

- Numerical expressions and factors
- Fractions and decimals
- Algebraic expressions and properties
- Areas of polygons
- Ratios and rates
- Integers and the Coordinate Plane
- Equations and Inequalities
- Surface Area and Volume
- Statistical Measures
- Data Displays

#### 7<sup>th</sup> Grade Standards

- Integers
- Rational Numbers
- Expressions and Equations
- Ratios and Proportions
- Percent

### Religion

- The teachings of Jesus and his ancestors as seen in Hebrew and Christian Scriptures
- Recognize how God reveals himself on Scriptures and Traditions, with an emphasis on Salvation history
- Understand one's role as part of the family, church, and community

- Develop one's own prayer life, especially using Scripture as part of a deepening relationship with God

### Science

- Geology
- Meteorology
- Astronomy
- Earth's surface
- Earth's history
- Minerals and rocks
- Water and atmosphere
- Weather and climate
- The Universe
- Exploring space
- Solar System
- Earth-Moon-Sun Systems
- Scientific method
- Engineering design

### Social Studies

- World history
- Ancient civilizations through the Renaissance
- Early humans and societies
- Mesopotamia, Egypt and Kush
- Civilization in India and China
- Foundations of Western Ideas
- The Roman World
- Islamic and African Civilizations
- Empires of Asia and the Americas
- Renewal in Europe

### Technology

- Microsoft Word, PowerPoint, Excel
- Internet research
- Google Sketch-Up, Google Drawing
- Programming/Coding
- Prezi
- Blender



## SEVENTH GRADE

### Language Arts

**Reading:** Plot, characters, setting, characters, point of view, understanding theme, mood and style, read science fiction, appreciate poetry, myths, legends, epics and tales, reading for information, biographies and autobiographies, supporting an opinion, compare and contrast

**Writing:** Free verse and structured poetry, start a short story, "How to" explanations; follow directions; personal narrative, literary analysis

**Language:** Complete sentences, correct punctuation, punctuate dialogue, antonyms as context clues, verb tense, appositive phrases, understand prepositions, use of active voice, foreign words in English, analogies, specialized vocabulary, using conjunctive adverbs

### Math

\* 7<sup>th</sup> grade math covers the second half of the 7<sup>th</sup> grade standards and all of the 8<sup>th</sup> grade standards

#### 7<sup>th</sup> Grade

- Inequalities
- Constructions and Scale Drawings
- Circles and Area
- Surface Area and Volume
- Probability and Statistics

#### 8<sup>th</sup> Grade

- Equations
- Transformations
- Angles, Triangles
- Graphing and writing Linear Equation
- Real numbers and the Pythagorean Theorem
- Volume and Similar Solids
- Exponents and Scientific Notation

### Religion

- Respond to the message of Jesus Christ who is present to us today in the Church and the world
- Discover the person and teachings of Jesus through Christian Scriptures
- Understand and recognize visible signs of God's grace
- Respond to Christ's message with actions
- Retell the accounts of the early Church, focusing on the gifts of the Holy Spirit

- Define the roles of the Pope, cardinals, bishops, priests, deacons, laity & religion
- Describe the teachings of Scripture of the New Testament on death, judgment, and Jesus' second coming

### Science

- Cell Structure, Cell Biology and Ecology
- Growth, Development and Reproduction in Organisms
- Human Body Systems
- Natural Selection and Adaptations
- Ecosystems
- Scientific Method
- Engineering design

### Social Studies

#### United States History: Part 1

#### Our Colonial Heritage

- The World before the Opening of the Atlantic beginnings to 1500
- New Empires in the Americas 1400-1750;
- The English Colonies 1605-1774
- The American Revolution 1778-1783

#### A New Nation

- Forming a Government 1777-1791
- Citizenship, and the Constitution 1787 to present
- Launching the Nation 1789 -1800

#### The New Republic

- The Jefferson Era 1800-1815; A New National Identity 1812-1830
- The Age of Jackson 1828-1840
- Expanding West 1800-1855

#### The Nation Expands

- The North 1790-1860; The South 1790-1860
- New Movements in America 1815-1850
- A Divided Nation 1848-1860

#### The Nation Breaks Apart (Civil War)

- The Civil War 1861-1865; Reconstruction 1865-1877

### Technology

- Microsoft Word, PowerPoint, Excel
- Internet research
- Google Sketch-Up, Google Drawing
- Programming/Coding
- Prezi, Blender, Robotics

## EIGHTH GRADE

### Language Arts

**Reading:** Plot, conflict, resolution, sequence, character analysis, character's motivation, 1st and 3rd person POV, Setting, mood, science fiction, imagery, theme, symbol, universal theme, drama, lyric, traditional and narrative poetry, style, voice, tone, cultural conflict

**Writing:** Personal narrative, critical review, short story, literary analysis, cause and effect, procedural text, persuasive essay, research strategies

**Language:** avoid sentence fragments and run-on sentences, progressive forms, verb tenses, misplaced modifiers, homographs, prefixes, suffixes, connotation, denotation, form compound sentences, colons, context clues, parallel structure, Latin and Greek roots

\* *Prep for High School Entrance Exam in Reading Comprehension, Vocabulary, Grammar and Essay Writing.*

### Math

#### Algebra I

- Solving Absolute Value Linear Equations
- Solving Compound Inequalities
- Solving Inequalities in Two Variables
- Systems of Linear Equations; Linear Functions
- Exponential Equations and Functions
- Polynomial Equations and Factoring
- Graphing Quadratic Equations
- Solving Quadratic Equations
- Square Root Functions and Geometry
- Rational Equations and Functions
- Data Analysis and Displays
- *Prep For High School Entrance Exam in Quantitative Skills, and Math Concepts and Problem Solving*

### Religion

- Understand and appreciate the history and character of the Church community while developing a personal faith.
- Develop a knowledge of the history of the Church
- Understand one's role in the Church community
- Demonstrate that all people are called to further the Kingdom of God by living the Good News of the Gospel
- Chart the role of the various groups in the church: Pope, cardinals, bishops, priests, religious communities, etc.

- Describe the history, work, and role of religious communities and the call to religious life today

### Science

- Physical Science
- Structures and Properties of Matter
- Chemical Reactions
- Forces and Interactions
- Energy
- Waves and Electromagnetic Radiation
- Scientific Method
- Engineering Design

### Social Studies - United States History: Part 2

#### A Growing America 1850-1914

- Americans Move West 1850-1890
- The Industrial Age 1876-1900
- Immigrants and Urban Life 1872-1914

#### The Beginning of Modern America 1867-1920

- The Progressive Spirit of Reform 1868-1920
- America as a World Power 1867-1920
- World War I 1914-1920

#### Boom Times And Challenges 1919-1945

- The Roaring Twenties 1919-1929
- The Great Depression 1929-1939
- World War II 1938-1945

#### Postwar America 1945-1975

- Early Years of the Cold War 1945-1959
- The Civil Rights Movement 1945-1975
- The Vietnam War Years 1960-1975

#### Modern America 1968-Present

- Searching for Order 1968-1988
- America Looks To The Future 1988- Present

### Technology

- Microsoft Word, PowerPoint, Excel
- Internet research
- Google Sketch-Up, Google Drawing
- Programming/Coding
- Prezi, Blender, Robotics