

Grace School Curriculum Framework Overview

Pre-Kindergarten

Math	Language Arts	Social Studies	Science	Christian Studies
<p><u>Numbers and Operations</u> Verbally count in sequence Develop and awareness of numbers and their uses Compare and order groups of objects Solve and create oral number stories</p> <p><u>Algebra</u> Recognize and match attributes of objects Create and extend repeating patterns</p> <p><u>Geometry</u> Recognize and describe basic two dimensional shapes Use spatial reasoning in concrete tasks</p> <p><u>Measurement</u> Distinguish and describe size attributes Experience standard measuring tools and their uses Sequence familiar events in time</p> <p><u>Data Analysis & Probability</u> Collect and represent data in a variety of ways</p>	<p><u>Reading</u> Listening and speaking skills Phonological awareness Concepts of print Begins to identify some high frequency words Participates in pre-reading activities</p> <p><u>Writing</u> Writes first and last name Begins to understand basic print conventions Proper pencil grip and letter formation</p> <p><u>Elements of Language</u> Begins to identify letter sounds Uses correct grammatical construction in their own speech</p>	<p><u>Culture</u> Recognize that all cultures have family units</p> <p><u>Economics</u> Understands basic human needs of all people</p> <p><u>Geography</u> Orally recite address and phone number</p> <p><u>Governance and Civics</u> Identifies and follows classroom rules Understands the roles and responsibilities of community workers Identify authority figures in the home, school and community Identify the flags of the United States and Texas Recite the Pledge of Allegiance</p> <p><u>History</u> Connects past events to current events</p> <p><u>Individual, Groups, and Interactions</u> Begins to participate in group activities Interacts with peers during activities</p>	<p><u>Life</u> Describes characteristics of living things</p> <p><u>Earth</u> Recognize that we live on planet Earth Daily weather conditions</p> <p><u>Physical</u> Solves simple design problems (making a box into a house) Describes properties of simple objects</p>	<p>Lessons from Ruth</p> <p>David and Goliath</p> <p>David unites Israel</p> <p>Solomon builds a Temple</p> <p>Promise of a Messiah</p> <p>Waiting, preparing, and welcoming , and announcing a Savior</p> <p>The Parables</p> <p>The Last Supper</p> <p>Travels with Paul</p>

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Kindergarten

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<p><u>Numbers and Operations</u> Count on by ones to 20 Count to 100 by 1's, 2's, 5's and 10's Order numbers less than 20 Use manipulatives to model $\frac{1}{2}$ Concepts of addition and subtraction</p> <p><u>Algebra</u> Sort objects by size, shape, color and kind Identify patterns Create repeating patterns Identify basic number sentences</p> <p><u>Geometry</u> Identify and create specific shapes Identify shapes having line symmetry</p> <p><u>Measurement</u> Use words to describe time and temperature Measure to compare weight and length using nonstandard tools Tell time to hour and $\frac{1}{2}$ hour Identify and name coins</p> <p><u>Data Analysis & Probability</u> Use simple graphs Collect and organize data as a class Describe events using basic probability terms</p>	<p><u>Reading</u> Distinguish letters from numbers Begin using reading/comprehension strategies Phonological Awareness Listening and speaking skills Identify environmental print Participate in guided, shared and independent Reading Beginning concepts of print Read grade level high frequency words with automaticity Build vocabulary through word study</p> <p><u>Writing</u> Participate in making graphic organizers Express themselves through writing and illustrations Write using invented spelling</p> <p><u>Elements of Language</u> Awareness of capitalization and punctuation Awareness of capital and lowercase letters Rhyming words and blends Recognize and name most letters Notice and isolate words within a text</p>	<p><u>Culture</u> Identify similarities and differences among people Explain the value of family traditions and customs Describe customs of the local community</p> <p><u>Economics</u> Identify basic human needs and how they are met Explain why people have jobs Distinguish between wants and needs</p> <p><u>Geography</u> Explain what a globe and map represent Describe seasons and how weather impacts our daily life Identify the concept of physical features (mountains, hills, plains, oceans, islands)</p> <p><u>Governance and Civics</u> Recognize what makes a person a citizen Identify authority figures in the home, school, and community Identify purposes for having rules Know safety rules including signs and signals Recite the Pledge of Allegiance Explain the reasons for national holidays</p> <p><u>History</u> Recognize that each family has a family tree Recall family stories and celebrations to develop a personal history</p> <p><u>Individual, Groups, and Interactions</u> Describe how individuals meet their needs and wants Explain the consequences of an individual's decisions and actions</p>	<p><u>Life</u> Recognize and describe the five senses Categorize objects as living and non-living</p> <p><u>Earth</u> Daily weather conditions Recognize a variety of earth's materials Classify objects as natural or manmade</p> <p><u>Physical</u> Describe an object using simple properties Recognize that heat and light energy come from the sun Identify different sounds and their sources</p>	

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First Grade

Math	Language Arts	Social Studies	Science	Christian Studies
<p><u>Numbers and Operations</u> Count by 1's, 2's, 5's, and 10's past 100 Read, write and model with manipulatives numbers up to 1,000 Place Value using manipulatives Use manipulatives to model $\frac{1}{2}$, $\frac{1}{3}$, and $\frac{1}{4}$ Odd and even numbers Beginning Addition and Subtraction facts</p> <p><u>Algebra</u> Greater than, less than, equal to Extend, describe, and create patterns</p> <p><u>Geometry</u> Identify and describe specific figures Identify line symmetry in shapes</p> <p><u>Measurement</u> Measure using standard and nonstandard measuring tools Know and compare the value of coins and dollar bills and make exchanges among coins Identify tools for measuring time and temperature Time to the hour, $\frac{1}{2}$ hour, and $\frac{1}{4}$ hour Calendar skills</p> <p><u>Data Analysis & Probability</u> Use a variety of charts and graphs to collect and analyze data Find the maximum and minimum of a data set Describe events using probability terms</p>	<p><u>Reading</u> Build vocabulary through word study Use reading/comprehension strategies Listening and speaking skills Read grade level high frequency words with automaticity Participate in guided, shared and independent Reading Comprehension skills</p> <p><u>Writing</u> Create readable documents with legible handwriting Write in complete sentences Discuss and react to writing Write for specific purposes (friendly notes, messages and in journals)</p> <p><u>Elements of Language</u> Use nouns, verbs, pronouns, and adjectives appropriately Use correct capitalization Spell words correctly as appropriate to grade level Dictionary skills</p>	<p><u>Culture</u> Explain the culture of family and community Recognize that culture includes customs, beliefs, rules, language, food, and clothing</p> <p><u>Economics</u> Identify and distinguish between goods and services Identify and distinguish between consumers and producers</p> <p><u>Geography</u> Map and globe skills Cardinal directions Natural resources</p> <p><u>Governance and Civics</u> Identify leaders in the community, state and nation Define citizenship and responsibility</p> <p><u>History</u> Distinguish between past, present, and future Recognize major events in American History</p> <p><u>Individual, Groups, and Interactions</u> Recognize that individuals have responsibilities to the group Recognize the importance of individuals and families as part of neighborhoods Describe nuclear and extended families Introduce the concepts of fairness, justice, and equity</p>	<p><u>Life</u> Compare and contrast plants and animals Organisms and their Environments</p> <p><u>Earth</u> Distinguish between land and water environments Identify ways that earth's resources benefit man</p> <p><u>Physical</u> Compare objects according to weight, length, and size Distinguish between solids and liquids</p>	

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Second Grade

Math	Language Arts	Social Studies	Science	Christian Studies
<p><u>Numbers and Operations</u> Count on by one and various skip counting patterns past 1,000 Read, write and model numbers to 10,000 with manipulatives Place Value Compare and order numbers to 10,000 Addition and subtraction facts to 18 Compare values of coin and bill combinations Beginning multiplication and division</p> <p><u>Algebra</u> Solve number sentences involving addition and subtraction Mental Arithmetic</p> <p><u>Geometry</u> Draw beginning lines and angles Identify and describe specific plane and solid figures Create two dimensional shapes</p> <p><u>Measurement</u> Measure length (inch, centimeter) Area Exchanges between coins and bills Red temperature (Celsius and Fahrenheit) Time to the nearest five minutes</p> <p><u>Data Analysis & Probability</u> Find the maximum, minimum, mode and median of a data set Use a variety of charts and graphs to collect and analyze data</p>	<p><u>Reading</u> Build vocabulary through word study Participate in guided, shared and independent Reading Language Enrichment (word recognition, oral reading, fluency and accuracy) Literature circles Read grade level high frequency words with automaticity Use reading strategies independently Comprehension Skills</p> <p><u>Writing</u> Discuss and react to writing Write for specific purposes (to express opinions and judgments, and reports) Select a focus for writing Compose first drafts Revise and edit writing</p> <p><u>Elements of Language</u> Use punctuation and spelling rules appropriately Use appropriate language structure in written and oral communication</p>	<p><u>Culture</u> Compare and contrast cultures with our own Identify and explain examples of culture</p> <p><u>Economics</u> Exchange of goods and services Economic systems Know major products of states in USA</p> <p><u>Geography</u> Identify oceans, hemispheres, and continents on a map and globe Locate the states on a map</p> <p><u>Governance and Civics</u> Identify functions of governments Identify qualities of good citizenship Identify governmental services in the community</p> <p><u>History</u> Explain the significance of various community, state and national holidays Create and interpret timelines Use vocabulary related to chronology (past, present, future)</p> <p><u>Individual, Groups, and Interactions</u> Describe how groups work independently and cooperatively to accomplish goals within a community Recognize that individuals have a role in each group in which they participate</p>	<p><u>Life</u> Recognize the different kinds of plants and their parts Recognize different types of pollutants</p> <p><u>Earth</u> Explore the phases of the moon Recognize the earth's major geological features Conservation of natural resources Classify various types of rocks describe the solar system and order of the planets</p> <p><u>Physical</u> Recognize the concept of gravity Identify the states of matter Identify sources of light and heat</p>	

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Third Grade

Math	Language Arts	Social Studies	Science	Christian Studies
<p><u>Numbers and Operations</u> Read and write whole numbers to 1,000,000 Decimals through hundredths Place Value Read, write and model fractions Equivalent fractions Multiples of 2 ,5, and 10 Compare and order numbers to 1,000,000 Solve all addition and subtraction facts with automaticity Multiplication facts to 10 Addition and subtraction of decimals</p> <p><u>Algebra</u> Solve number sentences involving all operations Order of operations</p> <p><u>Geometry</u> Identify and draw line and angles Identify, describe, model and compare shapes using geometric terms</p> <p><u>Measurement</u> Measure length, centimeter, and weight Measure perimeter Measure area Time to nearest minute</p> <p><u>Data Analysis & Probability</u> Find the maximum, minimum, range, mode, and median of a data set Probability</p>	<p><u>Reading</u> Literature Circles Novel Study Build vocabulary through word study Read with increasing fluency Use reading strategies independently Comprehension Skills</p> <p><u>Writing</u> Participate in creative responses to text Identify the audience for which a text is written Write using descriptive language Begin to recognize author’s style of writing and analyze the writer’s craft Write to describe story elements Identify themes in text Recognize the characteristics in a range of genres</p> <p><u>Elements of Language</u> Recognize usage errors Apply grammatical conventions and spelling rules when writing and editing</p>	<p><u>Culture</u> Retell heroic deeds of characters from folktales and legends Compare cultural differences among various regions of the world</p> <p><u>Economics</u> Identify examples of scarcity Distinguish between imports and exports</p> <p><u>Geography</u> Identify the different regions of the world Cardinal and intermediate directions Understand the concept of ecosystems Recognize major global concerns</p> <p><u>Governance and Civics</u> Recognize who makes laws in the state Identify examples of the differences between the rights and responsibility of citizens</p> <p><u>History</u> Compare various interpretations of the same time period Identify the heroic deeds of characters from state, national, and global histories</p> <p><u>Individual, Groups, and Interactions</u> Discuss conflict, cooperation, and interdependence among individuals, groups, and nations Examine the relationships between personal wants and needs and global concerns Identify examples of actions that individuals or groups can take to improve their community</p>	<p><u>Life</u> Understand the process of Photosynthesis Describe how pollution affects the environment in various forms Describe the life cycle of organisms</p> <p><u>Earth</u> Explain the relationship between rocks and minerals Understand the concepts of reduce, reuse and recycle Compare and contract a variety of different landforms and bodies of water</p> <p><u>Physical</u> Describe the relationship between force and motion Identify mixtures and solutions</p>	

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Fourth Grade

Math	Language Arts	Social Studies	Science	Christian Studies
<p><u>Numbers and Operations</u> Read, write and compare numbers through 1,000,000,000 Decimals through thousandths Place Value Factors Equivalent names for fractions and decimals Compare and order integers between -100 and 0 Solve multiplication facts with automaticity Single digit division</p> <p><u>Algebra</u> Algebraic notation Solve a variety of number sentences Order of operations</p> <p><u>Geometry</u> Identify, draw, and describe lines and angles Reflections, translations, and rotations</p> <p><u>Measurement</u> Measure perimeter and area Volume Customary and metric units Ordered pairs Coordinate grids</p> <p><u>Data Analysis & Probability</u> Analyze and interpret data on charts, tables, graphs, and line plots Probability</p>	<p><u>Reading</u> Literature Circles Novel Study Read with increasing fluency Differentiate between literary elements in different genres Participate in creative responses to text Understand and explore the sounds of language (alliteration, onomatopoeia) Distinguish between first and third person point of view</p> <p><u>Writing</u> Incorporate vivid language Begin to develop voice in written works Write with a sense of audience Introduce writing in the expository mode Write with developed characters, settings, and plot Produce a variety of creative works using knowledge from content areas Write for a variety of purposes</p> <p><u>Elements of Language</u> Use appropriate language structure in written and oral communication</p>	<p><u>Culture</u> Describe how European settlers created a new culture Summarize the contributions of people of various groups in the development of early Texas</p> <p><u>Economics</u> Concepts of supply, demand, and price Recognize the differences between the barter and money system Analyze the impact of European exploration and colonization on the economy of Texas</p> <p><u>Geography</u> Use latitude, longitude, and time zones to locate specific places and on a map Identify on a map the routes of Americas' explorers Map Skills Identify on a map the regions of Texas</p> <p><u>Governance and Civics</u> Explain how early settlements governed their communities Explain action citizens take to influence public policy decisions</p> <p><u>History</u> History of Texas Early Explorers and settlements</p> <p><u>Individual, Groups, and Interactions</u> Identify leadership qualities in leaders of the past Identify and describe examples of tension between a group's belief system and the government's policies and laws.</p>	<p><u>Life</u> Cell structure and function Explain how food is used for energy Identify populations as thriving, endangered or extinct Describe how plants and animals interact with each other in their environment</p> <p><u>Earth</u> Demonstrate how the earth rotates and revolves Identify cloud types and the weather associated with each Erosion Identify the layers of the earth Distinguish between renewable and nonrenewable resources Identify components and characteristics of soil</p> <p><u>Physical</u> Recognize simple machines Identify factors that affect the amount of friction Determine how types of matter change state Identify different forms of energy Construct and explain a simple electrical circuit Categorize materials as conductors or insulators Recognize that various materials conduct heat</p>	

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Fifth Grade

Math	Language Arts	Social Studies	Science	Christian Studies
<p><u>Numbers and Operations</u> Read and write whole numbers and decimals Solve problems using percents and discounts Prime and composite numbers Prime factorization Equivalent names for fractions, decimals, and percents Mixed number fractions Mental Arithmetic Solve multiplication and division facts with automaticity</p> <p><u>Algebra</u> Solve open number sentences Solve linear equations with one unknown Order of operations Describe and apply properties of arithmetic</p> <p><u>Geometry</u> Investigate properties of two and three dimensional geometric shapes Identify, describe and sketch reflections, translations, and rotations</p> <p><u>Measurement</u> Measure perimeter and area Volume Define and use <i>pi</i> Customary and metric units Ordered pairs and coordinate grids</p> <p><u>Data Analysis & Probability</u> Organize data into charts, tables, graphs, and lone plots Express probability as a fraction, decimal, or percent</p>	<p><u>Reading</u> Literature Circles Novel Study Read with increasing fluency Make inferences and recognize unstated assumptions Identify the techniques of propaganda Identify the conflict of the plot Experience and develop an awareness of literature that reflects a diverse society Distinguish amongst various literary genres</p> <p><u>Writing</u> Produce multiple drafts Use precise language including vivid words and figurative language Develop an identifiable voice in written work Write narratives, descriptives, expository paragraphs, and essays</p> <p><u>Elements of Language</u> Use appropriate language structure in written and oral communication</p>	<p><u>Culture</u> Explain how immigrants preserved their traditional culture while creating a new American Culture Analyze the effects of immigration and migration Identify significant examples of art, music, and literature from various periods in U.S. history</p> <p><u>Economics</u> Differentiate between an economic boom and bust Benefits of Free enterprise system in the U.S.</p> <p><u>Geography</u> Locate continents and significant bodies of water Recognize and compare landforms, climate, and natural resources Explain human modifications to the physical environment Map Skills</p> <p><u>Governance and Civics</u> Describe important individual rights and freedoms Distinguish between national and state governments</p> <p><u>History</u> Chart the course of major events throughout the Civil War Identify the locations of southern and northern states Assess the lasting impact of the Civil War and Reconstruction</p> <p><u>Individual, Groups, and Interactions</u> Identify and describe examples of tension between an individual's beliefs, government policies, and laws Analyze the role of individuals and groups in elections</p>	<p><u>Life</u> Single cell and multi-cellular organisms Predict consequences of human action on the environment Complete and incomplete metamorphosis Animal adaptations</p> <p><u>Earth</u> Analysis of atmospheric data to predict weather conditions Condensation, evaporation, and precipitation The Water Cycle</p> <p><u>Physical</u> Distinguish between physical and chemical changes Acids and bases Potential and Kinetic energy Magnets</p>	

Grace School Curriculum Framework Overview
Sixth Grade

Math	Language Arts	Social Studies	Science	Christian Studies
Algebraic Expressions Solve multi-step problems Inequalities Linear functions and graphs Integers Evaluate expressions Order of Operations Area and Volume Statistics and Probability Graphing on Coordinate Plane Geometry Solving equations Decimals	<u>Literature</u> Literature study and reading is novel driven Selected stories and materials supplement literature instruction <u>Writing</u> Literature analysis Poetry Research Personal narratives Essay <u>Grammar</u> Nouns, verbs, adjectives Verb and verb phrases Punctuation Prepositional phrases <u>Vocabulary</u> Novel-based vocabulary Sadlier-Oxford Vocabulary Workshop	<u>Ancient Civilizations</u> Early Middle Eastern and North African Civilizations Early Asian Civilizations Ancient Israelites Ancient Greeks Classical Greece The rise of the Roman Empire Christianity and the fall of Rome	<u>Earth Science</u> Lab safety Scientific method Minerals Rocks Rock and fossil record Plate tectonics Earthquakes Weathering and soil formation Erosion and deposition Oceans The Atmosphere Weather	Old Testament Survey New Testament Survey Christian Studies

Grace School Curriculum Framework Overview
Seventh Grade

Math	Language Arts	Social Studies	Science	Christian Studies
<p><u>Pre-Algebra</u> Algebraic Expressions Problem Solving Integers, rational numbers, real numbers Solving one step inequalities Graphing on a coordinate plane Linear functions Geometry and spatial reasoning Area and volume Data Analysis and Probability Solve multi-step equations Proportions Ratios Exponents Factors</p>	<p><u>Literature</u> Literature analysis, is novel driven. Genre and literary terminology focus Selected stories supplement <u>Writing</u> Literature analysis Poetry Short story Essay Research <u>Grammar</u> Subjects and predicates Verbals Compound subjects and verbs Parts of speech review <u>Vocabulary</u> Novel-based vocabulary Sadlier-Oxford Vocabulary Workshop</p>	<p><u>World History</u> Links to the ancient world The growth of Islam African civilizations Asian Civilizations Medieval Societies Europe: 1300-1600 Civilizations of the Americas Europe: 1600-1789</p>	<p><u>Life Science</u> Lab safety Scientific Method Cells Heredity Genes and Gene Technology The evolution of Living Things Classification Bacteria and Viruses Protists and Fungi Invertebrates Vertebrates Body Organization and Structure</p>	<p>Old Testament Survey New Testament Survey Christian Studies</p>

Grace School Curriculum Framework Overview
Eighth Grade

Math	Language Arts	Social Studies	Science	Christian Studies
<u>Algebra</u> Polynomials Real numbers Solve multi-step equations Linear Equations Rational Expressions Solve radical equations Quadratic equations Exponential functions Absolute Value Probability Functions Direct and inverse variation Inequalities	<u>Literature</u> Literature analysis, synthesis and evaluation is novel driven Selected stories and materials supplement literature instruction <u>Writing</u> Creative writing Literature analysis Poetry Personal Narratives Research Project <u>Grammar</u> Parts of speech review Sentence structure Subject/verb agreement <u>Vocabulary</u> Novel-based vocabulary Sadlier-Oxford Vocabulary Workshop	<u>American History: 1754-Present</u> European colonization Growth of the colonies The Constitution An Emerging New Nation Division and Reunion Expansion Becoming a World Power World War I The Great Depression The New Deal World War II The Cold War The Civil Rights Movement Vietnam War The Conservative Revolution	<u>Integrated Physics and Chemistry</u> Matter The Periodic Table Atoms Chemical reactions Solutions Force and Motion Work and energy Sound and light Electricity Magnetism Nuclear Change Heat and temperature Waves	Old Testament Survey New Testament Survey Christian Studies Apologetics Seminar (8 th grade requirement)