

2016-2017 4th Grade Curriculum Map

The followings are general topic areas and intended timelines for instruction.

The topics and resources listed are only samples, not a complete listing. Topics listed may occur earlier or later than indicated.

	Chinese Language Arts	Math	Social Studies	Science
September	New School Year, New Aspiration <ul style="list-style-type: none"> My hopes and dreams Core values and great expectations The Fruits' Soiree (Poetry) <ul style="list-style-type: none"> Poetry: a source of delight Writing : Children's Poem Reading: Poems 	Whole Numbers <ul style="list-style-type: none"> Numbers to 100,000 Rounding off numbers Factors Multiples 	Being a role model <ul style="list-style-type: none"> implement Responsive Classroom Create a Learning Community Major roles and responsibilities of community members 	Scientific Inquiry: Observation Earth and Space Science: Meteorology <ul style="list-style-type: none"> Weather and Climate Air Temperature Air pressure Air Movement Clouds
October	Weather and our Daily Life Weather Forecast (Weather Report) <ul style="list-style-type: none"> Synonyms and antonyms Methods of gathering information from different sources Report Writing: weather Forecast Reading: What am I?/Weather reports 	Multiplication and Division of Whole Numbers <ul style="list-style-type: none"> Multiplication by a 1-digit number Division by a 1-digit number and by 10 Multiplication by a 2-digit number 	World Geography: Special Sense <ul style="list-style-type: none"> Explain how geographic factors affect population distribution and the growth of cities Maps and Globes: Map scales, longitude and latitude, coordinates, degrees Prime Meridian, Greenwich, England; International Date Line Relief maps 	Earth and Space Science Meteorology <ul style="list-style-type: none"> Atmosphere Cold and Warm fronts Water Cycle Weather forecasting Weather and climate
November	Chinese Ancient Tales: Stories of Wisdom and Courage <ul style="list-style-type: none"> Script for Play Reasoning and logical thinking Creative Writing: Short Stories Reading: Columbus and egg Functions of Our Body <ul style="list-style-type: none"> Story of William Harvey Importance of Exercise 	Fractions <ul style="list-style-type: none"> Adding fractions Subtracting fractions Mixed numbers Improper Fractions Fractions of a set 	World Geography: Mountains and Mountain Ranges <ul style="list-style-type: none"> Photographs or satellite-produced images to interpret spatial information about the American regions Major Mountain ranges High mountains of the world 	Life Science: The Human Body <ul style="list-style-type: none"> Story of William Harvey Circulatory System Heart Blood Filtering function of liver and spleen Blood Types
December	Traditional Chinese Culture and Norms <ul style="list-style-type: none"> Story of Filial Piety Plot and setting Basic norms and values of Chinese culture Writing: Script writing Reading: 24 Paragons Filial Piety 	Decimals <ul style="list-style-type: none"> Read & write decimals Compare decimals Convert decimals & fractions Round-off decimals Add & subtract decimals Tables and Graphs <ul style="list-style-type: none"> Presenting Data 	China: Dynasties and Conquerors <ul style="list-style-type: none"> Qin Shi Huangdi, the first emperor Han dynasty Tang and Song dynasties Mongol invasions and rules Ming dynasty 	Life Science: The Human Body <ul style="list-style-type: none"> Respiratory System Oxygen and Carbon Dioxide Nose, Throat, Voice Box, and Trachea, and Lungs



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January/ February	<p>Early Chinese Inventions and the Inventions of the World</p> <ul style="list-style-type: none"> Early Chinese Inventions Invention and Innovation Descriptive Writing: My inventions Reading: Stories about great thinkers and inventors <p>Understanding Traditional Chinese Customs</p> <ul style="list-style-type: none"> Chinese New Year <p>Topics related to Chinese New Year</p>	<p>Angles</p> <ul style="list-style-type: none"> Measuring angles Compare angles <p>Perpendicular and Parallel Lines</p> <ul style="list-style-type: none"> Perpendicular lines Parallel Lines 	<p>Chinese New Year & Culture</p> <ul style="list-style-type: none"> Confucius The story of “Forbidden City” Explorations of Zheng He <p>Early Chinese Inventions</p> <p>Paper, Printing, Gun Powder, Compass</p>	<p>Physical Science:</p> <p>Energy: Electrical Circuits & Electricity</p> <ul style="list-style-type: none"> Static electricity Electric charges Electric current Electric circuits and Experiments
March	<p>Legends and Myths in China</p> <ul style="list-style-type: none"> Story of Zhang Qian- The great explorer and pioneer of Silk Road History of Silk Road Invention of Silk fabric Fiction and Non-fiction Creative Writing: Scientific story Reading: Scientific method story <p>SOPA -Student Oral Proficiency Assessment Preparation</p>	<p>Area and Perimeter</p> <ul style="list-style-type: none"> Rectangles and Squares Composite Figures <p>3-Dimensional Shapes</p> <ul style="list-style-type: none"> Lines, faces, and vertices of 3-D shapes 	<p>American History and Cultural</p> <ul style="list-style-type: none"> Identify and locate on a map or globe the origins of peoples in the local community and state; create a timeline of when different groups arrived; describe why and how they came American Revolution: background; cause and provocations; the Revolution 	<p>Physical Science:</p> <p>Energy: Electrical Circuits & Electricity</p> <ul style="list-style-type: none"> Conductors and Insulators Electromagnets Using Electricity Safely
April	<p>A Not-Well-Known Land-Africa</p> <ul style="list-style-type: none"> The Africa I Know A Trip to Africa Writing: My Journal Reading: famous diary excerpts <p>YCT – Youth Chinese Test Preparation</p>	<p>3-Dimensional Shapes</p> <ul style="list-style-type: none"> Volume of cuboids <p>MCA Preparation</p> <ul style="list-style-type: none"> Lines of symmetry Percentage Input & output rules 	<p>The Constitution of the United States</p> <p>Becoming Good World Citizens</p> <ul style="list-style-type: none"> Preamble to the Constitution Three Branches of Government Checks and Balances The Bill of Rights 	<p>Earth & Space Science</p> <ul style="list-style-type: none"> The Earth’s Layers How Mountains are Formed Volcanoes
May/June	<p>Religion and our Culture</p> <ul style="list-style-type: none"> Buddhism, Islam and Christianity Respect different cultures Comparison and contrast Reading: interview stories 	<p>MCA Preparation</p> <ul style="list-style-type: none"> Probability Slides, flips, and turns Similar and congruent figures <p>Word Problems</p> <ul style="list-style-type: none"> Techniques and Strategies for solving word problems (review) <p>Preparation and Review Math Lessons</p> <p>MCA-III</p>	<p>Africa geography and history:</p> <ul style="list-style-type: none"> Mediterranean Sea, Red sea, Atlantic and Indian Oceans Major rivers Contracting climate in different regions The world’s major religions in Africa: Buddhism, Islam, Christianity 	<p>Earth & Space Science</p> <ul style="list-style-type: none"> Rocks and Minerals Weathering and Erosion