

4th Grade Curriculum Map 2008-2009

Scales Technology Academy

August			
	<u>Content</u>	<u>Arizona State Standard(s)</u>	<u>Resources</u>
<u>Reading</u>	Theme 1, Stories 1-4: Identify and analyze the narrative elements; Use prefixes, suffixes, and root words to determine meaning	S1C4PO1; S2C1PO1-10* (The reading process is taught daily, throughout the curriculum.)	
<u>Writing</u>	Write personal experience narrative stories and friendly letters	S3C1PO1; S3C3PO1-3* (Strands 1 & 2 are taught continuously.)	
<u>Math</u>	Ch. 1-4, 5.1: Understand place value to six digits; Round, add, and subtract whole numbers; Evaluate expressions and solve equations; Analyze patterns; Tell time	S1C1PO1-8; S1C2PO1,2,9,11; S1C3PO1-2; S3C1PO1-2; S3C2PO1; S3C3PO1-3; S4C4PO4*	Place value & rounding practice Ghost Blasters II (quick sums) Subtracting to win a million
<u>Science</u>	<u>Life Science</u> : Classify vertebrates and invertebrates by identifiable characteristics	S4C1PO2* (Strands 1-3 are incorporated throughout the year.)	Classification Scheme lesson plan A Touch of Class (game) Wildlife photos (may be used for ed. purposes)
<u>Social Studies</u>	<u>Geography</u> : Interpret physical and political maps; Locate and describe physical features on a map; Compare U.S. regions; Construct maps, charts, and graphs	S4C1PO1-7*	National Atlas map maker
<u>Technology</u>	Apply basic technology vocabulary; Operate and troubleshoot applications; Use the Internet ethically and safely; Describe how technology impacts daily life	Standard 1T-E1-3, all POs; 2T-E1-3, all POs	Technology Buzzwords for Students Cyber Smart lessons and activities Creative Commons copyright info.
<u>Field Trips</u> (To be confirmed)			

*Key: S1C1PO1 indicates Strand 1, Concept 1, Performance Objective 1

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September			
	<u>Content</u>	<u>Arizona State Standard(s)</u>	<u>Resources</u>
<u>Reading</u>	Theme 1, Story 5, Theme 2, Stories 1-3: Locate information using text structure, graphics, and resources; Identify cause and effect; Identify and analyze the narrative elements; Summarize a selection	S1C6PO6; S2C1PO1-10; S3C1PO4-8; S3C2PO1-2* (The reading process is taught daily, throughout the curriculum.)	
<u>Writing</u>	Write expository essays, friendly letters, and literary responses	S3C2PO1-3; S3C3PO1-3; S3C5PO1-3* (Strands 1 & 2 are taught continuously.)	
<u>Math</u>	Ch. 5-8, 18.4, 20.6: Find elapsed time; Collect and analyze data; Name coordinates on a grid; Interpret and make graphs; Practice multiplication facts	S1C1PO19; S1C2PO4,7,9,11; S2C1PO1-7; S3C3PO3; S3C4PO1-2; S4C3PO1; S4C4PO2; S5C2PO1-2*	Multiplication resources & activities NLVM Data analysis manipulatives
<u>Science</u>	Life Science: Explore ecosystems; Compare structures in plants and animals	S4C1PO1-2* (Strands 1-3 are incorporated throughout the year.)	
<u>Social Studies</u>	Civics/Government.: Describe U.S. symbols; Identify rights and responsibilities of U.S. citizens; Describe the structure and functions of various levels of government; Celebrate Constitution Day	S3C1PO1-2; S3C2PO1-2; S3C3PO1-3; S3C4PO1-3*	The National Archives
<u>Technology</u>	Apply basic technology vocabulary; Operate and troubleshoot applications; Use the Internet ethically and safely; Describe how technology impacts daily life	Standard 1T-E1-3, all POs; 2T-E1-3, all POs	Intellectual property information Citation Machine
<u>Field Trips</u> (To be confirmed)			

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October			
	<u>Content</u>	<u>Arizona State Standard(s)</u>	<u>Resources</u>
<u>Reading</u>	Theme 2, Stories 4-5, Theme 3, Story 1: Identify cause and effect; Summarize a selection	S1C6PO6; S2C1PO1-10* (The reading process is taught daily, throughout the curriculum.)	
<u>Writing</u>	Write expository essays, summaries, and friendly communication	S3C2PO1-3; S3C3PO1-2* (Strands 1 & 2 are taught continuously.)	
<u>Math</u>	Ch. 9, 4.5, 8.5, 8.6, 10.2: Simplify expressions using order of operations; Use variables; Balance equations; Analyze patterns; Use estimation; Understand and use properties of multiplication	S1C1PO19; S1C2PO4,7-11,13; S1C3PO2; S3C2PO1; S3C3PO1-3*	Order of Operations mystery picture Spacey Math facts practice
<u>Science</u>	Life Science: Identify and give examples of plant and animal adaptations	S4C4PO1-2* (Strands 1-3 are incorporated throughout the year.)	Animal Adaptations lesson plan How animal camouflage works Build a Beast activity
<u>Social Studies</u>	Geography: Describe the natural environment in Arizona (plants & animals); Locate physical features in AZ (e.g., Grand Canyon, Colorado River, landform regions)	S4C1PO7; S4C2PO1-5*	
<u>Technology</u>	Apply basic technology vocabulary; Operate and troubleshoot applications; Use the Internet ethically and safely; Describe how technology impacts daily life	Standard 1T-E1-3, all POs; 2T-E1-3, all POs	Copyright on the Internet Edutopia site
<u>Field Trips</u> (To be confirmed)			

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November			
	<u>Content</u>	<u>Arizona State Standard(s)</u>	<u>Resources</u>
<u>Reading</u>	Theme 3, Stories 2-4: Compare and contrast to comprehend text; Draw valid conclusions based on information from the text	S1C6PO5-6; S3C1PO8* (The reading process is taught daily, throughout the curriculum.)	
<u>Writing</u>	Write imaginative stories, summaries, and literary responses; District Writing Test	S3C1PO1-2; S3C2PO3; S3C5PO1-3* (Strands 1 & 2 are taught continuously.)	
<u>Math</u>	Ch. 10-16: Multiply up to 4-digit numbers; Divide up to 3-digit numbers; Estimate products and quotients; Identify factor pairs; Determine multiples	S1C1PO5,18,19; S1C2PO4-11,13; S1C3PO1-2*	Factor Tree (choose from list) Product Game X and % resources (choose from list)
<u>Science</u>	<u>Life Science</u> : Differentiate between renewable and nonrenewable resources; Analyze the effect of limited resources; Describe ways to conserve resources	S4C3PO1-4* (Strands 1-3 are incorporated throughout the year.)	Earth 911 informational site Recycle City activity
<u>Social Studies</u>	<u>Geography</u> : Describe the natural environment of Arizona (cont.); Describe human dependence and impact on natural resources and the physical environment	S4C1PO7; S4C2PO1-5; S4C5PO1-3; S4C6PO2-3*	
<u>Technology</u>	Use productivity tools to communicate, collect and analyze data, and publish information (e.g., Excel, PowerPoint, Inspiration, and Word)	Standard 3T-E1-4, all POs	Microsoft Word Modules Classroom Clipart
<u>Field Trips</u> (To be confirmed)			

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December			
	<u>Content</u>	<u>Arizona State Standard(s)</u>	<u>Resources</u>
<u>Reading</u>	Theme 3, Story 5, Theme 4, Stories 1-2: Summarize a selection; Identify the main idea and details of expository text; Sequence events	S1C6PO6 ; S2C1PO1-10 ; S3C1PO1* (The reading process is taught daily, throughout the curriculum.)	
<u>Writing</u>	Write poetry, expository essays, and summaries	S3C1PO2 ; S3C2PO1-3* (Strands 1 & 2 are taught continuously.)	
<u>Math</u>	Ch. 16.3, 17-19, 30.1: Identify prime & composite numbers; Classify lines, angles, & polygons; Identify symmetrical, congruent & similar shapes; Create transformations; Identify tessellations	S1C2PO11 ; S3C1PO3 ; S4C1PO1-8 ; S4C2PO1-2*	Shape and space resources Symmetry game M.C. Escher symmetry gallery
<u>Science</u>	Earth Science: Identify sources of water within an environment; Describe the distribution of water on the Earth's surface	S6C3PO1-2* (Strands 1-3 are incorporated throughout the year.)	
<u>Social Studies</u>	U.S. History: Describe the cultures, achievements, and legacies of prehistoric Native American tribes in Arizona and the southwestern U.S.	S1C2PO1-5*	
<u>Technology</u>	Use productivity tools to communicate, collect and analyze data, and publish information (e.g., Excel, PowerPoint, Inspiration, and Word)	Standard 3T-E1-4, all POs	Microsoft Word Modules Classroom Clipart
<u>Field Trips</u> (To be confirmed)			

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January			
	<u>Content</u>	<u>Arizona State Standard(s)</u>	<u>Resources</u>
<u>Reading</u>	Theme 4, Stories 3-5, Theme 5, Story 1: Identify the main idea and details of expository text; Sequence events; Compare and contrast; Identify and analyze elements of nonfiction text	S1C6PO5-6; S3C1PO1-8* (The reading process is taught daily, throughout the curriculum.)	
<u>Writing</u>	Write expository essays and formal communication	S3C2PO1-3; S3C3PO1-3* (Strands 1 & 2 are taught continuously.)	
<u>Math</u>	Ch. 21-23, 26.1, 26.5: Read and write fractions (including mixed numbers); Express probability as a fraction; Relate fractions and decimals	S1C1PO9-17; S1C2PO12; S2C2PO1-7*	Fraction activities (choose from list) "Chances Are" probability lesson plan
<u>Science</u>	Earth Science: Differentiate between weather and climate; Compare weather in various locations; Interpret weather maps; Measure changes in weather	S6C3PO3-6* (Strands 1-3 are incorporated throughout the year.)	U.S. Interactive Climate Pages Exploring weather through art How to read a weather map
<u>Social Studies</u>	Arizona History: Describe the Spanish colonization of Arizona (Gold, Glory, God); Describe the impact of the Mexican Revolution, Mountain Men, Gadsden Purchase, and Indian Wars	S1C3PO1-3; S1C5PO1-5; S2C5PO1-2; S4C6PO1*	
<u>Technology</u>	Use technology research tools (Internet and World Book): Locate and evaluate information from electronic resources; Identify the source of information	Standard 5T-E1&2, all POs	Choosing a Search Site lesson plan Kids Click search engine Ask for Kids search engine
<u>Field Trips</u> (To be confirmed)			

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February			
	<u>Content</u>	<u>Arizona State Standard(s)</u>	<u>Resources</u>
<u>Reading</u>	Theme 5, Stories 2-5: Identify and analyze elements of nonfiction text; Determine an author's main purpose for writing; Sequence events	S1C6PO6 ; S3C1PO1-8 ; S3C3PO1-2* (The reading process is taught daily, throughout the curriculum.)	
<u>Writing</u>	Write personal narrative stories	S3C1PO1-2* (Strands 1 & 2 are taught continuously.)	
<u>Math</u>	Ch. 26, 24, 25.1, 28, 29: Determine equivalency among fractions, decimals, and percents; Measure length, perimeter, and area	S1C1PO14,17 ; S1C3PO3-4 ; S3C2PO1 ; S3C3PO2 ; S4C4PO1,3-6,8-10 ; S5C1PO2*	Area and perimeter practice
<u>Science</u>	<u>Earth Science</u> : Describe processes that change the Earth's surface (e.g., erosion, deposition, weathering, earthquakes, volcanoes, floods, fires)	S6C2PO1-6* (Strands 1-3 are incorporated throughout the year.)	Videos of wind erosion Weathering and erosion Jeopardy Tutorial about earthquakes
<u>Social Studies</u>	<u>Arizona History</u> : Describe the economic development of Arizona during the territorial days and early statehood; Complete a research project on Arizona (Presentations and Wax Museum)	S1C7PO1-5 ; S3C1PO3-4 ; S4C4PO1-6*	
<u>Technology</u>	Use technology research tools (Internet and World Book): Locate and evaluate information from electronic resources; Identify the source of information	Standard 5T-E1&2, all POs ; 6T-E1, PO1	Rating Web Sites lesson plan Eight ways to check the validity of information on web sites
<u>Field Trips</u> (To be confirmed)			

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March			
	<u>Content</u>	<u>Arizona State Standard(s)</u>	<u>Resources</u>
<u>Reading</u>	Theme 6, Stories 1-3: Distinguish fact from opinion in expository text; Determine relationships between words (synonyms, antonyms, homonyms)	S1C4PO5-6; S3C1PO2* (The reading process is taught daily, throughout the curriculum.)	
<u>Writing</u>	Write summaries and specific genre essays (Harcourt writing Theme 6)	S3C2PO1-3* (Strands 1 & 2 are taught continuously.)	
<u>Math</u>	Ch. 24, 25, 23.5: Measure capacity and weight; Make combinations using 2 sets of items; Color vertex-edge graphs; Review for AIMS	S1C3PO3; S2C3PO1; S2C4PO1; S4C4PO3-7*	Vertex-edge graphs
<u>Science</u>	<u>Physical Science</u> : Demonstrate the effects of electricity flowing in circuits; Construct electrical circuits; Explain the purpose of conductors and insulators	S5C3PO1-3* (Strands 1-3 are incorporated throughout the year.)	The Energy Story (online book) List of resources for physical science Annie's Circuit Builder activity
<u>Social Studies</u>	<u>Economics</u> : Describe the costs and benefits of economic choices relating to individuals, markets and industries, and governmental policies (microeconomics and personal finance)	S5C1PO3; S5C2PO1-6; S5C5PO1*	
<u>Technology</u>	Collaborate and interact with peers, experts, and other audiences using technology communications tools	Standard 4T-E1-3, all POs	Gaggle.Net email for students Safe Surfing Guide: Emailing GlobalSchoolNet.org
<u>Field Trips</u> (To be confirmed)			

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April			
	<u>Content</u>	<u>Arizona State Standard(s)</u>	<u>Resources</u>
<u>Reading</u>	AIMS Testing; Theme 6, Stories 4-5: Distinguish fact from opinion in expository text; Determine relationships between words (synonyms, antonyms, homonyms); Identify an author's purpose for writing	S1C4PO5-6; S3C1PO2-3* (The reading process is taught daily, throughout the curriculum.)	
<u>Writing</u>	AIMS Testing; Write research reports (Arizona science and social studies reports: research, write, and present)	S3C6PO1-3* (Strands 1 & 2 are taught continuously.)	
<u>Math</u>	AIMS Testing; Ch. 30.2 & 30.3: Explore solid geometry; Estimate and find the volume of prisms	S4C1PO2*	
<u>Science</u>	Physical Science: Investigate the characteristics of magnets; Understand the cause and effect relationship between magnets and circuitry	S5C3PO4-5* (Strands 1-3 are incorporated throughout the year.)	List of resources for physical science Magnets in the Kitchen activity
<u>Social Studies</u>	U.S. History: Describe historical events during westward expansion and the Civil War as they relate to events in Arizona	S1C5PO1-5; S1C6PO1*	
<u>Technology</u>	Use productivity tools to communicate, collect and analyze data, and publish information (e.g., Excel, PowerPoint, Inspiration, and Word)	Standard 3T-E1-4, all POs	
<u>Field Trips</u> (To be confirmed)			

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May			
	<u>Content</u>	<u>Arizona State Standard(s)</u>	<u>Resources</u>
<u>Reading</u>	Literature studies	Cumulative review and extension of all standards.	
<u>Writing</u>	Write poetry and literary responses	S3C1PO2; S3C5PO1-3* (Strands 1 & 2 are taught continuously.)	
<u>Math</u>	Ch. 18.5, 20, 25.6: Explore circles; Measure temperature; Introduce negative numbers and inequalities; Relate benchmark measurements; Extensions with probability, graphing, and fractions	S1C2PO10-11; S4C1PO1; S4C4PO5*	
<u>Science</u>	History & Nature of Science: Identify people who have made important scientific contributions; Describe science-related careers	S2C1PO1-2* (Strands 1-3 are incorporated throughout the year.)	
<u>Social Studies</u>	U.S. History: Describe historical events during the Great Depression, World War II, postwar years, and contemporary period as they relate to events in Arizona	S1C8PO1-4; S1C9PO1; S1C10PO1-4*	
<u>Technology</u>	Use technology research tools (Internet and World Book); Locate and evaluate information from electronic resources; Identify the source of information	Standard 5T-E1&2, all POs	Kids Click search engine
<u>Field Trips</u> (To be confirmed)			Ask for Kids search engine

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