Lesson 1: Florida Standards

Grades 3-5

SCIENCE

SC.3.N.1.1
Raise questions about the natural world, investigate them individually and in teams through free exploration and systematic investigations, and generate appropriate explanations based on those explorations.

SC.4.N.2.1
Explain that science focuses solely on the natural world.

SC.5.L.17.1
Compare and contrast adaptations displayed by animals and plants that enable them to survive in different environments such as life cycles variations, animal behaviors and physical characteristics.

LANGUAGE ARTS

LAFS.3.RI.4.10
By the end of the year, read and comprehend informational texts, including history/social studies, science, and technical texts, at the high end of the grades 2–3 text complexity band independently and proficiently.

LAFS.4.W.32.4
Produce clear and coherent writing in which the development and organization are appropriate to task, purpose, and audience.

LAFS.5.SL.1.1
Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on *grade 5 topics and texts*, building on others' ideas and expressing their own clearly.

Grades 6-8

SCIENCE

SC.6.N.1.4
Discuss, compare, and negotiate methods used, results obtained, and explanations among groups of students conducting the same investigation.

SC.7.N.2.1
Identify an instance from the history of science in which scientific knowledge has changed when new evidence or new interpretations are encountered

SC.8.L.18.4
Cite evidence that living systems follow the Laws of Conservation of Mass and Energy.

LANGUAGE ARTS

LAFS.6.RI.4.10
By the end of the year, read and comprehend literary nonfiction in the grades 6–8 text complexity band proficiently, with scaffolding as needed at the high end of the range.

LAFS.7.W.1.2
Write informative/explanatory texts to examine a topic and convey ideas, concepts, and information through the selection, organization, and analysis of relevant content.

LAFS.8.SL.1.1
Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 8 topics, texts, and issues, building on others' ideas and expressing their own clearly.

Resources: CPALMS.org and FLStandards.org; July 2014.

Lesson 2: Florida Standards

Grades 3-5

SOCIAL STUDIES

SS.3.G.1.1
Use thematic maps, tables, charts, graphs, and photos to analyze geographic information.

SCIENCE

SC.3.N.1.1
Raise questions about the natural world, investigate them individually and in teams through free exploration and systematic investigations, and generate appropriate explanations based on those explorations.

SC.4.N.2.1
Explain that science focuses solely on the natural world.

SC.5.L.17.1
Compare and contrast adaptations displayed by animals and plants that enable them to survive in different environments such as life cycles variations, animal behaviors and physical characteristics.

SC.4.L.17.1
Compare the seasonal changes in Florida plants and animals to those in other regions of the country.

LANGUAGE ARTS

LAFS.3.RI.4.10
By the end of the year, read and comprehend informational texts, including history/social studies, science, and technical texts, at the high end of the grades 2–3 text complexity band independently and proficiently.

LAFS.5.SL.1.1
Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on *grade 5 topics and texts*, building on others' ideas and expressing their own clearly.

MATHEMATICS

MAFS.4.OA.3.5

Generate a number or shape pattern that follows a given rule. Identify apparent features of the pattern that were not explicit in the rule itself.

MAFS.5.G.1.2

Represent real world and mathematical problems by graphing points in the first quadrant of the coordinate plane, and interpret coordinate values of points in the context of the situation.

Grades 6-8

SOCIAL STUDIES

SS.6.G.1.4

Utilize tools geographers use to study the world.

SS.7.G.2.1

Understand physical and cultural characteristics of places.

SCIENCE

SC.6.N.1.4

Discuss, compare, and negotiate methods used, results obtained, and explanations among groups of students conducting the same investigation.

SC.7.N.2.1

Identify an instance from the history of science in which scientific knowledge has changed when new evidence or new interpretations are encountered

SC.8.L.18.4

Cite evidence that living systems follow the Laws of Conservation of Mass and Energy.

SC.6.L.15.1

Analyze and describe how and why organisms are classified according to shared characteristics with emphasis on the Linnaean system combined with the concept of Domains.

SC.7.L.16.1
Understand and explain that every organism requires a set of instructions that specifies its traits, which this hereditary information (DNA) contains genes located in the chromosomes of each cell, and that heredity is the passage of these instructions from one generation to another.
SC.7.L.17.3
Describe and investigate various limiting factors in the local ecosystem and their impact on native populations, including food, shelter, water, space, disease, parasitism, predation, and nesting sites

SC.8.L.18.1
Describe and investigate the process of photosynthesis, such as the roles of light, carbon dioxide, water and chlorophyll; production of food; release of oxygen.

LANGUAGE ARTS

LAFS.6.L.3.6
Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases; gather vocabulary knowledge when considering a word or phrase important to comprehension or expression.

LAFS.6.RI.4.10
By the end of the year, read and comprehend literary nonfiction in the grades 6–8 text complexity band proficiently, with scaffolding as needed at the high end of the range.

LAFS.8.SL.1.1
Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 8 topics, texts, and issues, building on others' ideas and expressing their own clearly.

MATHEMATICS

MAFS.7.SP.1.2
Use data from a random sample to draw inferences about a population with an unknown characteristic of interest. Generate multiple samples (or simulated samples) of the same size to gauge the variation in estimates or predictions.

MAFS.8.SP.1.1
Construct and interpret scatter plots for bivariate measurement data to investigate patterns of association between two quantities. Describe patterns such as clustering, outliers, positive or negative association, linear association, and nonlinear association.

Resources: CPALMS.org and FLStandards.org; July 2014.

Lesson 3: Florida Standards

Grades 3-5

SOCIAL STUDIES

SS.3.G.2.4
Describe the climate and vegetation in the United States, Canada, Mexico, and the Caribbean.

SS.3.G.4.1
Explain how the environment influences settlement patterns in the United States, Canada, Mexico, and the Caribbean.

SS.3.C.1.3

Explain how government was established through a written Constitution.
SS.3.C.2.1
Identify group and individual actions of citizens that demonstrate civility, cooperation, volunteerism, and other civic virtues.

SS.4.A.2.1
Compare Native American tribes in Florida.

SS.4.A.4.1
Describe pioneer life in Florida.

SCIENCE

SC.3.N.1.1
Raise questions about the natural world, investigate them individually and in teams through free exploration and systematic investigations, and generate appropriate explanations based on those explorations.

SC.4.N.2.1
Explain that science focuses solely on the natural world.

Grades 6-8

SOCIAL STUDIES

SS.3.G.1.1
Use thematic maps, tables, charts, graphs, and photos to analyze geographic information.

SS.7.G.2
Understand how human actions can impact the environment.

SS.8.G.5
Understand how human actions can impact the environment.

SS.6.W.1
Utilize historical inquiry skills and analytical processes.

SS.8.C.2
Evaluate the roles, rights, and responsibilities of United States citizens, and determine methods of active participation in society, government, and the political system.

SCIENCE

SC.6.N.1.4
Discuss, compare, and negotiate methods used, results obtained, and explanations among groups of students conducting the same investigation.

SC.7.N.2.1
Identify an instance from the history of science in which scientific knowledge has changed when new evidence or new interpretations are encountered

SC.8.N.4.1
Explain that science is one of the processes that can be used to inform decision making at the community, state, national, and international levels.

SC.6.E.6.1
Describe and give examples of ways in which Earth's surface is built up and torn down by physical and chemical weathering, erosion, and deposition.

Resources: CPALMS.org and FLStandards.org; July 2014.

Lesson 4: Florida Standards

Grades 3-5

SCIENCE

SC.3.L.17.1
Describe how animals and plants respond to changing seasons.

LANGUAGE ARTS

LAFS.3.RI.4.10
By the end of the year, read and comprehend informational texts, including history/social studies, science, and technical texts, at the high end of the grades 2–3 text complexity band independently and proficiently

MATHEMATICS

MAFS.3.OA.1.3
Use multiplication and division within 100 to solve word problems in situations involving equal groups, arrays, and measurement quantities,

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Grades 6-8

SCIENCE

SC.6.E.6.1
Describe and give examples of ways in which Earth's surface is built up and torn down by physical and chemical weathering, erosion, and deposition

SC.6.L.15.1
Analyze and describe how and why organisms are classified according to shared characteristics with emphasis on the Linnaean system combined with the concept of Domains.

SC.7.L.17.3
Describe and investigate various limiting factors in the local ecosystem and their impact on native populations, including food, shelter, water, space, disease, parasitism, predation, and nesting sites

SC.8.L.18.1
Describe and investigate the process of photosynthesis, such as the roles of light, carbon dioxide, water and chlorophyll; production of food; release of oxygen.

LANGUAGE ARTS

LAFS.6.L.3.6
Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases; gather vocabulary knowledge when considering a word or phrase important to comprehension or expression.

LAFS.6.RI.4.10
By the end of the year, read and comprehend literary nonfiction in the grades 6–8 text complexity band proficiently, with scaffolding as needed at the high end of the range.

LAFS.6.W.2.5
With some guidance and support from peers and adults, develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach.

LAFS.6.L.1.1
Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.

LAFS.7.W.2.4
With some guidance and support from peers and adults, develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach, focusing on how well purpose and audience have been addressed.

LAFS.7.L.1.2
Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing

LAFS.8.W.2.4
Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.

LAFS.8.W.1.2
Write informative/explanatory texts to examine a topic and convey ideas, concepts, and information through the selection, organization, and analysis of relevant content.

MATHEMATICS

MAFS.6.NS.1.1

Interpret and compute quotients of fractions, and solve word problems involving division of fractions by fractions, e.g., by using visual fraction models and equations to represent the problem.

Resources: CPALMS.org and FLStandards.org; July 2014.

Lesson 5: Florida Standards

Grades 3-5

MATHEMATICS

MAFS.3.OA.1.3
Use multiplication and division within 100 to solve word problems in situations involving equal groups, arrays, and measurement quantities,

MAFS.4.OA.3.5
Generate a number or shape pattern that follows a given rule. Identify apparent features of the pattern that were not explicit in the rule itself.

MAFS.5.MD.2.2
Make a line plot to display a data set of measurements in fractions of a unit (1/2, 1/4, 1/8). Use operations on fractions for this grade to solve problems involving information presented in line plots.

SCIENCE

SC.3.N.1.1
Raise questions about the natural world, investigate them individually and in teams through free exploration and systematic investigations, and generate appropriate explanations based on those explorations.

SC.4.N.2.1
Explain that science focuses solely on the natural world.

SC.4.L.17.1
Compare the seasonal changes in Florida plants and animals to those in other regions of the country.

Grades 6-8

MATHEMATICS

MAFS.6.NS.1.1
Interpret and compute quotients of fractions, and solve word problems involving division of fractions by fractions, e.g., by using visual fraction models and equations to represent the problem.

MAFS.7.SP.1.2
Use data from a random sample to draw inferences about a population with an unknown characteristic of interest. Generate multiple samples (or simulated samples) of the same size to gauge the variation in estimates or predictions.

MAFS.8.F.1.1
Understand that a function is a rule that assigns to each input exactly one output. The graph of a function is the set of ordered pairs consisting of an input and the corresponding output.

SCIENCE

SC.6.N.1.4
Discuss, compare, and negotiate methods used, results obtained, and explanations among groups of students conducting the same investigation.

SC.7.N.2.1
Identify an instance from the history of science in which scientific knowledge has changed when new evidence or new interpretations are encountered

SC.6.E.6.1
Describe and give examples of ways in which Earth's surface is built up and torn down by physical and chemical weathering, erosion, and deposition

SC.8.L.18.4
Cite evidence that living systems follow the Laws of Conservation of Mass and Energy.

SC.6.L.15.1
Analyze and describe how and why organisms are classified according to shared characteristics with emphasis on the Linnaean system combined with the concept of Domains.

SC.7.L.16.1
Understand and explain that every organism requires a set of instructions that specifies its traits, which this hereditary information (DNA) contains genes located in the chromosomes of each cell, and that heredity is the passage of these instructions from one generation to another.

SC.7.L.17.3
Describe and investigate various limiting factors in the local ecosystem and their impact on native populations, including food, shelter, water, space, disease, parasitism, predation, and nesting sites

SC.8.L.18.1
Describe and investigate the process of photosynthesis, such as the roles of light, carbon dioxide, water and chlorophyll; production of food; release of oxygen.

Resources: CPALMS.org and FLStandards.org; July 2014.

Lesson 6: Florida Standards

Grades 3-5

MATHEMATICS

MAFS.4.OA.3.5

Generate a number or shape pattern that follows a given rule. Identify apparent features of the pattern that were not explicit in the rule itself.

MAFS.5.MD.2.2

Make a line plot to display a data set of measurements in fractions of a unit (1/2, 1/4, 1/8). Use operations on fractions for this grade to solve problems involving information presented in line plots.

SCIENCE

SC.3.N.1.1

Raise questions about the natural world, investigate them individually and in teams through free exploration and systematic investigations, and generate appropriate explanations based on those explorations.

SC.4.N.2.1

Explain that science focuses solely on the natural world.

Grades 6-8

MATHEMATICS

MAFS.6.EE.1.2

Write, read, and evaluate expressions in which letters stand for numbers.

MAFS.7.SP.1.2

Use data from a random sample to draw inferences about a population with an unknown characteristic of interest. Generate multiple samples (or simulated samples) of the same size to gauge the variation in estimates or predictions.

MAFS.8.F.1.1
Understand that a function is a rule that assigns to each input exactly one output. The graph of a function is the set of ordered pairs consisting of an input and the corresponding output.

SCIENCE

SC.6.N.1.4
Discuss, compare, and negotiate methods used, results obtained, and explanations among groups of students conducting the same investigation.

SC.7.N.2.1
Identify an instance from the history of science in which scientific knowledge has changed when new evidence or new interpretations are encountered

SC.8.N.4.1
Explain that science is one of the processes that can be used to inform decision making at the community, state, national, and international levels.

SC.6.E.6.1
Describe and give examples of ways in which Earth's surface is built up and torn down by physical and chemical weathering, erosion, and deposition

Resources: CPALMS.org and FLStandards.org; July 2014.

Lesson 7: Florida Standards

Grades 3-5

MATHEMATICS

MAFS.3.OA.2
Understand properties of multiplication and the relationship between multiplication and division.

MAFS.3.NF.1.2
Understand a fraction as a number on the number line; represent fractions on a number line diagram.

MAFS.4.G.1.2
Classify two-dimensional figures based on the presence or absence of parallel or perpendicular lines, or the presence or absence of angles of a specified size. Recognize right triangles as a category, and identify right triangles.

MAFS.5.G.1
Graph points on the coordinate plane to solve real-world and mathematical problems

SOCIAL STUDIES

SS.3.G.1.1
Use thematic maps, tables, charts, graphs, and photos to analyze geographic information.

SCIENCE

SC.3.N.1.1
Raise questions about the natural world, investigate them individually and in teams through free exploration and systematic investigations, and generate appropriate explanations based on those explorations.

SC.4.N.2.1
Explain that science focuses solely on the natural world.

SC.5.L.17.1
Compare and contrast adaptations displayed by animals and plants that enable them to survive in different environments such as life cycles variations, animal behaviors and physical characteristics.

SC.4.L.17.1
Compare the seasonal changes in Florida plants and animals to those in other regions of the country.

LANGUAGE ARTS

LAFS.3.RF.3.3
Know and apply grade-level phonics and word analysis skills in decoding words.

LAFS.3.RI.4.10
By the end of the year, read and comprehend informational texts, including history/social studies, science, and technical texts, at the high end of the grades 2–3 text complexity band independently and proficiently

LAFS.5.W.3.9
Draw evidence from literary or informational texts to support analysis, reflection, and research.

Grades 6-8

MATHEMATICS

MAFS.6.NS.1.1
Interpret and compute quotients of fractions, and solve word problems involving division of fractions by fractions, e.g., by using visual fraction models and equations to represent the problem.

MAFS.7.RP.1.3
Use proportional relationships to solve multistep ratio and percent problems.

SOCIAL SCIENCE

SS.6.G.1.4
Utilize tools geographers use to study the world.

SS.7.G.2
Understand how human actions can impact the environment.

SCIENCE

SC.6.N.1.4
Discuss, compare, and negotiate methods used, results obtained, and explanations among groups of students conducting the same investigation.

SC.7.N.2.1
Identify an instance from the history of science in which scientific knowledge has changed when new evidence or new interpretations are encountered

SC.8.L.18.4
Cite evidence that living systems follow the Laws of Conservation of Mass and Energy.

SC.6.L.15.1
Analyze and describe how and why organisms are classified according to shared characteristics with emphasis on the Linnaean system combined with the concept of Domains.

SC.7.L.16.1
Understand and explain that every organism requires a set of instructions that specifies its traits, which this hereditary information (DNA) contains genes located in the chromosomes of each cell, and that heredity is the passage of these instructions from one generation to another.

SC.7.L.17.3
Describe and investigate various limiting factors in the local ecosystem and their impact on native populations, including food, shelter, water, space, disease, parasitism, predation, and nesting sites

SC.8.L.18.1
Describe and investigate the process of photosynthesis, such as the roles of light, carbon dioxide, water and chlorophyll; production of food; release of oxygen.

SC.6.E.6.1
Describe and give examples of ways in which Earth's surface is built up and torn down by physical and chemical weathering, erosion, and deposition

LANGUAGE ARTS

LAFS.6.L.3.6

Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases; gather vocabulary knowledge when considering a word or phrase important to comprehension or expression.

LAFS.6.RI.4.10

By the end of the year, read and comprehend literary nonfiction in the grades 6–8 text complexity band proficiently, with scaffolding as needed at the high end of the range.

LAFS.8.W.1.2

Write informative/explanatory texts to examine a topic and convey ideas, concepts, and information through the selection, organization, and analysis of relevant content.

Resources: CPALMS.org and FLStandards.org; July 2014.

Lesson 8: Florida Standards

Grades 3-5

SCIENCE

SC.3.N.1.1
Raise questions about the natural world, investigate them individually and in teams through free exploration and systematic investigations, and generate appropriate explanations based on those explorations.

SC.4.N.2.1
Explain that science focuses solely on the natural world.

SC.4.L.17.1
Compare the seasonal changes in Florida plants and animals to those in other regions of the country.

LANGUAGE ARTS

LAFS.3.RF.3.3
Know and apply grade-level phonics and word analysis skills in decoding words.

LAFS.3.RI.4.10
By the end of the year, read and comprehend informational texts, including history/social studies, science, and technical texts, at the high end of the grades 2–3 text complexity band independently and proficiently

LAFS.5.SL.1.1
Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on *grade 5 topics and texts*, building on others' ideas and expressing their own clearly.

Grades 6-8

SCIENCE

SC.6.N.1.4
Discuss, compare, and negotiate methods used, results obtained, and explanations among groups of students conducting the same investigation.

SC.7.N.2.1
Identify an instance from the history of science in which scientific knowledge has changed when new evidence or new interpretations are encountered

SC.6.E.6.1
Describe and give examples of ways in which Earth's surface is built up and torn down by physical and chemical weathering, erosion, and deposition

SC.6.L.15.1
Analyze and describe how and why organisms are classified according to shared characteristics with emphasis on the Linnaean system combined with the concept of Domains.

SC.7.L.17.3
Describe and investigate various limiting factors in the local ecosystem and their impact on native populations, including food, shelter, water, space, disease, parasitism, predation, and nesting sites

SC.8.L.18.1
Describe and investigate the process of photosynthesis, such as the roles of light, carbon dioxide, water and chlorophyll; production of food; release of oxygen.

LANGUAGE ARTS

LAFS.6.L.3.6
Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases; gather vocabulary knowledge when considering a word or phrase important to comprehension or expression.

LAFS.6.RI.4.10
By the end of the year, read and comprehend literary nonfiction in the grades 6–8 text complexity band proficiently, with scaffolding as needed at the high end of the range.

LAFS.8.SL.1.1
Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 8 topics, texts, and issues, building on others' ideas and expressing their own clearly.

Resources: CPALMS.org and FLStandards.org; July 2014.

Lesson 9: Florida Standards

Grades 3-5

MATHEMATICS

MAFS.4.OA.3.5
Generate a number or shape pattern that follows a given rule. Identify apparent features of the pattern that were not explicit in the rule itself.

MAFS.4.OA.2.4
Investigate factors and multiples. Find all factor pairs for a whole number in the range 1–100. Recognize that a whole number is a multiple of each of its factors. Determine whether a given whole number in the range 1–100 is a multiple of a given one-digit number. Determine whether a given whole number in the range 1–100 is prime or composite

MAFS.5.G.1.2
Represent real world and mathematical problems by graphing points in the first quadrant of the coordinate plane, and interpret coordinate values of points in the context of the situation.

SCIENCE

SC.3.N.1.1
Raise questions about the natural world, investigate them individually and in teams through free exploration and systematic investigations, and generate appropriate explanations based on those explorations.

SC.4.N.2.1
Explain that science focuses solely on the natural world.

SOCIAL STUDIES

SS.3.A.1: Historical Inquiry and Analysis
Historical Inquiry and Analysis

SS.3.G.2.4: Environment and Society
Describe the climate and vegetation in the United States, Canada, Mexico, and the Caribbean.

SS.3.G.4.1: Human Systems
Explain how the environment influences settlement patterns in the United States, Canada, Mexico, and the Caribbean.

Grades 6-8

MATHEMATICS

MAFS.8.F.1.1
Understand that a function is a rule that assigns to each input exactly one output. The graph of a function is the set of ordered pairs consisting of an input and the corresponding output.

MAFS.8.SP.1.1
Construct and interpret scatter plots for bivariate measurement data to investigate patterns of association between two quantities. Describe patterns such as clustering, outliers, positive or negative association, linear association, and nonlinear association.

SCIENCE

SC.6.N.1.4
Discuss, compare, and negotiate methods used, results obtained, and explanations among groups of students conducting the same investigation.

SC.7.N.2.1
Identify an instance from the history of science in which scientific knowledge has changed when new evidence or new interpretations are encountered

SC.8.N.4.1
Explain that science is one of the processes that can be used to inform decision making at the community, state, national, and international levels.

SC.6.E.6.1
Describe and give examples of ways in which Earth's surface is built up and torn down by physical and chemical weathering, erosion, and deposition

SOCIAL STUDIES

SS.8.A.1
Use research and inquiry skills to analyze American History using primary and secondary sources.

SS.8.G.5
Understand how human actions can impact the environment.

SS.6.W.1
Utilize historical inquiry skills and analytical processes.

SS.8.C.2
Evaluate the roles, rights, and responsibilities of United States citizens, and determine methods of active participation in society, government, and the political system.

Resources: CPALMS.org and FLStandards.org; July 2014.

Lesson 10: Florida Standards

Grades 3-5

SOCIAL STUDIES

SS.3.A.1: Historical Inquiry and Analysis
Historical Inquiry and Analysis.

SS.3.G.1.1: The World in Spatial Terms
Use thematic maps, tables, charts, graphs, and photos to analyze geographic information.

SS.3.G.2.4: Environment and Society
Describe the climate and vegetation in the United States, Canada, Mexico, and the Caribbean.

SS.3.G.4.1: Human Systems
Explain how the environment influences settlement patterns in the United States, Canada, Mexico, and the Caribbean.

LANGUAGE ARTS

LAFS.3.RI.4.10
By the end of the year, read and comprehend informational texts, including history/social studies, science, and technical texts, at the high end of the grades 2–3 text complexity band independently and proficiently

LAFS.4.W.32.4
Produce clear and coherent writing in which the development and organization are appropriate to task, purpose, and audience.

LAFS.5.SL.1.1
Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on *grade 5 topics and texts*, building on others' ideas and expressing their own clearly.

SCIENCE

SC.3.N.1.1
Raise questions about the natural world, investigate them individually and in teams through free exploration and systematic investigations, and generate appropriate explanations based on those explorations.

SC.4.N.2.1
Explain that science focuses solely on the natural world.

MATHEMATICS

MAFS.5.G.1
Graph points on the coordinate plane to solve real-world and mathematical problems

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Grades 6-8

SOCIAL STUDIES

SS.8.A.1
Use research and inquiry skills to analyze American History using primary and secondary sources.

SS.6.G.1.4
Utilize tools geographers use to study the world.

SS.7.G.2
Understand how human actions can impact the environment.

SS.8.G.5
Understand how human actions can impact the environment.

SS.6.W.1
Utilize historical inquiry skills and analytical processes.

LANGUAGE ARTS

LAFS.6.RI.4.10

By the end of the year, read and comprehend literary nonfiction in the grades 6–8 text complexity band proficiently, with scaffolding as needed at the high end of the range.

LAFS.8.W.1.2

Write informative/explanatory texts to examine a topic and convey ideas, concepts, and information through the selection, organization, and analysis of relevant content.

SCIENCE

SC.6.N.1.4

Discuss, compare, and negotiate methods used, results obtained, and explanations among groups of students conducting the same investigation.

SC.7.N.2.1

Identify an instance from the history of science in which scientific knowledge has changed when new evidence or new interpretations are encountered.

Resources: CPALMS.org and FLStandards.org; July 2014.