Girl Scouts Think Like a Citizen Scientist Journey
Content Unit Report

Grades: 6, 7, 8
States: Common Core State Standards K-12

Cadette Think Like a Citizen Scientist
Summary: In this Journey for sixth-, seventh-, and eighth-graders, girls will find out how citizen scientists make observations, collect data, and work with scientists to receive feedback on research. Girls will complete three citizen science activities: make observations about their environment, create a community field guide, and complete a SciStarter project.

Common Core State Standards K-12
Language Arts
Grade: 6

STRAND/DOMAIN	CC.6.RI	Reading Informational Text Standards
CATEGORY/CLUSTER		Integration of Knowledge and Ideas
STANDARD	6.RI.7	Integrate information presented in different media or formats (e.g., visually, quantitatively) as well as in words to develop a coherent understanding of a topic or issue.
STRAND/DOMAIN	**CC.6.W**	**Writing Standards**
CATEGORY/CLUSTER		Text Types and Purposes
STANDARD	6.W.2	Write informative/explanatory texts to examine a topic and convey ideas, concepts, and information through the selection, organization, and analysis of relevant content.
EXPECTATION	6.W.2a	Introduce a topic; organize ideas, concepts, and information, using strategies such as definition, classification, comparison/contrast, and cause/effect; include formatting (e.g., headings), graphics (e.g., charts, tables), and multimedia when useful to aiding comprehension.
EXPECTATION	6.W.2.b	Develop the topic with relevant facts, definitions, concrete details, quotations, or other information and examples.
EXPECTATION	6.W.2.c	Use appropriate transitions to clarify the relationships among ideas and concepts.
EXPECTATION	6.W.2.d	Use precise language and domain-specific vocabulary to inform about or explain the topic.
EXPECTATION	6.W.2.e	Establish and maintain a formal style.
STRAND/DOMAIN	**CC.6.W**	**Writing Standards**

CATEGORY/CLUSTER		Production and Distribution of Writing
STANDARD	6.W.4	Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.
STRAND/DOMAIN	**CC.6.W**	**Writing Standards**
CATEGORY/CLUSTER		Research to Build and Present Knowledge
STANDARD	6.W.7	Conduct short research projects to answer a question, drawing on several sources and refocusing the inquiry when appropriate.
STRAND/DOMAIN	**CC.6.SL**	**Speaking and Listening Standards**
CATEGORY/CLUSTER		Comprehension and Collaboration
STANDARD	6.SL.1	Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 6 topics, texts, and issues, building on others' ideas and expressing their own clearly.
EXPECTATION	6.SL.1.b	Follow rules for collegial discussions, set specific goals and deadlines, and define individual roles as needed.
EXPECTATION	6.SL.1.c	Pose and respond to specific questions with elaboration and detail by making comments that contribute to the topic, text, or issue under discussion.
EXPECTATION	6.SL.1.d	Review the key ideas expressed and demonstrate understanding of multiple perspectives through reflection and paraphrasing.
STRAND/DOMAIN	**CC.6.SL**	**Speaking and Listening Standards**
CATEGORY/CLUSTER		Presentation of Knowledge and Ideas
STANDARD	6.SL.4	Present claims and findings, sequencing ideas logically and using pertinent descriptions, facts, and details to accentuate main ideas or themes; use appropriate eye contact, adequate volume, and clear pronunciation.
STRAND/DOMAIN	**CC.6-8.RST**	**Science & Technical Subjects Standards**
CATEGORY/CLUSTER		Key Ideas and Details
STANDARD	6-8.RST.3	Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks.
STRAND/DOMAIN	**CC.6-8.RST**	**Science & Technical Subjects Standards**
CATEGORY/CLUSTER		Integration of Knowledge and Ideas
STANDARD	6-8.RST.7	Integrate quantitative or technical information expressed in words in a text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table).

Grade: 7

STRAND/DOMAIN	CC.7.W	Writing **Standards**
CATEGORY/CLUSTER		Text Types and Purposes
STANDARD	7.W.2	Write informative/explanatory texts to examine a topic and convey ideas, concepts, and information through the selection, organization, and analysis of relevant content.
EXPECTATION	7.W.2a	Introduce a topic; organize ideas, concepts, and information, using strategies such as definition, classification, comparison/contrast, and cause/effect; include formatting (e.g., headings), graphics (e.g., charts, tables), and multimedia when useful to aiding comprehension.
EXPECTATION	7.W.2.b	Develop the topic with relevant facts, definitions, concrete details, quotations, or other information and examples.
EXPECTATION	7.W.2.c	Use appropriate transitions to clarify the relationships among ideas and concepts.
EXPECTATION	7.W.2.d	Use precise language and domain-specific vocabulary to inform about or explain the topic.
EXPECTATION	7.W.2.e	Establish and maintain a formal style.
STRAND/DOMAIN	**CC.7.W**	**Writing Standards**
CATEGORY/CLUSTER		Production and Distribution of Writing
STANDARD	7.W.4	Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.
STRAND/DOMAIN	**CC.7.W**	**Writing Standards**
CATEGORY/CLUSTER		Research to Build and Present Knowledge
STANDARD	7.W.7	Conduct short research projects to answer a question, drawing on several sources and generating additional related, focused questions for further research and investigation.
STRAND/DOMAIN	**CC.7.SL**	**Speaking and Listening Standards**
CATEGORY/CLUSTER		Comprehension and Collaboration
STANDARD	7.SL.1	Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 7 topics, texts, and issues, building on others' ideas and expressing their own clearly.

EXPECTATION	7.SL.1.b	Follow rules for collegial discussions, track progress toward specific goals and deadlines, and define individual roles as needed.
EXPECTATION	7.SL.1.c	Pose questions that elicit elaboration and respond to others' questions and comments with relevant observations and ideas that bring the discussion back on topic as needed.
EXPECTATION	7.SL.1.d	Acknowledge new information expressed by others and, when warranted, modify their own views.
STRAND/DOMAIN	**CC.7.SL**	**Speaking and Listening Standards**
CATEGORY/CLUSTER		Presentation of Knowledge and Ideas
STANDARD	7.SL.4	Present claims and findings, emphasizing salient points in a focused, coherent manner with pertinent descriptions, facts, details, and examples; use appropriate eye contact, adequate volume, and clear pronunciation.
STRAND/DOMAIN	**CC.6-8.RST**	**Science & Technical Subjects Standards**
CATEGORY/CLUSTER		Key Ideas and Details
STANDARD	6-8.RST.3	Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks.
STRAND/DOMAIN	**CC.6-8.RST**	**Science & Technical Subjects Standards**
CATEGORY/CLUSTER		Integration of Knowledge and Ideas
STANDARD	6-8.RST.7	Integrate quantitative or technical information expressed in words in a text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table).

Grade: 8

STRAND/DOMAIN	**CC.8.W**	Writing **Standards**
CATEGORY/CLUSTER		Text Types and Purposes
STANDARD	8.W.2	Write informative/explanatory texts to examine a topic and convey ideas, concepts, and information through the selection, organization, and analysis of relevant content.
EXPECTATION	8.W.2a	Introduce a topic; organize ideas, concepts, and information, using strategies such as definition, classification, comparison/contrast, and cause/effect; include formatting (e.g., headings), graphics (e.g., charts, tables), and multimedia when useful to aiding comprehension.

EXPECTATION	8.W.2.b	Develop the topic with relevant, well-chosen facts, definitions, concrete details, quotations, or other information and examples.
EXPECTATION	8.W.2.c	Use appropriate transitions to clarify the relationships among ideas and concepts.
EXPECTATION	8.W.2.d	Use precise language and domain-specific vocabulary to inform about or explain the topic.
EXPECTATION	8.W.2.e	Establish and maintain a formal style.
STRAND/DOMAIN	**CC.8.W**	**Writing Standards**
CATEGORY/CLUSTER		Production and Distribution of Writing
STANDARD	8.W.4	Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.
STRAND/DOMAIN	**CC.7.W**	**Writing Standards**
CATEGORY/CLUSTER		Research to Build and Present Knowledge
STANDARD	8.W.7	Conduct short research projects to answer a question (including a self-generated question), drawing on several sources and generating additional related, focused questions that allow for multiple avenues of exploration.
STRAND/DOMAIN	**CC.8.SL**	**Speaking and Listening Standards**
CATEGORY/CLUSTER		Comprehension and Collaboration
STANDARD	8.SL.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.
EXPECTATION	8.SL.1.b	Follow rules for collegial discussions, track progress toward specific goals and deadlines, and define individual roles as needed.
EXPECTATION	8.SL.1.c	Pose questions that connect the ideas of several speakers and respond to others' questions and comments with relevant evidence, observations, and ideas.
EXPECTATION	8.SL.1.d	Acknowledge new information expressed by others and, when warranted, qualify or justify their own views in light of the evidence presented.
STRAND/DOMAIN	**CC.8.SL**	**Speaking and Listening Standards**
CATEGORY/CLUSTER		Presentation of Knowledge and Ideas

STANDARD	8.SL.4	Present claims and findings, emphasizing salient points in a focused, coherent manner with relevant evidence, sound valid reasoning, and well-chosen details; use appropriate eye contact, adequate volume, and clear pronunciation.
STRAND/DOMAIN	**CC.6-8.RST**	**Science & Technical Subjects Standards**
CATEGORY/CLUSTER		Key Ideas and Details
STANDARD	6-8.RST.3	Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks.
STRAND/DOMAIN	**CC.6-8.RST**	**Science & Technical Subjects Standards**
CATEGORY/CLUSTER		Integration of Knowledge and Ideas
STANDARD	6-8.RST.7	Integrate quantitative or technical information expressed in words in a text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table).