

Mathematics

Geometry and Measurement & Data alignment with Shapes and Numbers in Nature Badge Series

State Standard	Girl Scout Badge
K: Identify and describe shapes (K.G.2); Describe and compare measurable attributes (K.MD.1)	Shapes: Learn how to identify shapes and patterns in nature and create your own.
1st: Reason with shapes and their attributes (NC.1.G.1-3); Measure lengths (NC.1.MD.1-2)	Numbers: Learn about shadows, measurement, sorting, and estimating.
2nd: Reason with shapes and their attributes (NC.2.G.1,3); Measure and estimate lengths (NC.2.MD.1, 3, 4); Represent and interpret data (NC.2.MD.10)	Shapes: Learn about counting, graphing, symmetry, and tessellations and other natural objects like spiders and birds.
3rd: Reason with shapes and their attributes (NC.3.G.1); Represent and interpret data (NC.3.MD.3); Understand the concept of area (NC.3.MD.5)	Numbers: Learn how to measure temperature and length; about square feet, diagrams, and grids; and explore leaves and gardening.
4th: Classify shapes based on lines and angles in two-dimensional figures (NC.4.G.3); Solve problems involving area and perimeter (NC.4.MD.3)	Shapes: Learn about symmetry, fractals, and the Fibonacci sequence and identify and make patterns inspired by nature.
5th: Classify two-dimensional figures into categories based on their properties (NC.5.G.3); Represent and interpret data (NC.5.MD.2)	Numbers: Learn how to use math to tell time, predict the weather, and learn about trees, and how to measure shadows, perimeter, and area.

Science

Life Science alignment with

Animal and Environmentalist Badges (Daises/Brownies)

State Standard	Girl Scout Badge
K: Understand the characteristics of living organisms and nonliving things (LS.K.1)	Animal Observer: Find out how to learn about animals by watching them.
1st: Understand the basic needs of a variety of plants and animals in different ecosystems (LS.1.1)	Eco Learner: Nature gives us many gifts-- now learn some ways to give back by protecting nature.
2nd: Understand animal life cycles (LS.2.1)	Bugs: Explore the world of bugs and learn more about these little creatures that do so much. Eco Friend: Find out how to treat outdoor spaces with kindness and teach others how they can, too.

Science

Physical Science alignment with Mechanical Engineering Badges Series (Brownies/Juniors)

State Standard	Girl Scout Badge
<p>3rd: Understand motion and factors that affect motion (PS.3.2)</p> <ul style="list-style-type: none">• Carry out investigations to infer changes in speed or direction resulting from acting on an object.• Carry out investigations to compare the relative speeds (faster or slower) of objects that travel the same distance in different amounts of time.• Use models to explain the effect of Earth’s gravity on the motion of any object on or near the Earth.	<p>Fling Flyer Challenge: Learn about the forces that affect flight as you design, build, and test a Fling Flyer.</p> <p>Leap Bot Challenge: Learn about engineering, gravity, and force by building and testing a Leap Bot.</p> <p>Race Car Challenge: Learn how to design affects by designing a race car and a racetrack and carrying out “fair tests.”</p>
<p>4th: Identify how energy can be transferred from place to place by sound, light, heat, and electric currents (ECS.PS.4.2)</p> <ul style="list-style-type: none">• Ask questions to communicate information about basic forms of energy (light, sound, heat, and elictrical)	<p>Balloon Car Challenge: Learn how to engineer a balloon-powered car and understand potential energy, kinetic energy, and jet propulsion.</p>
<p>5th: Understand force, motion, and the relationship between them (PS.5.2)</p> <ul style="list-style-type: none">• Carry out investigations to explain how factors such as gravity, friction, and change in mass affect the motion of objects.• Use mathematics and computational thinking to infer the motion of an object (including position, direction, and speed)	<p>Crane Challenge: Learn how to build and test a crane and understand simple and compound machines.</p> <p>Paddle Boar Challenge: Learn how to build and test a paddle boat and understand buoyancy, potential energy, and kinetic energy.</p>

English Language Arts

Speaking and Listening Standards alignment with Daisy Promise Center and Petals

State Standard	Girl Scout Badge
K: Speak audibly and express thoughts, feelings, and ideas clearly (SL.K.4)	Promise Center: Daisies earn the Promise Center by saying the Girl Scout Promise and talking about what it means to them
1st: Produce complete sentences to describe people, places, things, and events with relevant details, expressing ideas and feelings clearly (SL.1.4)	
K: Participate in collaborative conversations with diverse partners about kindergarten topics and texts with peers and adults in small and larger groups (SL.K.1) a. Follow agreed-upon rules for discussions b. Continue a conversation through multiple exchanges	Daisy Petals <ul style="list-style-type: none">• Honest & Fair• Friendly & Helpful• Considerate & Caring• Courageous & Strong• Responsible for What I Say and Do• Respect Myself and Others• Respect Authority• Use Resources Wisely• Make the World a Better Place• Be a Sister to Every Girl Scout
1st: Participate in collaborative conversations with diverse partners about grade 1 topics and texts with peers and adults in small and larger groups (SL.1.1) a. Follow agreed-upon rules for discussions b. Build on others' talk in conversations by responding to the comments of others through multiple exchanges	

English Language Arts

Writing Standards alignment with Storytelling Badge Series (Brownie/Junior)

State Standard	Girl Scout Badge
<p>2nd: Participated in shared research and writing projects; Recall information from experiences or gather information from provided sources to answer a question (Research, W.2.5-6)</p>	<p>My Family Story Find out more about your family—the people you love and who love you.</p> <ol style="list-style-type: none">1. Explore family stories2. Know where your family is from3. Make a story tree4. Find an object that means something to your family5. Share your family story
<p>3rd: Conduct short research projects that build knowledge about a topic; Recall information from experiences or gather information from print or digital sources, take brief notes on sources and sort evidence into provided categories (Research, W.3.5-6)</p>	<p>When you've earned this badge, you'll know how to tell your family story.</p>
<p>4th and 5th: Write opinion pieces on topics or texts, supporting a point of view with reasons and information; Write informative /explanatory texts to examine a topic and convey ideas and information clearly; Write narratives to develop real or imagined experiences or events using effective technique, descriptive details, and clear event sequences (Text Types, Purposes, and Publishing, W.4.1-3 and W.5.1-3)</p>	<p>Scribe Explore what you can do with words and find out how you can encourage, entertain, and excite people with your writing.</p> <ol style="list-style-type: none">1. Start with a poem2. Create a short story3. Use words to share who you are4. Write an article5. Tell the world what you think <p>When you've earned this badge, you'll know how to write different kinds of stories—both true tales and ideas from your imagination.</p>

Social Studies

Civics and Government alignment with Citizen and Democracy Badge Series

State Standard	Girl Scout Badge
K: Understand that people work together to create and follow rules (K.C&G.1)	Good Neighbor: Find out how you can help your communities by being a good neighbor.
1st: Understand how people engage with and participate in the community (1.C&G.1)	Democracy for Daisies: Meet the people who work together in your government!
2nd: Understand how freedom, equality, and democracy contribute to the government of America (2.C&G.1)	Celebrating Community: Learn about community celebrations and find out what your communities do to celebrate all the people in them.
3rd: Understand the structure and function of state and local government (3.C&G.1)	Democracy for Brownies: Find out how people in the government decide what rules are made and how they are followed.
4th: Understand the role of citizens in local and state government (4.C&G.1)	Inside Government: Find out more about the basics of government and start to become an active citizen.
5th: Analyze the structure and function of the United States government in terms of cooperation and compromise (5.C&G.1)	Democracy for Juniors: Learn more about how your government works—from your town or city to the whole country.