



## Daisy Shapes in Nature 1

### Activity 1—Arrival and Opening Ceremony:

- Nutritious snack items such as: fruit, granola bars, carrot sticks, graham crackers, sliced cucumber and yogurt dip, or juice and crackers (Check for food allergies or dietary restrictions in advance.)
- Paper
- Crayons or markers
- **Girl Scout Promise and Law**

### Activity 2—Step 1: Search for shapes in nature (choose one)

#### Choice 1: Go On an Outdoor Scavenger Hunt

- **Shapes Tally Chart**
- Photos of Natural Objects
- Access to an outdoor area
- Chart paper or whiteboard and marker
- Pencils
- Additional photos or videos of natural objects (optional)

#### Choice 2: Discover Nature Indoors

- **Shapes Tally Chart**
- Photos of Natural Objects
- Access to an indoor area, ideally with natural objects and non-natural objects
- Chart paper or whiteboard and marker
- Pencils
- Additional photos or videos of natural objects (optional)

#### Choice 3: Watch a Nature Video

- **Shapes Tally Chart**
- Photos of Natural Objects
- Videos or webcam feeds of nature
- Chart paper or whiteboard and marker
- Pencils

### Activity 3—Step 2: Find and make patterns (choose one)

#### Choice 1: Find and Make Patterns with Sticks

- **Animal Patterns**
- Access to collect sticks OR 10 sticks for each pair of Daisies. Alternatively, use skewers, dowels, straws, or toothpicks.
- Additional photos or videos of natural patterns (optional)

#### Choice 2: Find and Make Patterns with Objects

- **Animal Patterns**
- Access to indoor or outdoor space where Daisies can search for patterns
- Paper
- Pencils
- Clipboards (optional)
- Crayons and markers (optional)
- Additional photos or videos of natural patterns (optional)

#### Choice 3: Find and Make Patterns with Sound

- **Animal Patterns**
- Paper
- Pencils
- Clipboards (optional)
- Crayons and markers (optional)
- Technology to play songs with a repeating chorus (optional)
- Additional photos or videos of natural patterns (optional)



## Daisy Shapes in Nature 2

### Activity 1—Arrival and Opening Ceremony

- Nutritious snack items such as: fruit, granola bars, carrot sticks, graham crackers, sliced cucumber and yogurt dip, or juice and crackers (Check for food allergies or dietary restrictions in advance.)
- Art and Nature
- String
- Variety of beads
- **Girl Scout Promise and Law**

### Activity 2—Step 3: Create art inspired by nature (choose one)

#### Choice 1: Make a Mobile

- **Sample Mobile**
- **Art and Nature**
- Coat hangers
- Twine, string, or ribbon
- Tape or hole punch
- Safety scissors
- Markers or crayons
- Paper
- Photos and videos of mobiles (optional)

#### Choice 2: Make a Pattern You Can Touch

- **Art and Nature**
- Textured objects with a pattern, like a pinecone, a fork, corduroy fabric, and a muffin tin
- Found objects and craft materials, like pipe cleaners, buttons, string, yarn or ribbon, toothpicks, craft sticks, bottle caps, etc.
- Masking tape, streamers, tissue paper, and other items to add texture to the artwork
- Newspaper or construction paper
- Cardstock or cardboard for each Daisy
- Boxes or trays for transporting collages after meeting
- Paints and brushes or markers
- Safety scissors
- Glue
- Paper towels
- Drop cloth or table cloth (optional)
- Photos and videos of textured art, like embroidery, weaving, and pottery (optional)

#### Choice 3: Make a Song or Dance

- Video and audio examples of mating dances and repetitive animal calls
- Video or audio recording device to record the Daisies' songs and dances (optional)



### Activity 3—Closing Ceremony

- Shapes in Nature badge for each Daisy

## Daisy Numbers in Nature 1

### Activity 1—Arrival and Opening Ceremony

- Nutritious snack items such as: fruit, granola bars, carrot sticks, graham crackers, sliced cucumber and yogurt dip, or juice and crackers (Check for food allergies or dietary restrictions in advance.)
- Shadow Puppets
- Flashlights
- **Girl Scout Promise and Law**

### Activity 2—Step 1: Search for shadows (choose one)

#### Choice 1: Trace Your Shadow

- **Shadow Diagram**
- Access to a sunny, outdoor space OR flashlights or other light sources (if indoors or cloudy)
- Sidewalk chalk and permission OR craft or butcher paper
- Flashlight

#### Choice 2: Create a Shadow

- **Shadow Diagram**
- Sample tree
- Pipe cleaners or modeling clay
- Access to a sunny, outdoor space OR flashlights or other light sources (if indoors or cloudy)
- Sidewalk chalk and permission OR craft or butcher paper
- Markers
- Flashlight

#### Choice 3: See How Shadows Change

- **Shadow Diagram**
- Access to a sunny, outdoor space OR flashlights or other light sources (if indoors or cloudy)
- Sidewalk chalk and permission OR craft or butcher paper
- Markers
- Flashlight

## Daisy Numbers in Nature 2

### Activity 1—Arrival and Opening Ceremony

- Nutritious snack items such as: fruit, granola bars, carrot sticks, graham crackers, sliced cucumber and yogurt dip, or juice and crackers (Check for food allergies or dietary restrictions in advance.)
- Pile or box with all the materials for the meeting
- **Girl Scout Promise and Law**



## Activity 2—Step 2: Sort natural objects (choose one)

### Choice 1: Measure and Sort Leaves

- **My Measurements**
- Leaves, access to an outdoor area to collect leaves, or life-sized photos of leaves
- Rulers (with inches)
- Pencils
- Paper
- Unwrapped crayons
- Kitchen scale (optional)

### Choice 2: Weigh and Sort Rocks

- **My Measurements**
- New pencil
- 10 pennies
- Rocks OR access to collect
- Kitchen scales
- Rulers (with inches)
- Pencils
- Paper

### Choice 3: Sort any Natural Objects

- **My Measurements**
- 2 small natural objects
- Natural objects OR access to collect
- Kitchen scales
- Pencils
- Paper
- Unwrapped crayon (optional)

## Activity 3—Step 3: Make your own unit of measure (choose one)

### Choice 1: Measure with a Natural Object

- **How to Measure with Any Object**
- Small objects, like paperclips or erasers
- Natural objects OR access to collect
- Paper
- Pencils
- Rulers (in inches)

### Choice 2: Measure with Your Body

- **How to Measure with Any Object**
- Small objects, like paperclips or erasers
- Paper
- Pencils
- Rulers (in inches)

### Choice 3: Measure with a Group of People

- **How to Measure with Any Object**
- Small objects, like paperclips or erasers
- Girl Scout and Daisy-related objects, like petals, vests, sashes, badges, badge booklets, etc.
- Paper
- Pencils
- Rulers (in inches)

## Activity 4—Closing Ceremony

- Numbers in Nature badge for each Daisy

## Daisy Design with Nature 1

### Activity 1—Arrival and Opening Ceremony

- Nutritious snack items such as: fruit, granola bars, carrot sticks, graham crackers, sliced cucumber and yogurt dip, or juice and crackers (Check for food allergies or dietary restrictions in advance.)
- Field guides or bird identification app for local birds (or birds in the video/recordings) related to your Activity Choice for Step 1
- **Girl Scout Promise and Law**



### Activity 2—Step 1: Count with birds (choose one)

#### Choice 1: Go Bird-watching

- **My Measurement Chart**
- Access to an outdoor area for bird-watching OR video or livestream of birds
- Field guides or bird identification app for local birds
- Chart paper or whiteboard and marker
- Pencils
- Colored pencils, crayons, or markers
- Clipboards (optional)

#### Choice 2: Mix Bird Food

- **My Measurement Chart**
- Field guides, photos, or videos of local birds
- Chart paper or whiteboard and marker
- 2-4 different types of birdseed for local birds (about 2 cups total for each Daisy)
- Bowls with labels for each kind of bird seed
- Zip top bags
- Spoons
- Pencils
- How to Build a Bird Feeder and listed materials for each Daisy (optional)

#### Choice 3: Measure Birdcalls

- **My Measurement Chart**
- Field guides or bird identification app for local birds (or birds in the video/recordings)
- Access to an outdoor area for listening to songbirds OR recordings and photos, video, or livestream of songbirds
- Chart paper or whiteboard and marker
- Pencils
- Digital timers or stopwatches
- Clipboards (optional)

## Daisy Design with Nature 2

### Activity 1—Arrival and Opening Ceremony

- Nutritious snack items such as: fruit, granola bars, carrot sticks, graham crackers, sliced cucumber and yogurt dip, or juice and crackers (Check for food allergies or dietary restrictions in advance.) **NOTE:** If you plan on making food in Step 4 (optional), Daisies can eat what they create for their snack.
- **Categories in Nature**
- **Girl Scout Promise and Law**



## Activity 2—Step 2: Identify parts of nature (choose one)

### Choice 1: Sort and Identify Natural Objects

- **Categories in Nature**
- **My Nature Tally Chart**
- Access to an outdoor area with natural objects OR nature video or livestream OR natural objects in a variety of categories (rocks, flowers, leaves, etc.)
- 12 sheets of paper for each Daisy
- Pencils
- Colored pencils or markers
- Stapler
- Chart paper or whiteboard and marker

### Choice 2: Explore and Identify Animal Tracks

- **Categories in Nature**
- **My Nature Tally Chart**
- Access to an outdoor area with animal tracks OR nature video or livestream with animal tracks OR photos of animal tracks in each category (2-toed, 3-toed, 4-toed, webbed feet)
- 2-3 different kinds of shoes or boots
- Pencil
- Modeling clay
- Clipboards, rolling pins, and sculpting tools (optional)

### Choice 3: Watch and Identify Clouds

- **Categories in Nature**
- **My Nature Tally Chart**
- Outdoor area to watch clouds OR nature video or livestream with clouds OR photos of clouds in each category (cirrus, cumulus, nimbus, stratus)
- Pencils
- Blue construction paper
- Glue sticks
- Cotton balls

## Activity 3—Step 3: Make a map (choose one)

### Choice 1: Make an Adventure Map

- **Sample Map**
- 3-4 different kinds of maps, such as streets, the world, subway routes, a museum or zoo, pirate map, topographical map, hiking map, weather map, etc.
- Paper
- Pencils
- Crayons, markers, or colored pencils

### Choice 2: Make a Neighborhood Map

- **Sample Map**
- 3-4 different kinds of maps, such as streets, the world, subway routes, a museum or zoo, pirate map, topographical map, hiking map, weather map, etc.
- Paper
- Pencils
- Crayons, markers, or colored pencils

### Choice 3: Make a Sound Map

- **Sample Map**
- 3-4 different kinds of maps, such as streets, the world, subway routes, a museum or zoo, pirate map, topographical map, hiking map, weather map, etc.
- Paper
- Pencils
- Crayons, markers, or colored pencils

## Activity 4—Closing Ceremony

- Design with Nature badge for each Daisy