

Make a Snowflake

Level



Grades K-2

Overview:

During this project, students will learn about snowflakes and then make a representation of one.

Objectives:

The student will:

- understand that every snowflake is unique;
- understand that every snowflake has 6 identical sides; and
- build a representation of a snowflake.

GLEs Addressed:

Science

- [3-4] SA1.1 The student demonstrates an understanding of the processes of science by asking questions, predicting, observing, describing, measuring, classifying, making generalizations, inferring, and communicating.
- [3] SB1.1 The student demonstrates an understanding of the structure and properties of matter by classifying matter according to physical properties (i.e., color, size, shape, weight, texture, flexibility).

Materials:

- poker chip (1 per student)
- popsicle sticks (6 per student)
- glitter glue
- glue
- *Snowflake Bentley* by Jacqueline Briggs Martin
- STUDENT INSTRUCTION SHEET: "Make a Snowflake"

Activity Procedure:

1. Read the book *Snowflake Bentley* to students.
2. Explain that by studying snowflakes we can make observations about them. Take students outside to study snowflakes. Ask students to describe three characteristics of a snowflake. Ask students if they can point out anything that all snowflakes have in common. Students may notice that they are all white, or that they have six sides, or that they are all small, or cold. Explain that snowflakes have many things in common, including that each snowflake has six sides, and each side of a snowflake is exactly like every other side, but every snowflake is unique. There are no two snowflakes that are exactly alike.
3. Distribute the STUDENT INSTRUCTION SHEET: "Make a Snowflake" and distribute the following materials to each student: 1 poker chip, 6 popsicle sticks, glue, and glitter glue.
4. Using the STUDENT INSTRUCTION SHEET: "Make a Snowflake," guide the students through the creation of a snowflake.
5. While students' snowflakes are drying talk about snowflakes as a class and write a poem in the same format as the book. The first line and last line should start with "The important thing about snowflakes." The poem should be a total of 8 lines.

Name: _____

Level

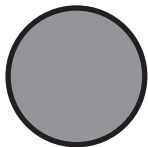


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Make a Snowflake

Student Instruction Sheet

You will need:



poker chip



6 popsicle sticks



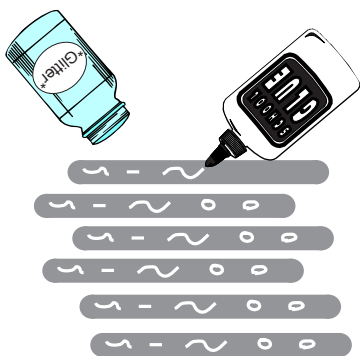
glue



glitter or glitter glue

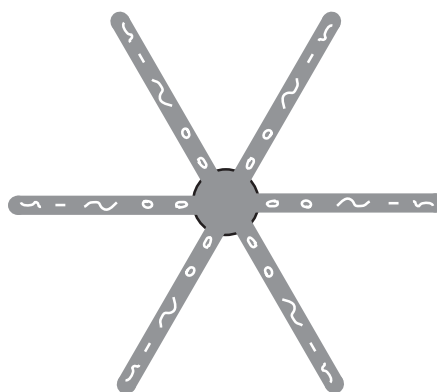
Make a snowflake:

Step 1:



Decorate your popsicle sticks so that each stick looks the same.

Step 2:



Glue the popsicle sticks to the poker chip and let dry.