

Lesson/Activity Title:

# EVERY SNOWFLAKE IS UNIQUE



**Time:** 15-25 minutes for the focus and KWL chart; 10-15 minutes for the teach/model; 10 minutes for the guided practice; 60-120 minutes for the independent research, snowflake creation, and completion of handouts; 15-20 minutes for closure

## Instructional Goals:

- Students will use **PebbleGo Science** online database to complete a KWL chart about snowflakes
- Students will use the **PebbleGo Science** online database to research various methods of creating artwork
- Students will identify and learn about famous artists
- Students will create their own snowflake using one artistic method

## Integrated Content Standards

- AASL Standards Framework for Learners (<http://standards.aasl.org/wp-content/uploads/2017/11/AASL-Learner-Framework-Spread.pdf>)
- Common Core English Language Arts/Literacy Standards ([www.corestandards.org/ELA-Literacy/](http://www.corestandards.org/ELA-Literacy/))
- National Educational Technology Standards for Students (<https://www.iste.org/standards/for-students>)
- NCTE/IRA Standards for English Language Arts ([www.ncte.org/standards/ncte-ira](http://www.ncte.org/standards/ncte-ira))
- Next Generation Science Standards ([www.nextgenscience.org/](http://www.nextgenscience.org/))

## Materials/Resources:

- "Snowflakes" article from the **PebbleGo Science** online database
- **PebbleGo Science** online database "Methods of Making Art" articles
- Methods of Making Art Research Handout
- Each Snowflake is Unique Handout
- Art supplies for various methods of creating artwork, such as markers, paint, crayons, camera, brushes, and string

## Procedures/Lesson Activities:

### Focus

1. Bring the class together and draw a KWL chart on the whiteboard. Create three columns, labeling each "What We Know," "What We Want to Know," and "What We Learned." Above the columns, write the word "Snowflakes."
2. Ask students "What do you know about snowflakes?" and record their responses in the first column of the KWL chart, "What We Know."
3. Ask students "What do you want to learn about snowflakes?" and write their responses in the second column.
4. Access the PebbleGo Science database and navigate to the "Snowflakes" article. Project the article onto a screen and read the article together as a class.

5. Complete the final column of the KWL chart by asking students, “What did you learn about snowflakes?” Record their responses.



## Teach/Model

6. Explain to students that now that they know a bit about snowflakes, and that each are unique, they will have the chance to make their own.
7. Tell students that first they will learn about different methods of creating art and will choose one to make their snowflake.
8. Demonstrate accessing the PebbleGo Science online database and navigate to the “Methods of Making Art” articles. Remind students they have the option of reading the articles in either Spanish or English.
9. Select one of the articles, such as “Drawing,” and click on different tabs within the article to demonstrate navigating through the information.
10. Point out the readaloud feature by clicking the appropriate icon to the left of the text.
11. Distribute the appropriate Methods of Making Art Research handout to each student. Review the instructions and read each of the labels of the snowflake with your students.

## Guided Practice

12. Navigate to the beginning of the article you demonstrated accessing above. For example, if you choose the “Drawing” article, pull up the first page of the article for students to see. Read through the first slide and demonstrate the readaloud feature.
13. Model navigating to the next slide and filling out some of the Methods of Art Research handout. For example, write the words “paper” and “pencils” on the lines under the “Materials Needed” heading. Continue to model completing the research handout until students have mastered the process.
14. Remind students they will create their own snowflake using the method of art they selected (or were assigned). If desired, show a few examples of what a snowflake using different methods of art might look like.
15. Circulate the Each Snowflake is Unique handout and review the directions with students. Model writing the answers to a few of the question.

## Independent Practice

16. Allow students approximately 30-45 minutes to access the PebbleGo online database articles on “Methods of Making Art.” Allow students to choose one method of art to research or assign it to them.
17. Direct students to complete the Methods of Making Art research handout.
18. Offer the appropriate art materials to students to create their own snowflake using the art method they researched.
19. Ask students to complete the Each Snowflake is Unique handout.

## Closure

20. Invite students to share their snowflakes and discuss what method of art they chose. Ask students to explain why they chose that method and to share a few interesting facts they learned during the research and creation process.
21. Display the snowflakes in your classroom to decorate for the winter season.



## Extend/Enrich

- Ask students to research more than one method of making art instead of only one.
- Invite local artists and artisans to come and speak to your class about how they create their art.

Name: \_\_\_\_\_

### Methods of Making Art Research

Use the “Methods of Making Art” articles from the **PebbleGo Science** online database to complete the research handout.

ART METHOD

MATERIALS NEEDED

WAYS TO CREATE ART

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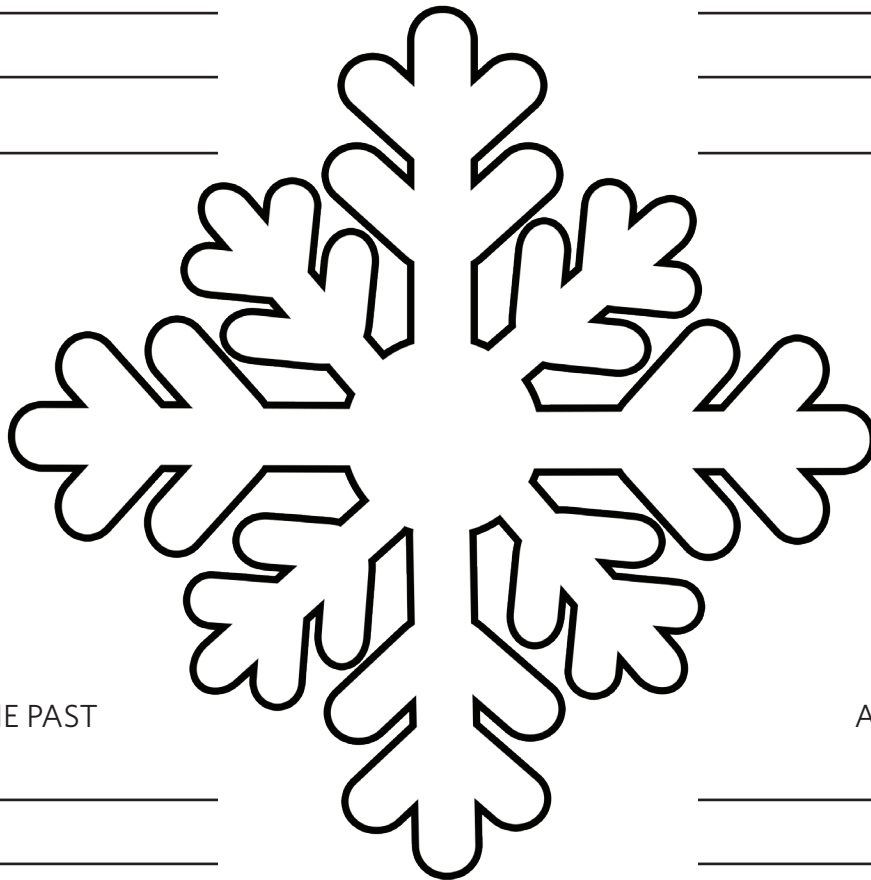
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ART IN THE PAST

ART TODAY

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FAMOUS ARTISTS

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Bibliography: \_\_\_\_\_

Name: \_\_\_\_\_



## Each Snowflake Is Unique

Create your own snowflake using one method of art you learned about from the **PebbleGo Science** online database. Then, answer the questions below about your creation.

What art method did you use to create your snowflake?

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Why did you choose this art style?

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What did you learn about this art style as you created your snowflake?

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What makes your snowflake unique?

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