

Grades K - 3

Materials needed:

- Cardboard box (e.g. milk or tissue boxes)
- Scissors
- Glue/tape
- Paint or crayons/markers
- Decorations (e.g. popsicle sticks, sticker, buttons)
- Ruler

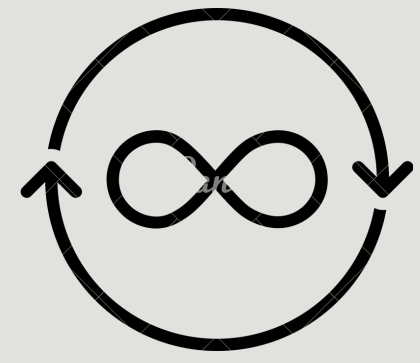


Métis Transport Boxes by Leah Dorion

Access the video in the RLI RECC room!

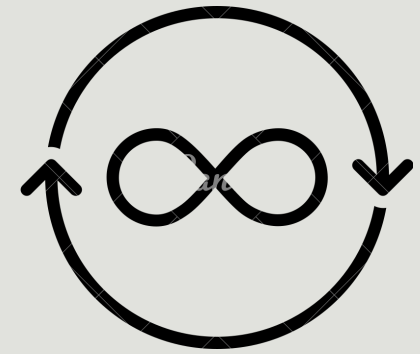


K-3 STEAM Card



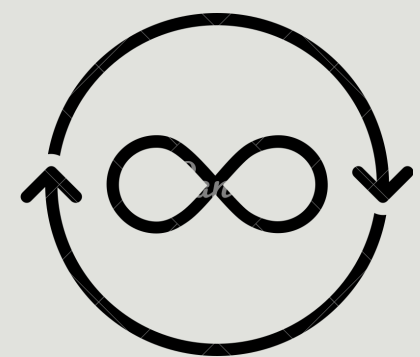
Science

Think of three different materials that boxes could be made out of.



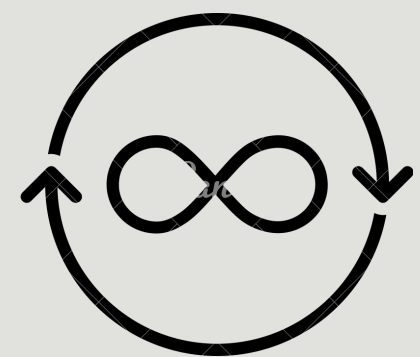
Technology

Using a ruler, measure the size of a box in your house.



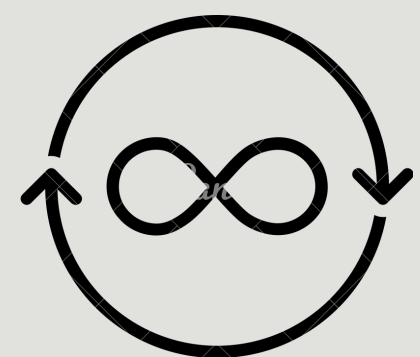
Engineering

Construct your own transport box with materials from around your home.



Art

Decorate your box with materials from around your house.



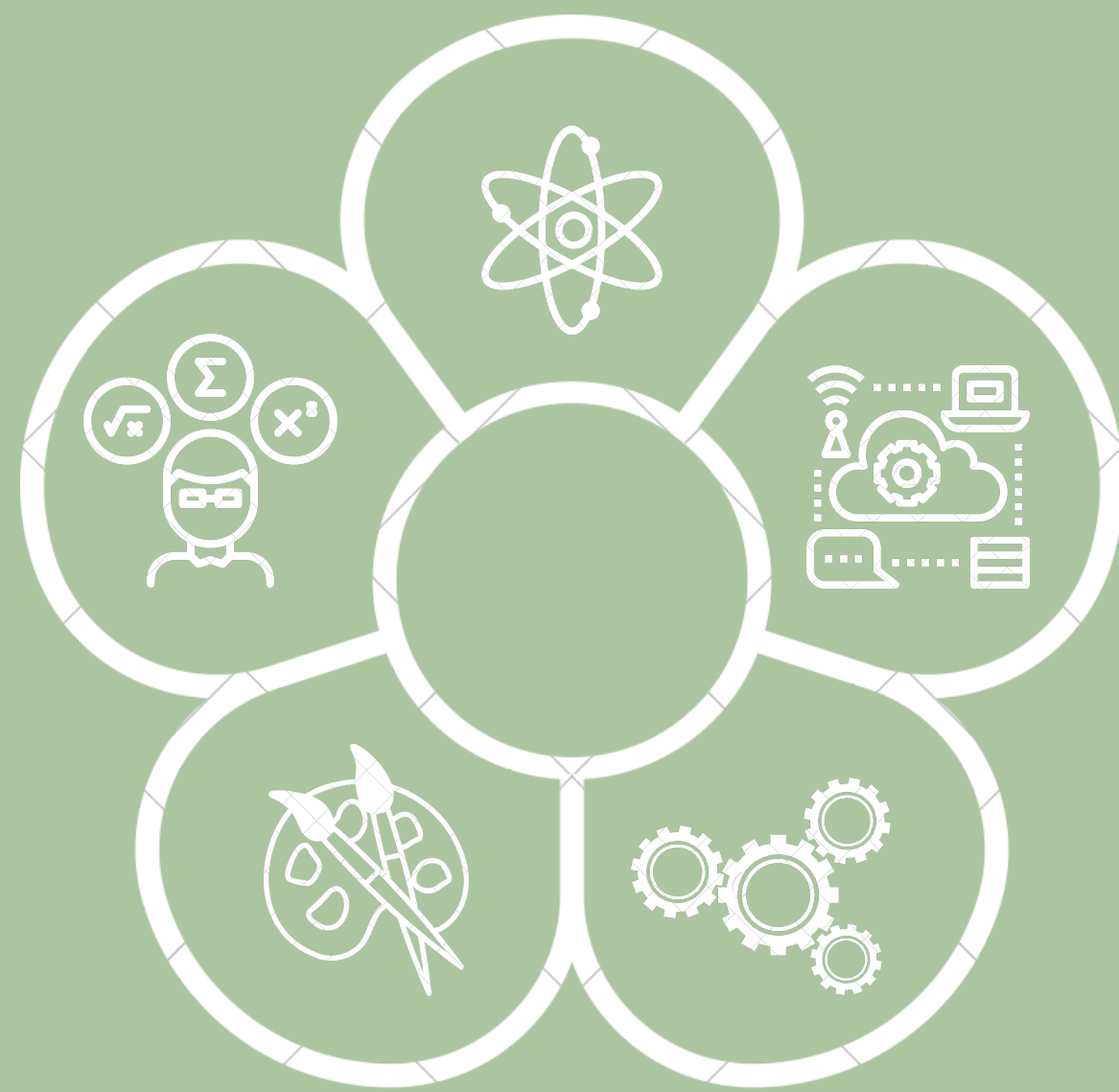
Mathematics

What different shapes can a boxes come in?

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Science hint: What materials could be found in nature?



Grades K - 3

Materials needed:

- Willow sticks (e.g. pencils or any wooden stick)
- Coloured tape or ribbon
- Any other art supplies (e.g. markers, stickers, paint, bells)



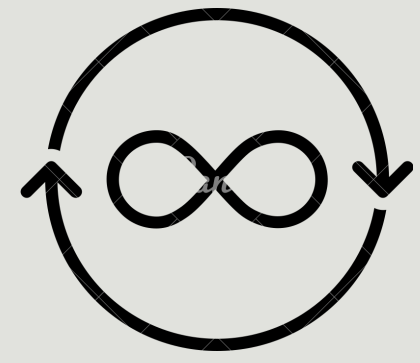
Métis Singing Sticks

by Leah Dorion

Access the video in the RLI RECC room!

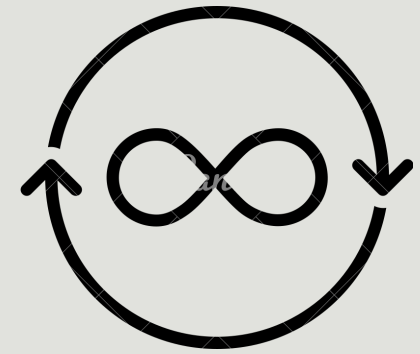


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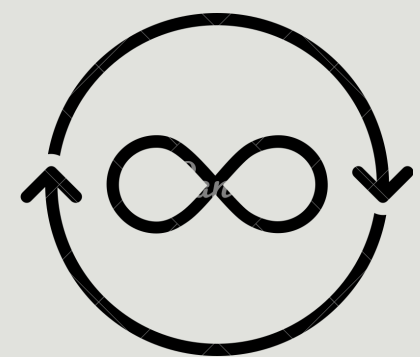
Science

What are three ways to make your sticks sound louder?



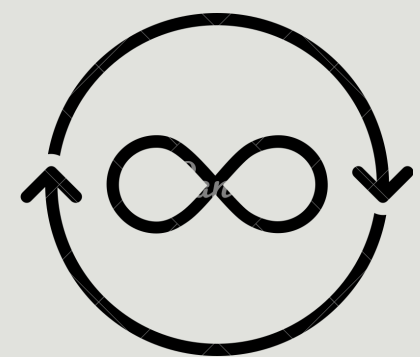
Technology

Use a device to record yourself playing your sticks.



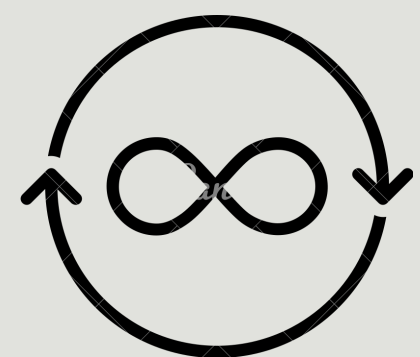
Engineering

Add something to your sticks to make them quieter.



Art

Construct your own singing sticks and then decorate them.



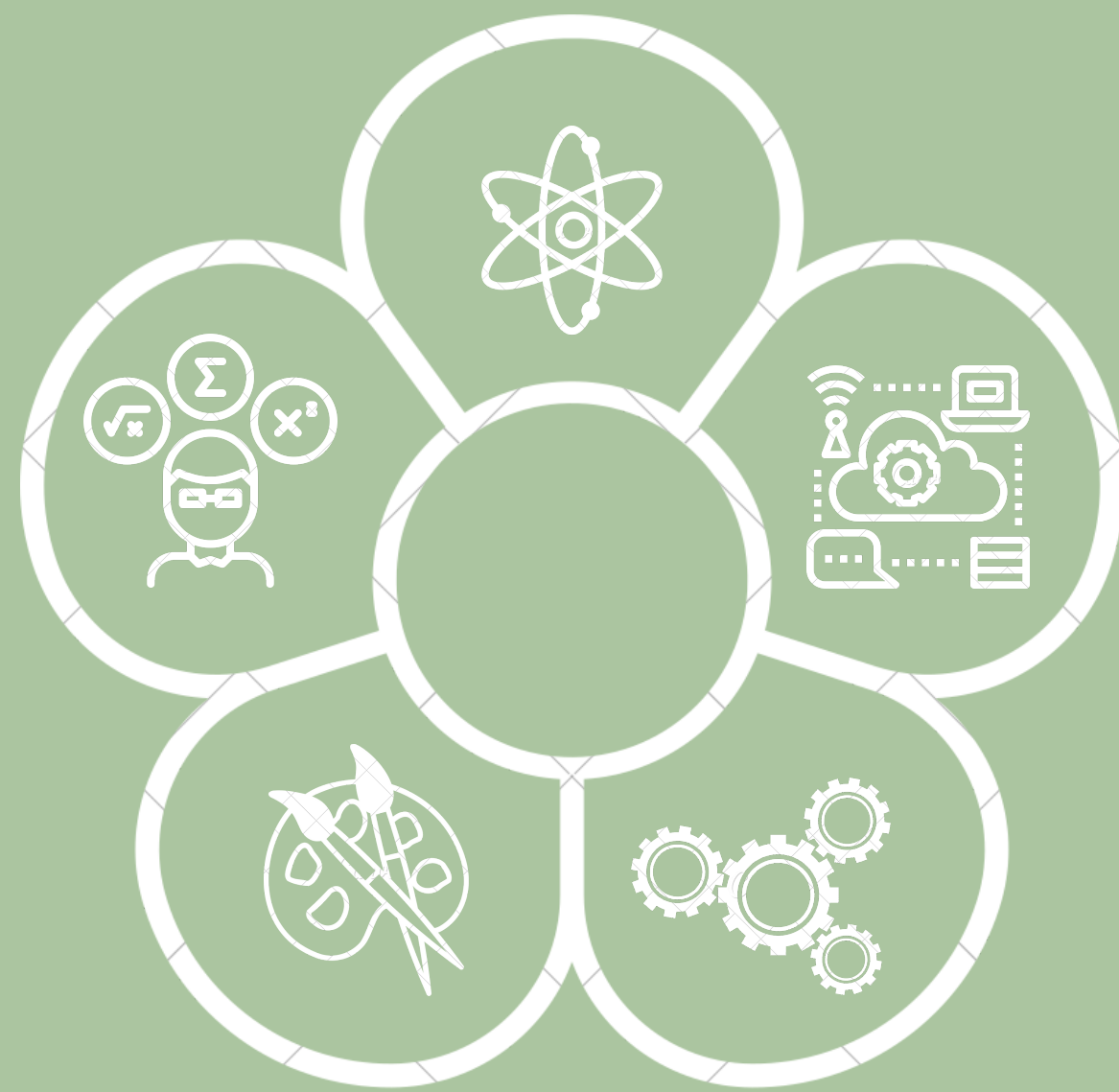
Mathematics

If Katelyn has 5 singing sticks and Phillip has 3, how many do they have combined?

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Math hint: you will need to add the sticks together. Try drawing it out!



Grades K - 3

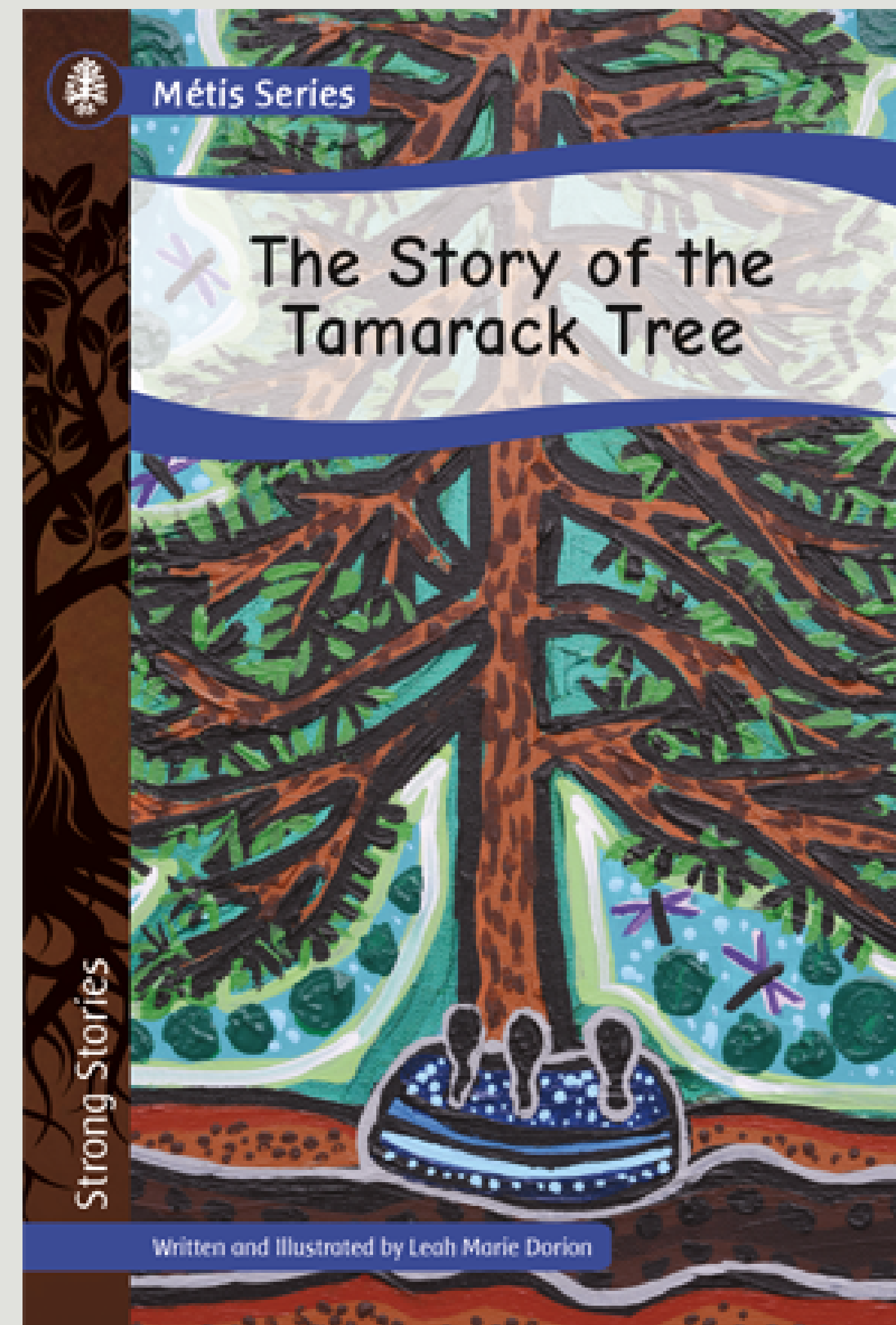
Materials needed:

- Tamarack Branches (You can use other branches, just soak them before hand. Please responsibly source these branches)
- Scissors
- String or twine

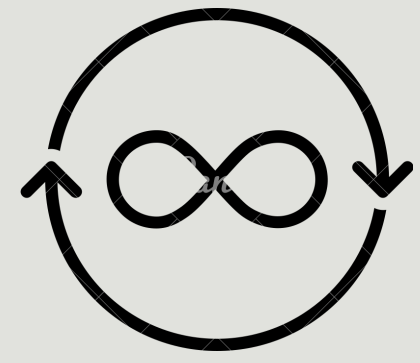


The Story of the Tamarack Tree by Leah Dorion

Access the video in the RLI RECC room!

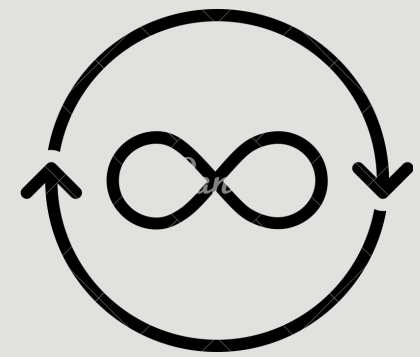


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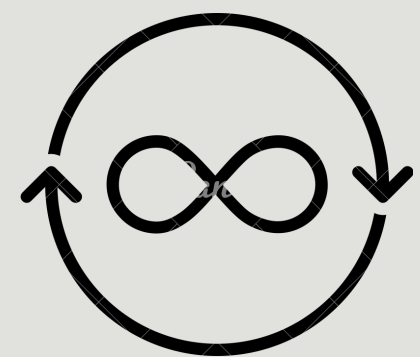
Science

What are three features of an environment where a goose would live?



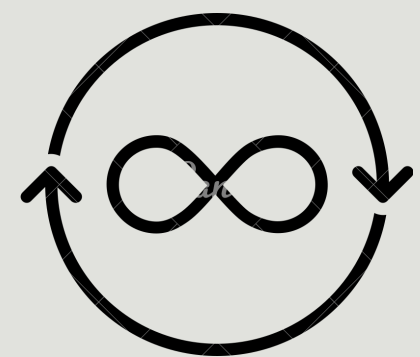
Technology

Use a device to find why some birds, such as geese, leave Canada in the winter.



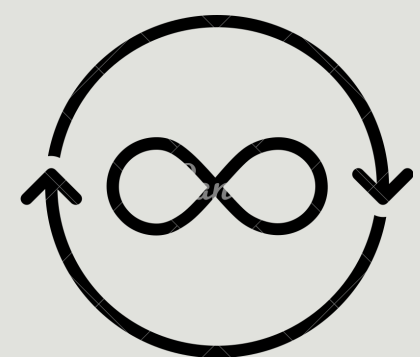
Engineering

Construct your own goose decoy, with the guidance of Leah Dorion.



Art

If you were a goose, where would you fly in the winter and why? Draw or tell a story.



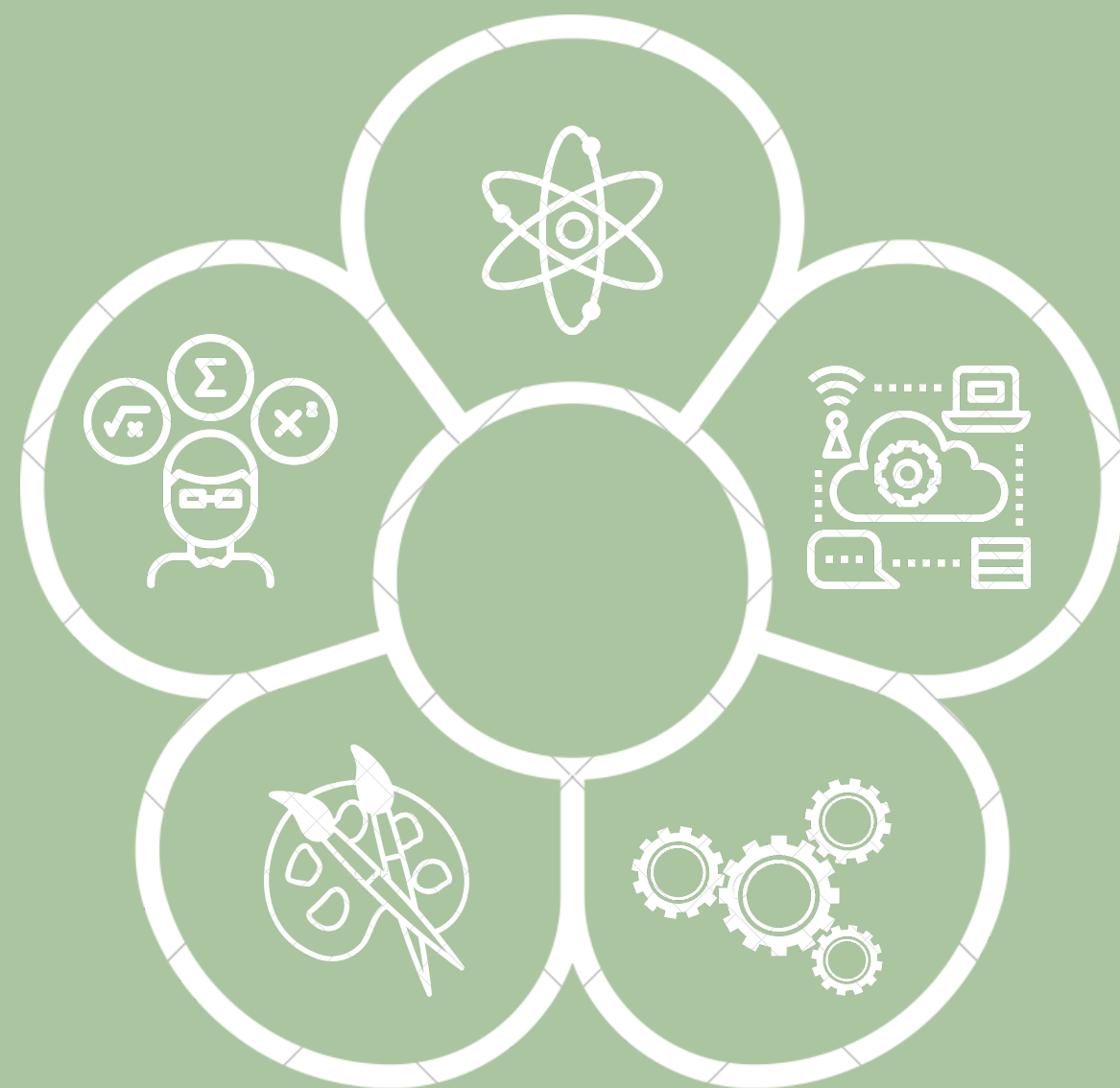
Mathematics

If 6 geese are flying together, how could they be organized to fly in a "V" shape.

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Math hint: draw out a "V" shape to see how the geese could fit.



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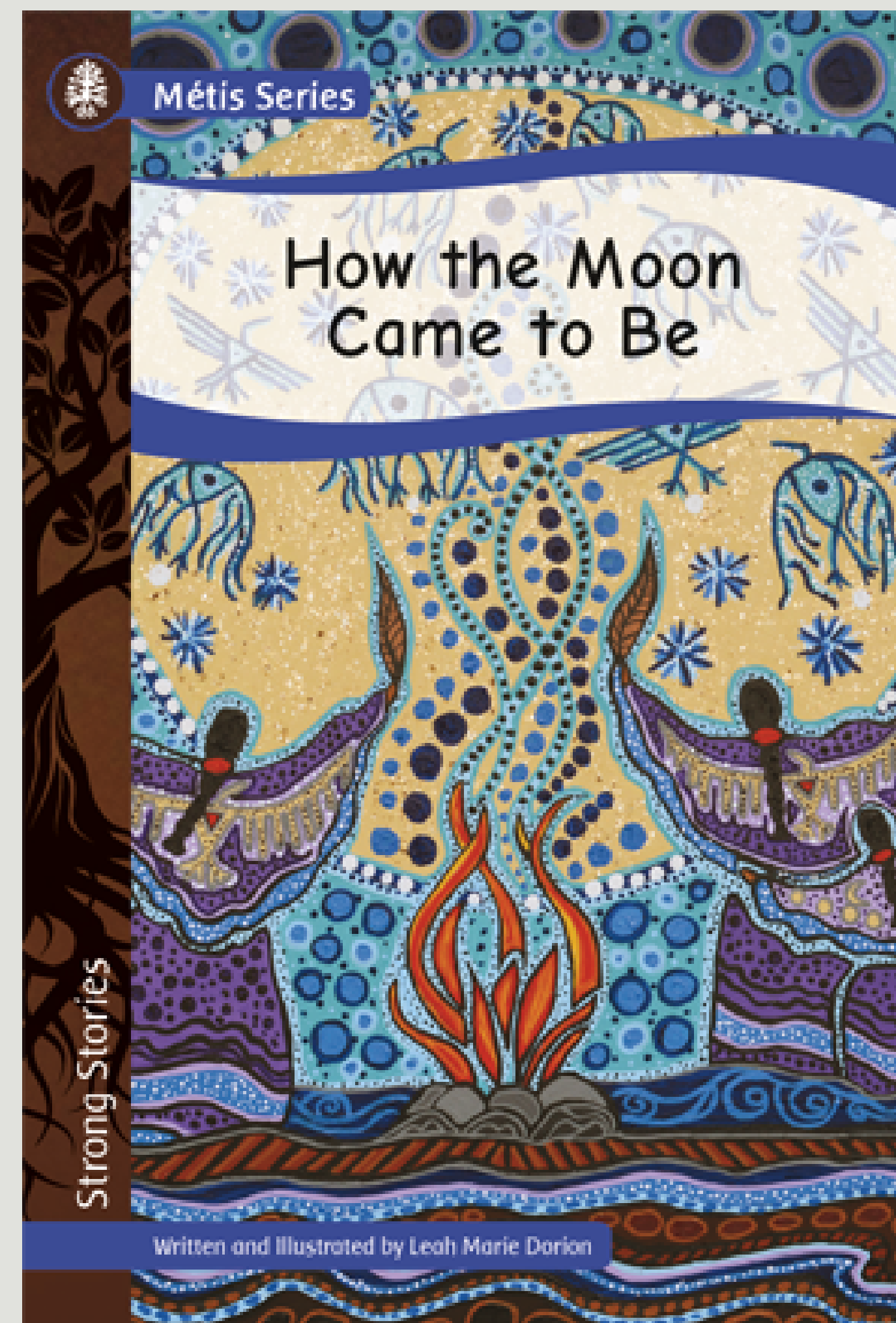
Materials needed:

- Bristol Paper (or construction paper)
- Scissors
- Markers/crayons
- Glue/tape
- String, Hole Punch
- Extra Materials (e.g. buttons, stickers, glitter)

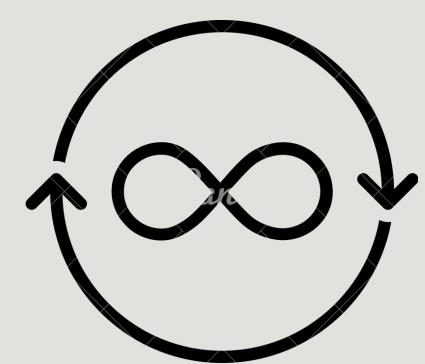


How the Moon Came to Be by Leah Dorion

Access the video in the RLI RECC room!

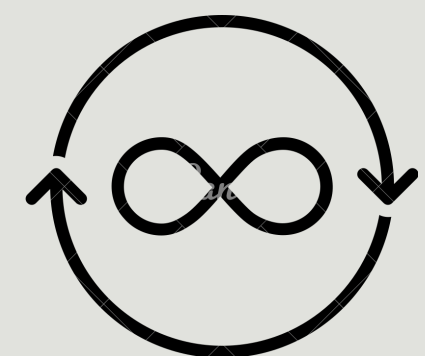


K-3 STEAM Card



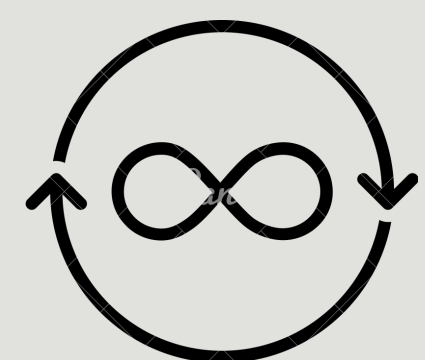
Science

The moon does not always look the same. Think of a few ways of how it changes.



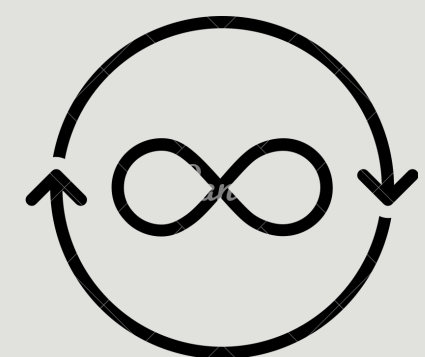
Technology

What are some tools that people have used to study the moon?



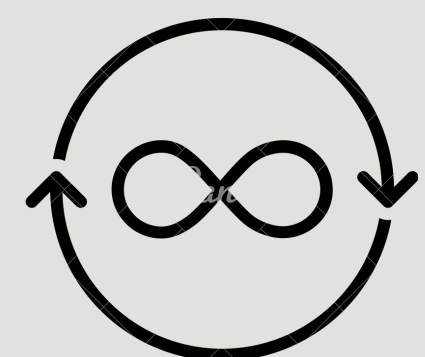
Engineering

Construct your own hanging moon, with the guidance of Leah Dorion in the video.



Art

Tell or draw a story about travelling to the moon. How would you get there and what would you bring?

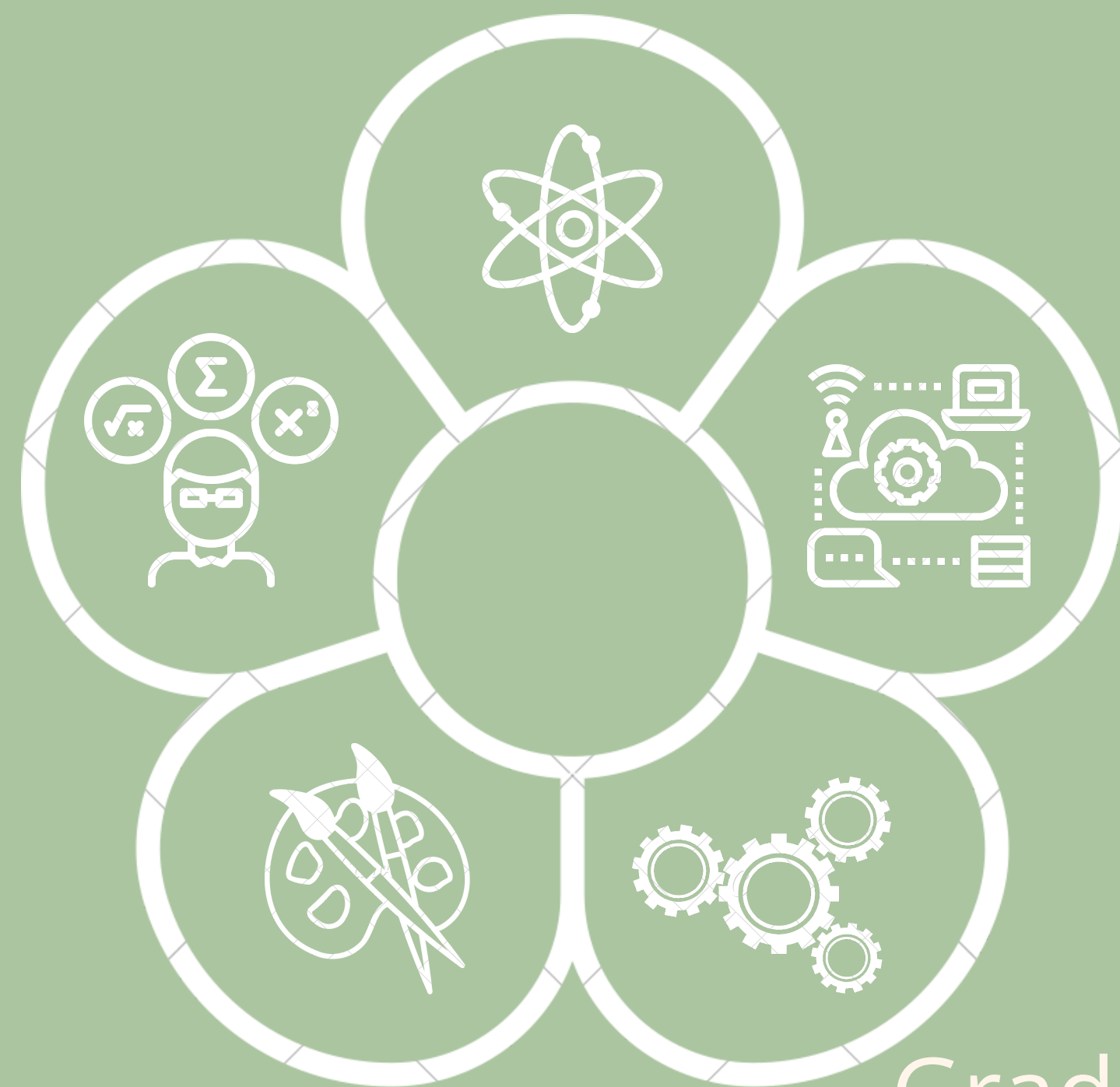


Mathematics

Use a ruler to measure how wide your moon is.

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Science hint: The moon is not always a circle.



Grades K - 3

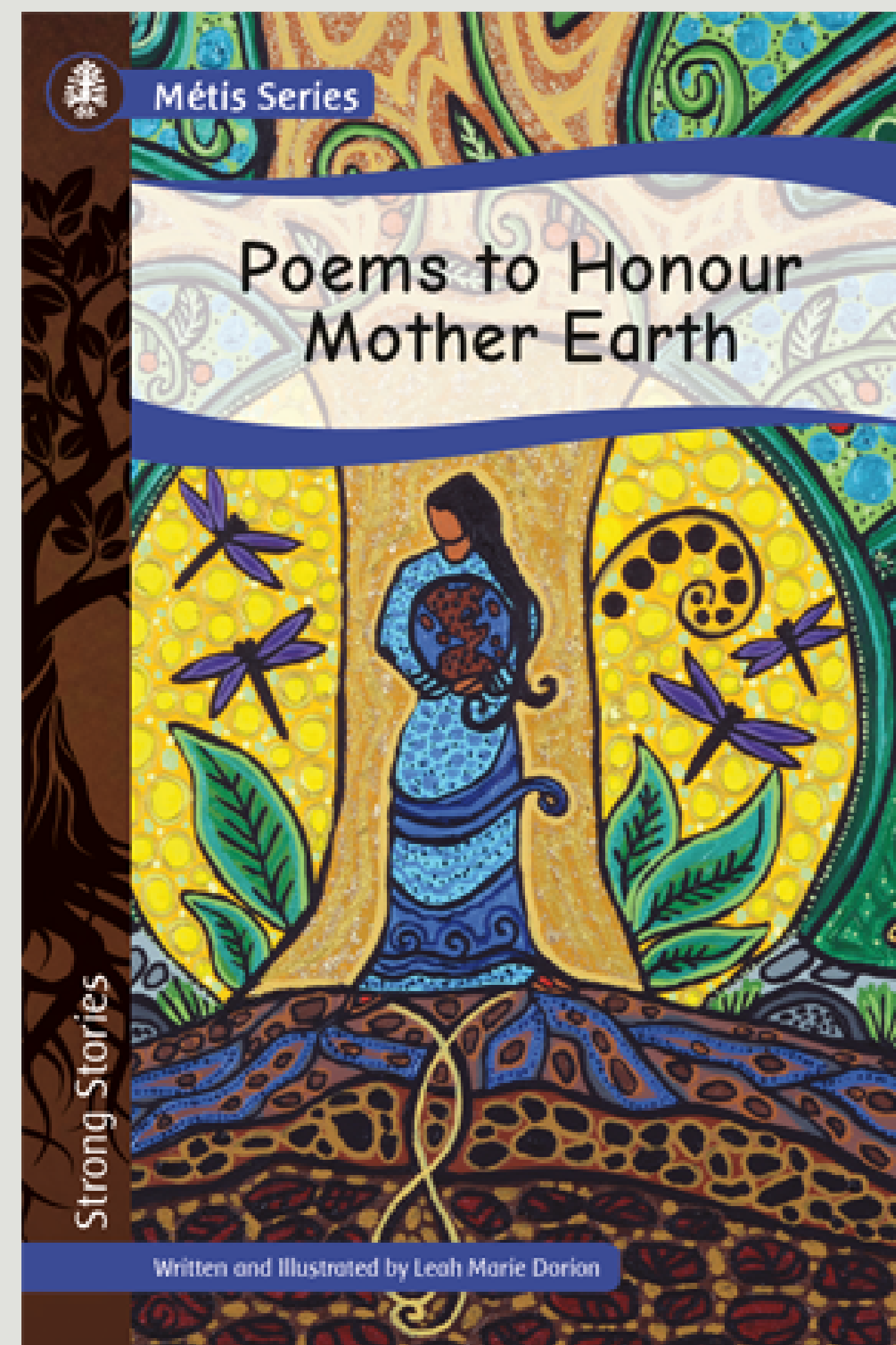
Materials needed:

- canvas or paper
- paint and brushes, or markers
- clay

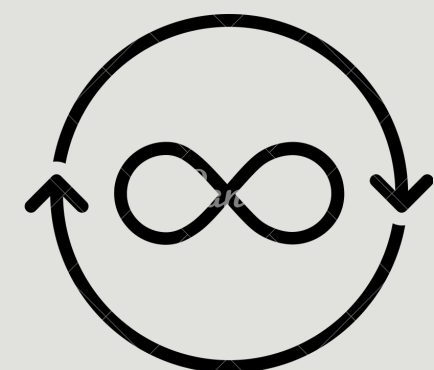


Poems to Honour Mother Earth by Leah Dorion

Access the video in the RLI RECC room!

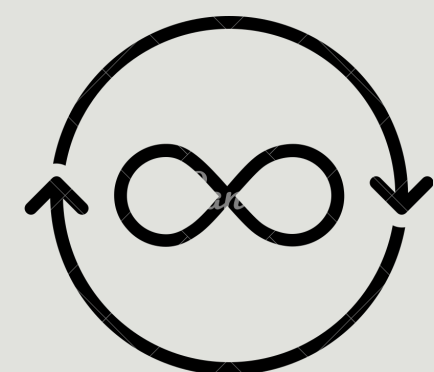


K-3 STEAM Card



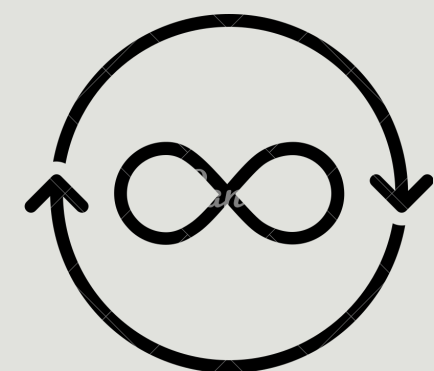
Science

What animals depend on rivers in Alberta?



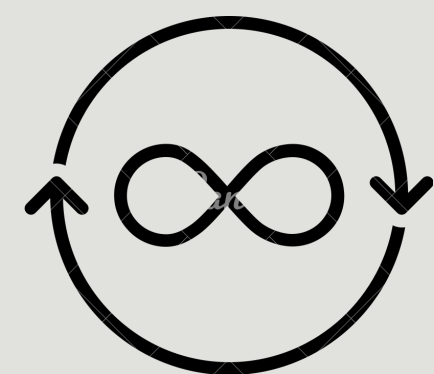
Technology

What tools help us see changes in the weather



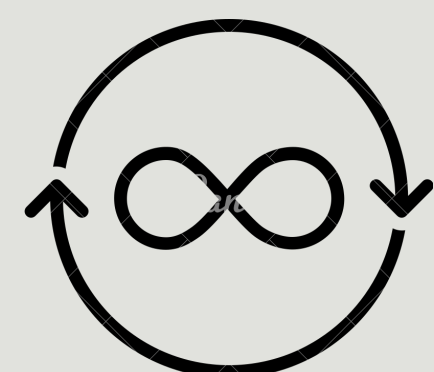
Engineering

Find three materials that could float on water and that could carry a rock.



Art

Paint your own representation of water.

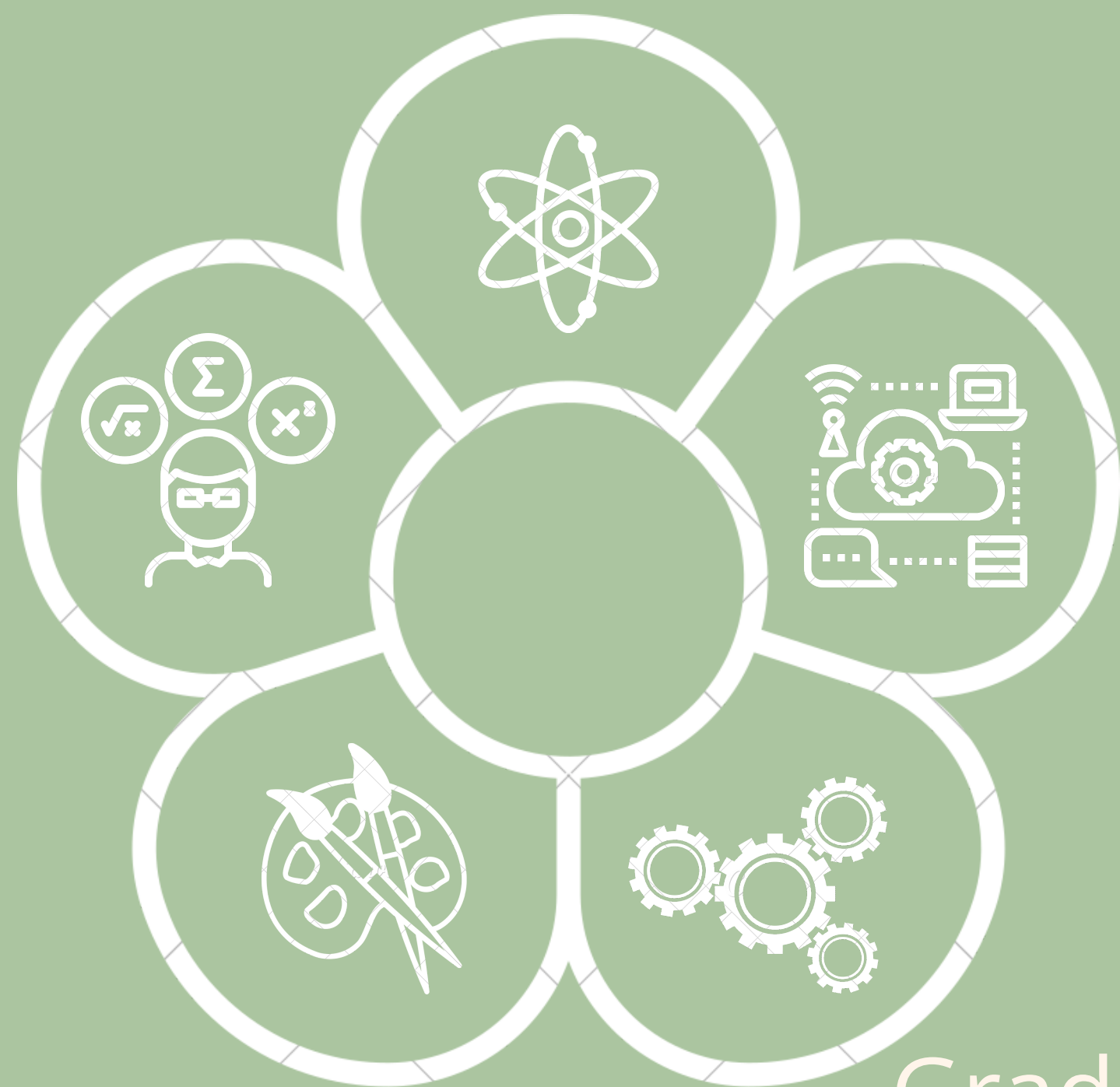


Mathematics

If Jenny has 6 buckets of water, and drinks 3 of them. How many buckets does she have left?

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Math hint: You will need subtraction for this question. Try drawing the buckets of water.



Grades K - 3

Materials needed:

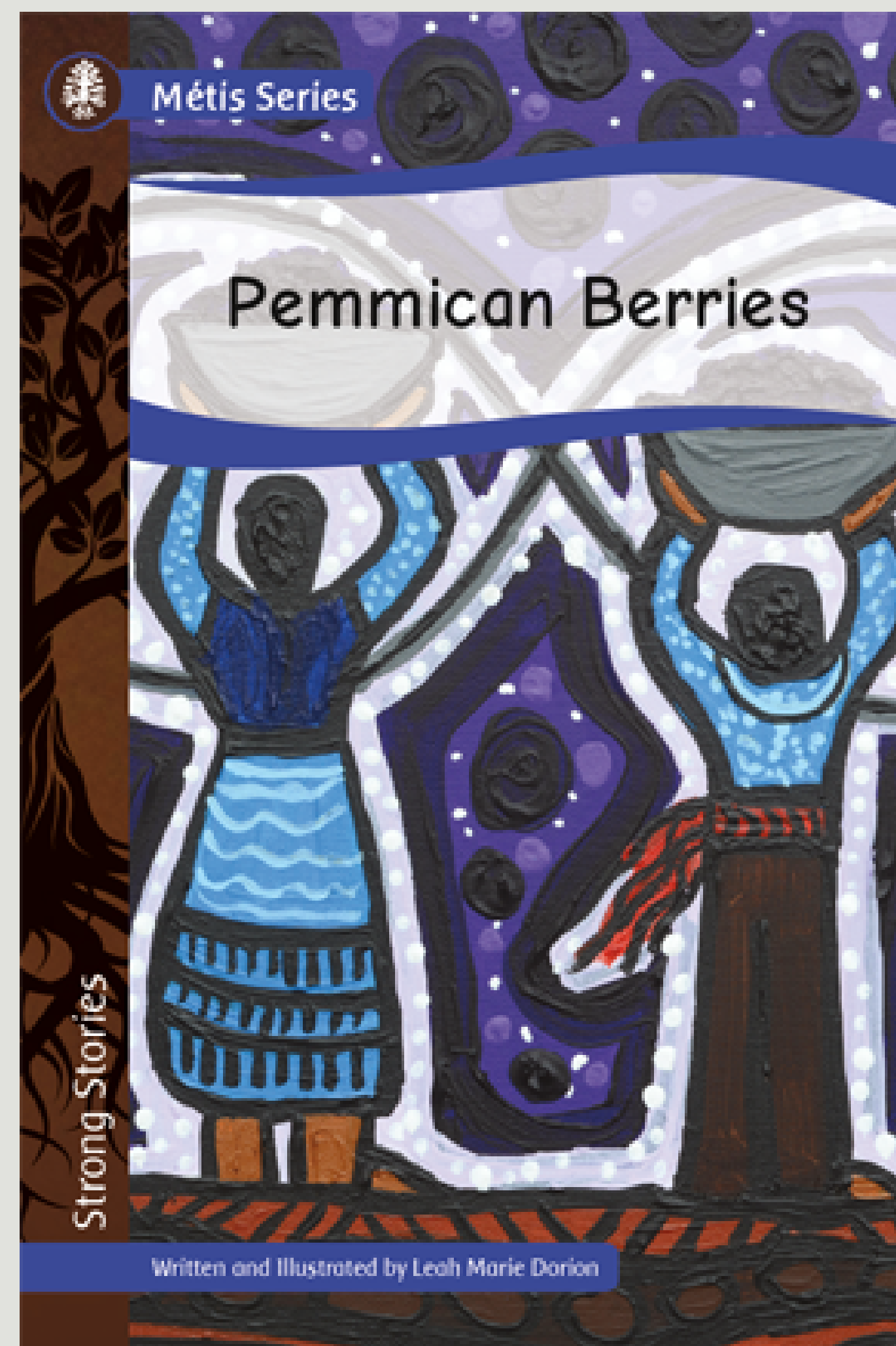
- berries
- paint and brushes, or markers
- paper or canvas



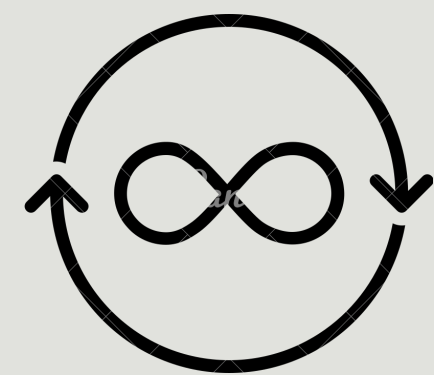
Pemmican Berries

by Leah Dorion

Access the video in the RLI RECC room!

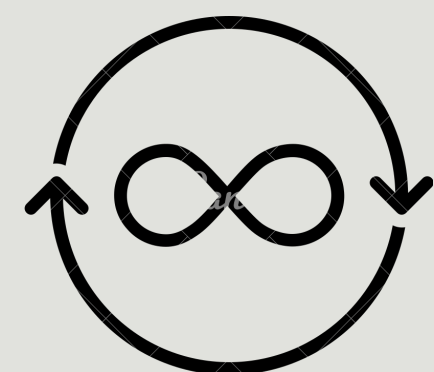


K-3 STEAM Card



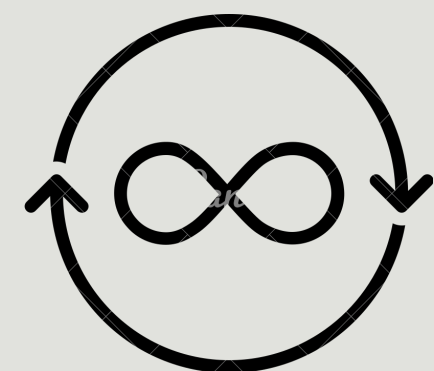
Science

What kind of berries naturally grow Alberta?



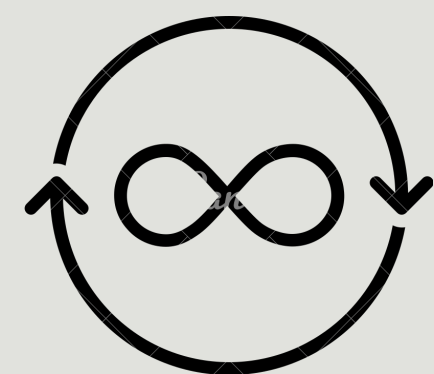
Technology

Use a device to search up what berries are unsafe to eat.



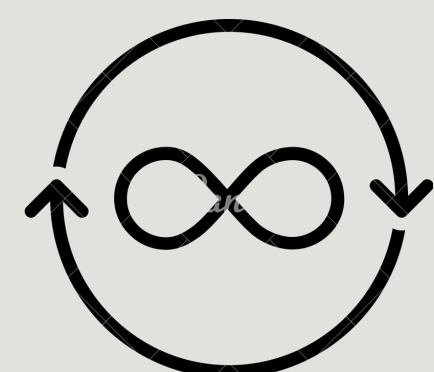
Engineering

Crush your berries to create a painting base.



Art

Paint a picture of a buffalo using your berry painting base.



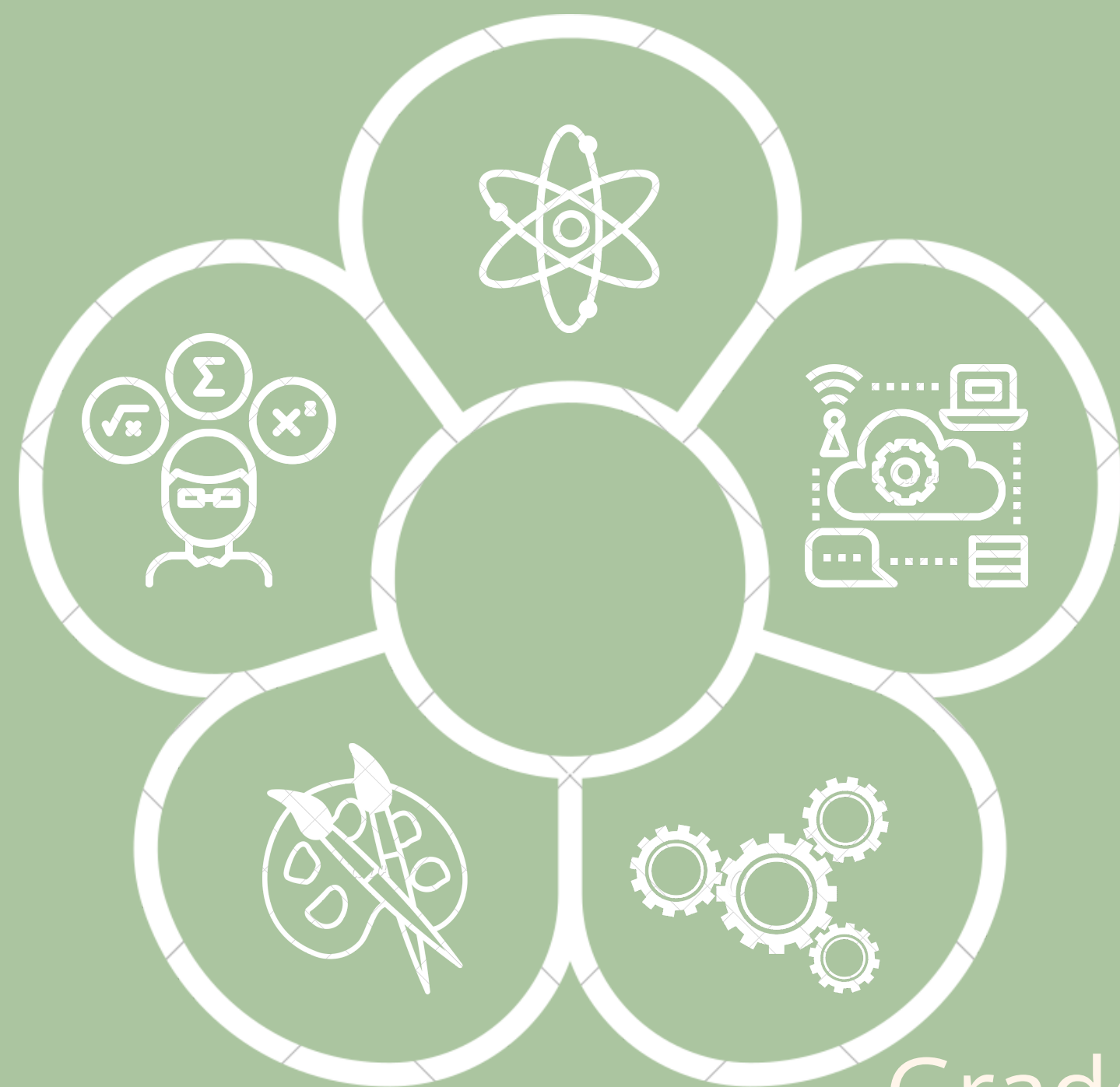
Mathematics

Burke, Caley and Emma all need 3 berries for their paintings, how many will they need all together?

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Math hint: They each need 3 berries and there is 3 of them.

$$3 + 3 + 3 = ?$$



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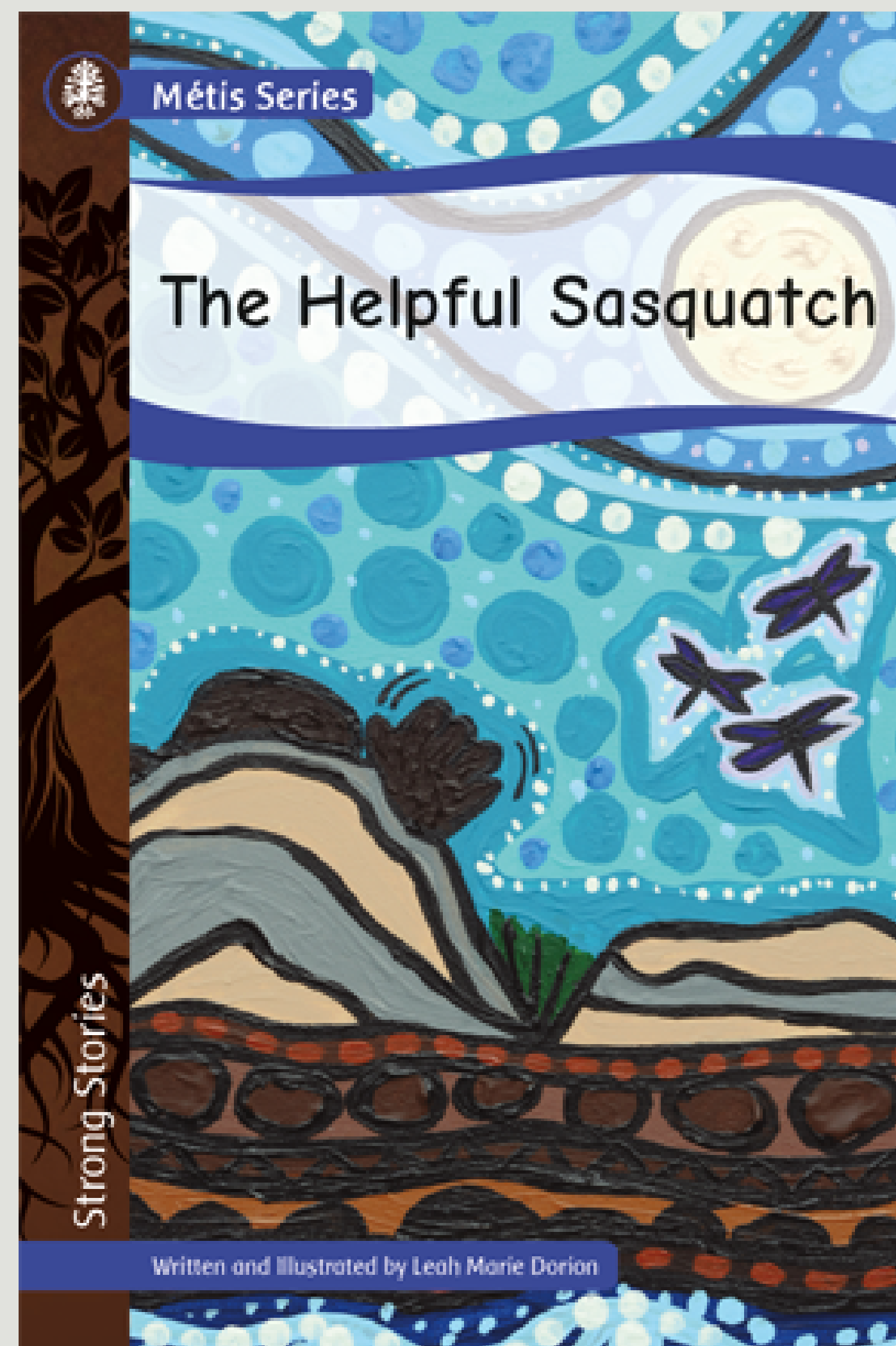
Materials needed:

- paper plates
- yarn
- pine cones and sticks
- paint and brushes, or markers
- scissors

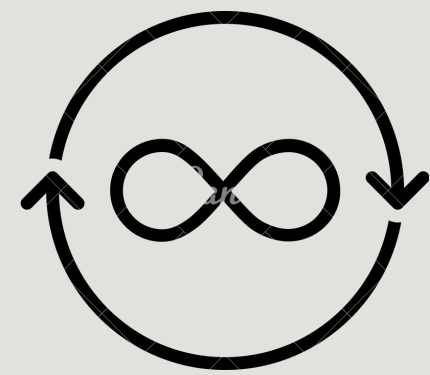


The Helpful Sasquatch by Leah Dorion

Access the video in the RLI RECC room!

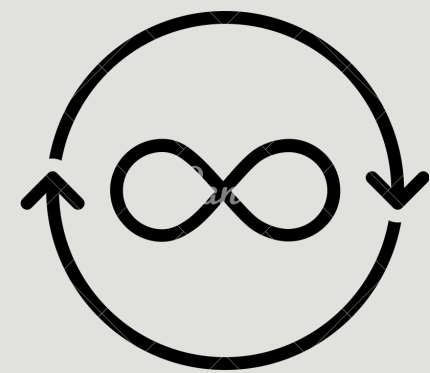


K-3 STEAM Card



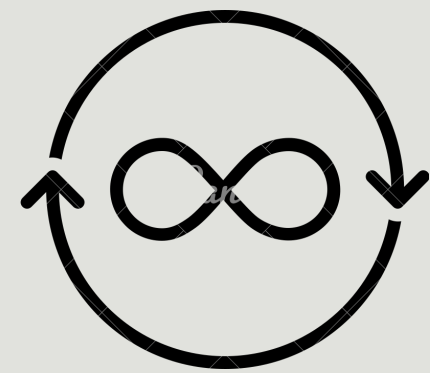
Science

Research what animals live in the Rocky Mountains of Alberta.



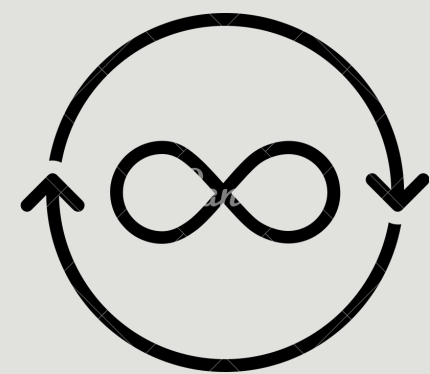
Technology

If you had to survive in the forest, what tools would you bring to help you survive?



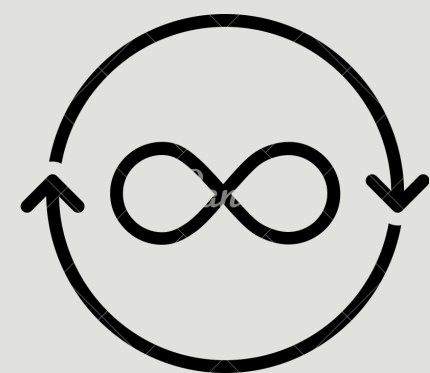
Engineering

Assemble your sasquatch mask with natural materials.



Art

Tell or draw a story about a sasquatch being your neighbor.

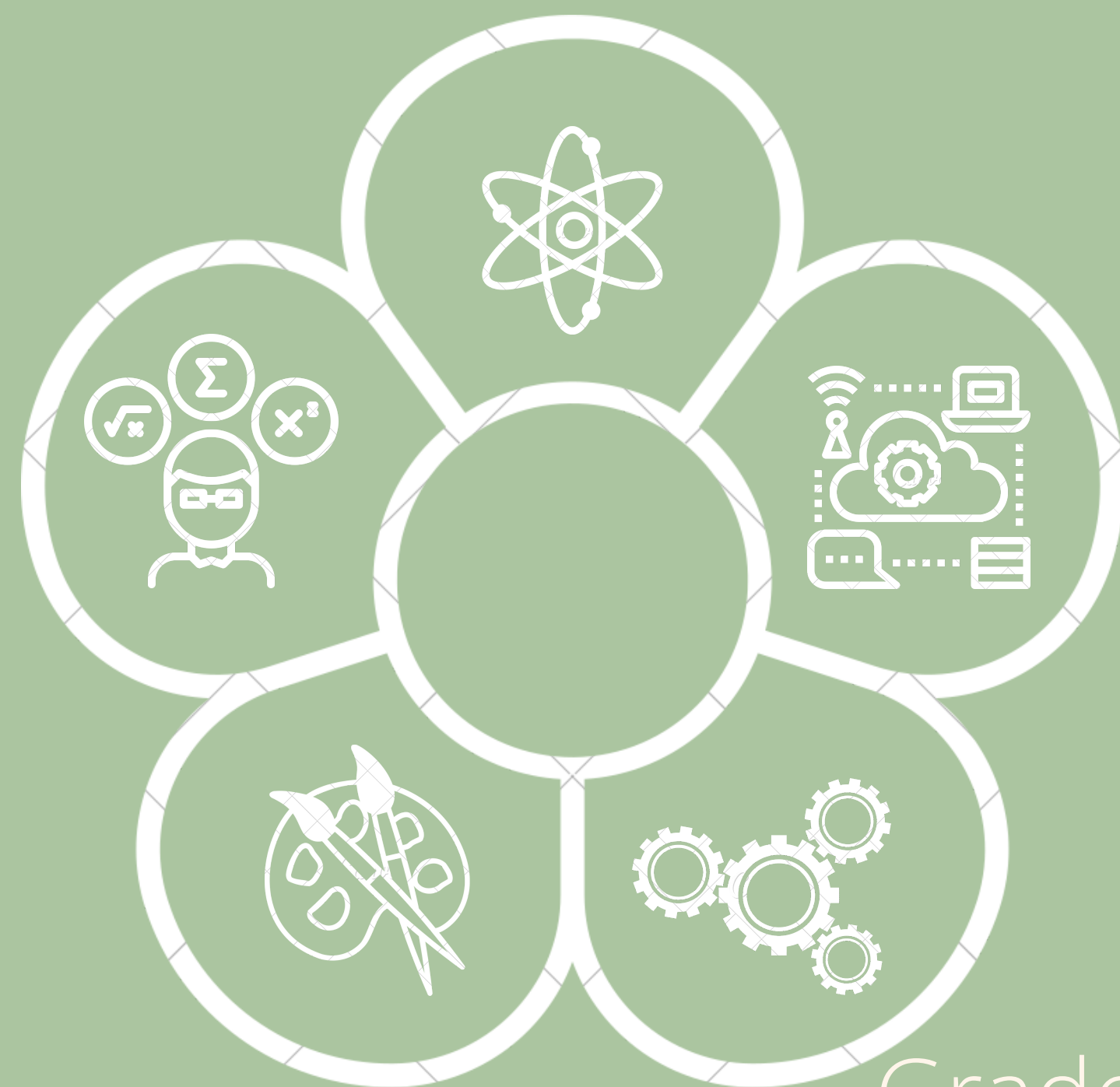


Mathematics

Sally has 5 berries in their bag and John has 10 in his. How many more berries does Sally need to pick to match John?

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Math hint: draw out the berries that Sally and John have.



Grades K - 3

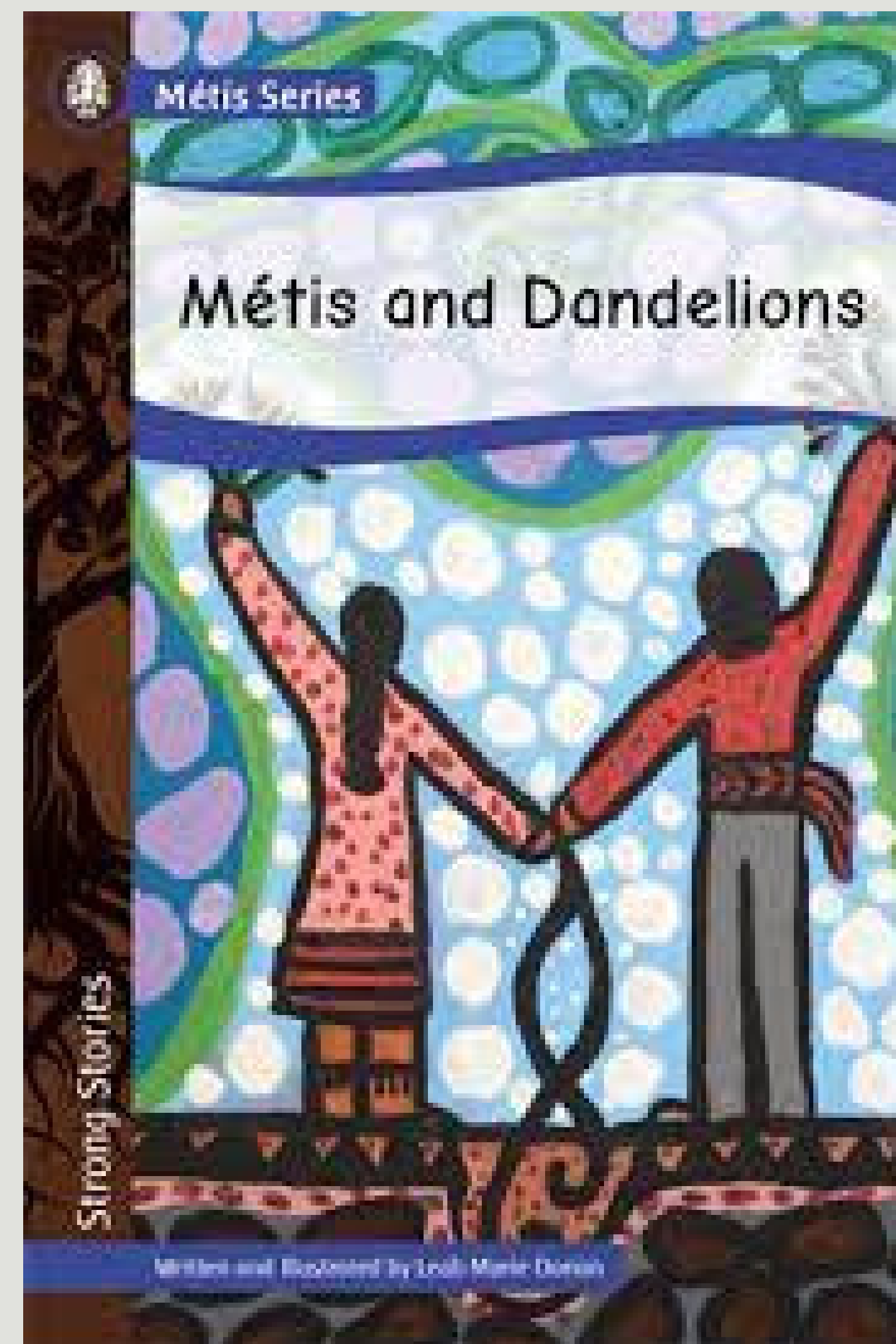
Materials needed:

- pencil, or sharpie
- paper or canvas
- paint and brushes, or markers
- ruler

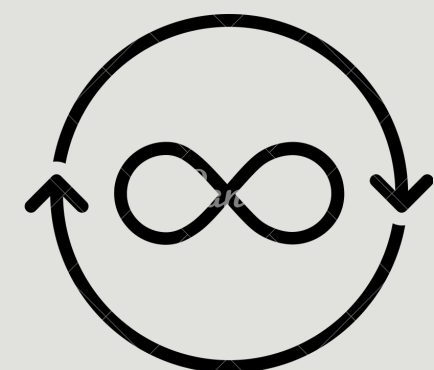


Métis and Dandelion by Leah Dorion

Access the video in the RLI RECC room!

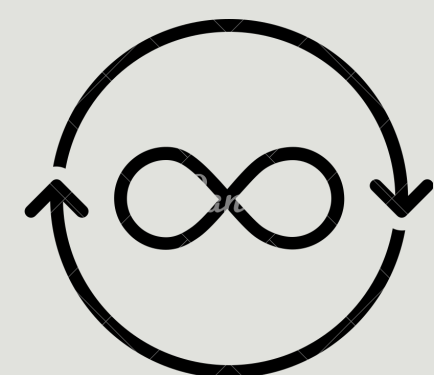


K-3 STEAM Card



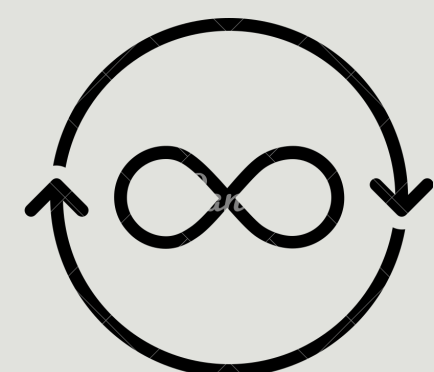
Science

Is a dandelion a weed or a flower?



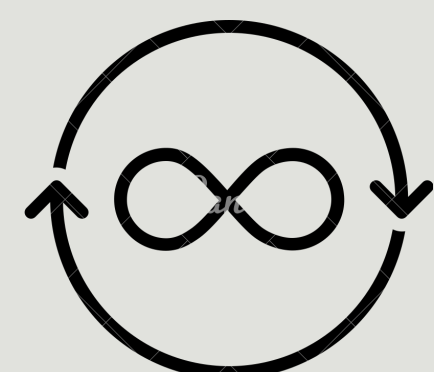
Technology

Use a ruler to measure the height of three dandelions and record it in centimeters.



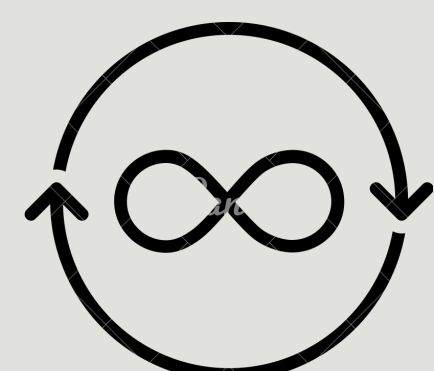
Engineering

Identify the three different parts of a dandelion.



Art

Paint your own idea of what a dandelion looks like.



Mathematics

How many centimeters taller is the tallest dandelion compared to the shortest?

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Math Hint: Subtract the height of the shortest dandelion from the height of the tallest.