

Grades 4-6

Materials needed:

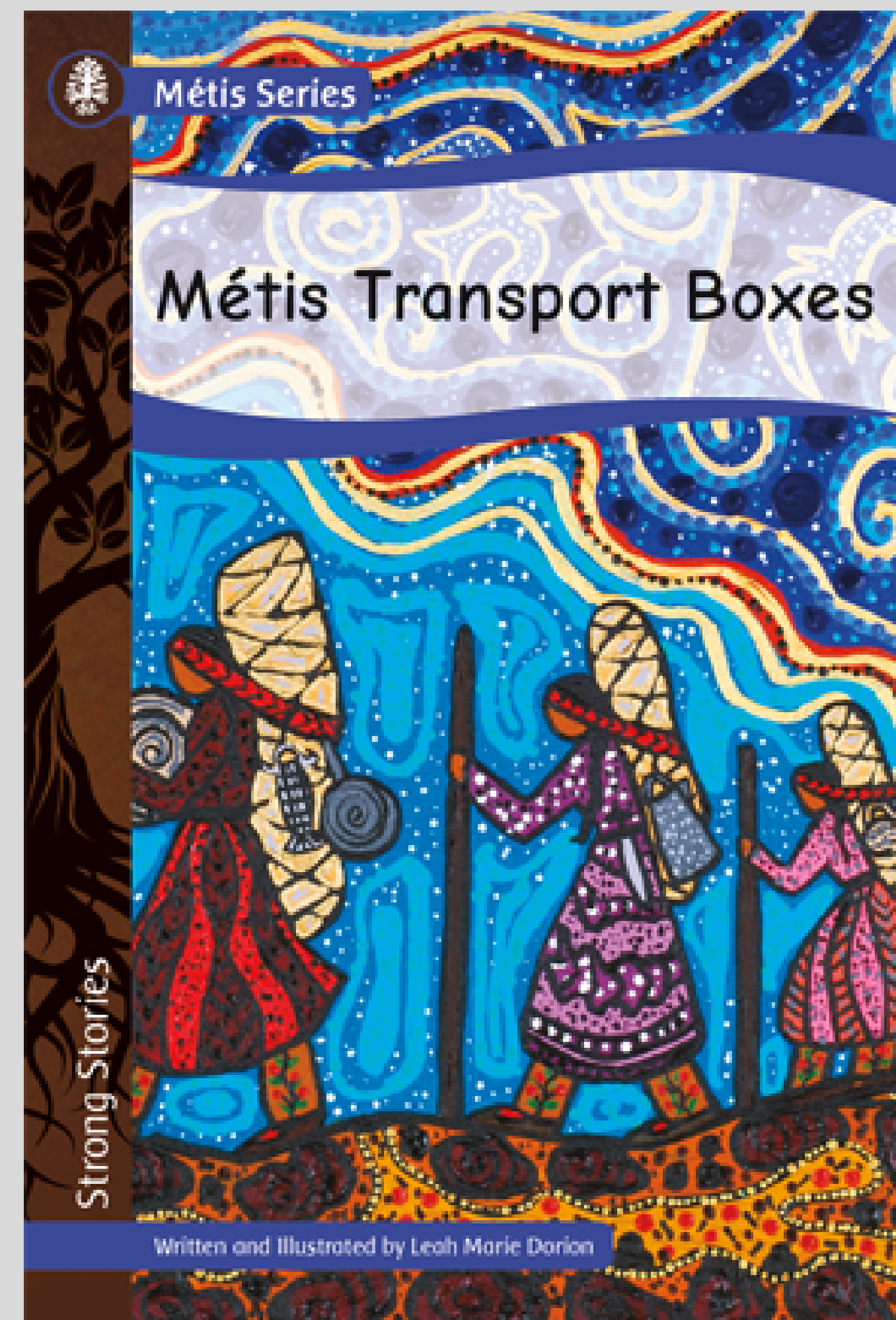
- Cardboard box (e.g. milk or tissue box)
- Scissors
- Glue or tape
- Paint, crayons, or markers
- Decorations (e.g. popsicle sticks, sticker, buttons)



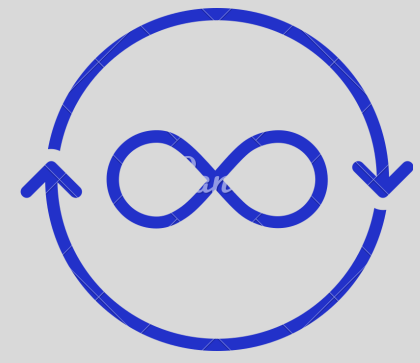
Métis Transport Boxes

By Leah Dorion

Access the video in the RLI RECC room!

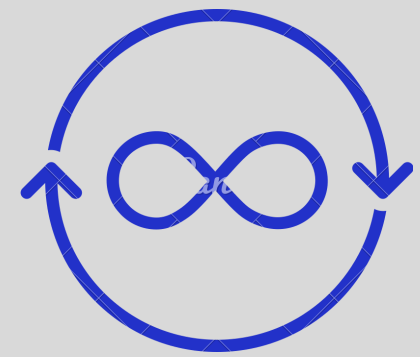


4-6 STEAM Card



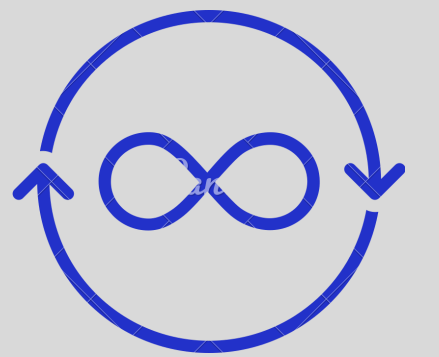
Science

Think of what natural materials you could make a transport box out of. Which materials would be the easiest to transport and why?



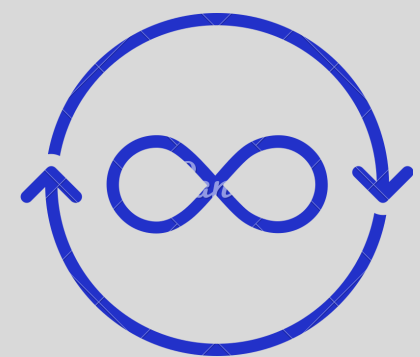
Technology

What technology would you add to make your box better suited for food transport?



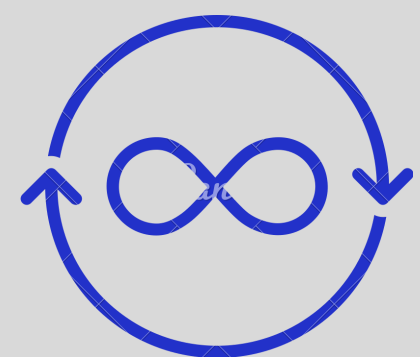
Engineering

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



Art

Draw what food you would bring in a transport box if your family went on a one week hike.



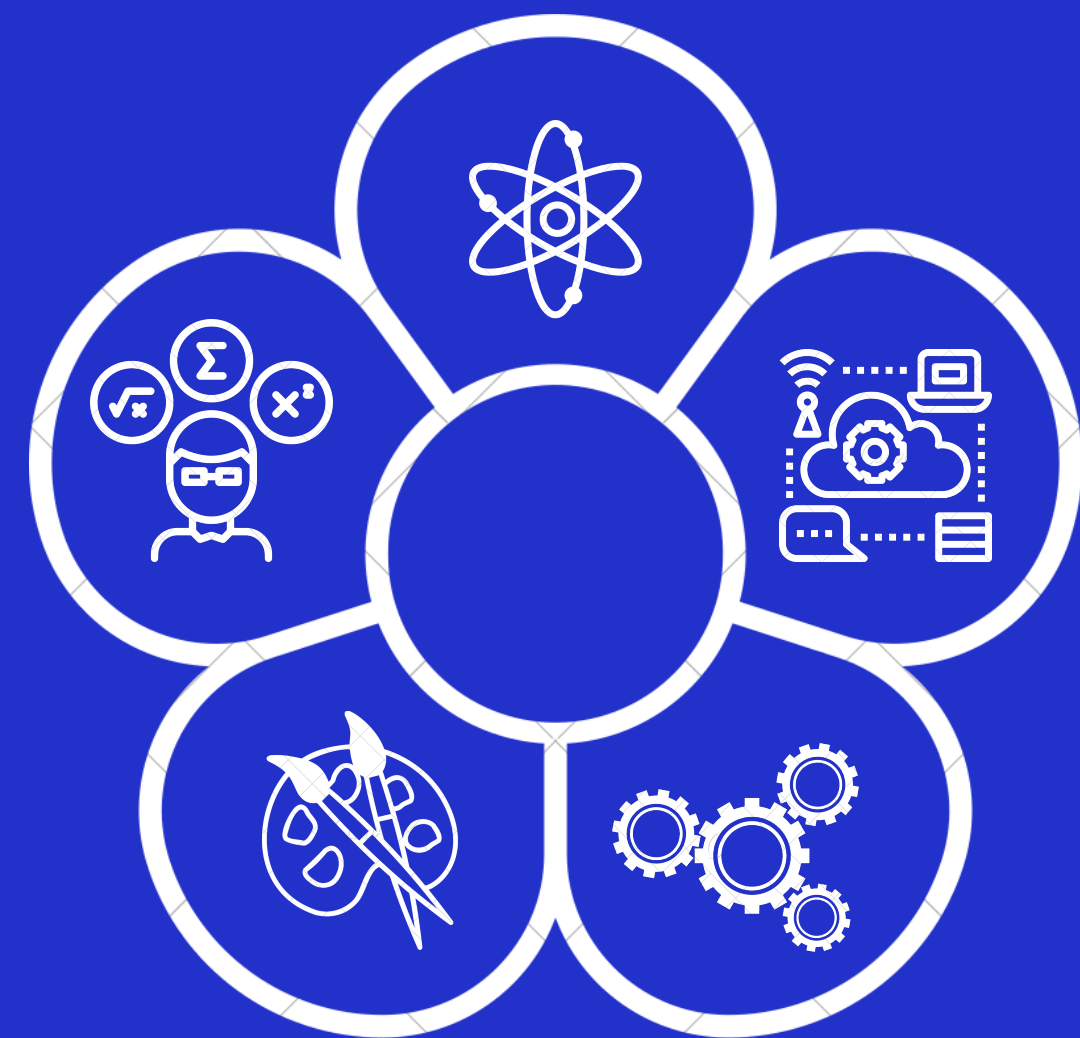
Mathematics

If Liam has his transport box $\frac{1}{2}$ full and Jaden has his box $\frac{3}{4}$ full, whose box is more full?

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Math hint: is $\frac{1}{2}$ is equal to $\frac{2}{4}$.



Grades 4-6

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!



4-6 STEAM Card

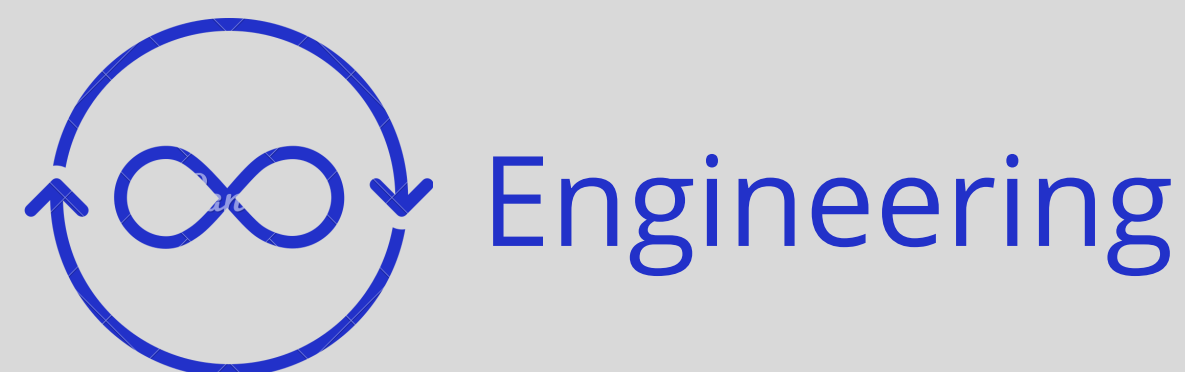




Brainstorm 3 different reasons why not all sticks sound the same when hit together.



Record yourself playing the sticks. Try to change the sound of the video.



How can you make your sticks sound different when they are hit together?



Play the beat of your favorite song with your singing sticks. What can you add to the song?

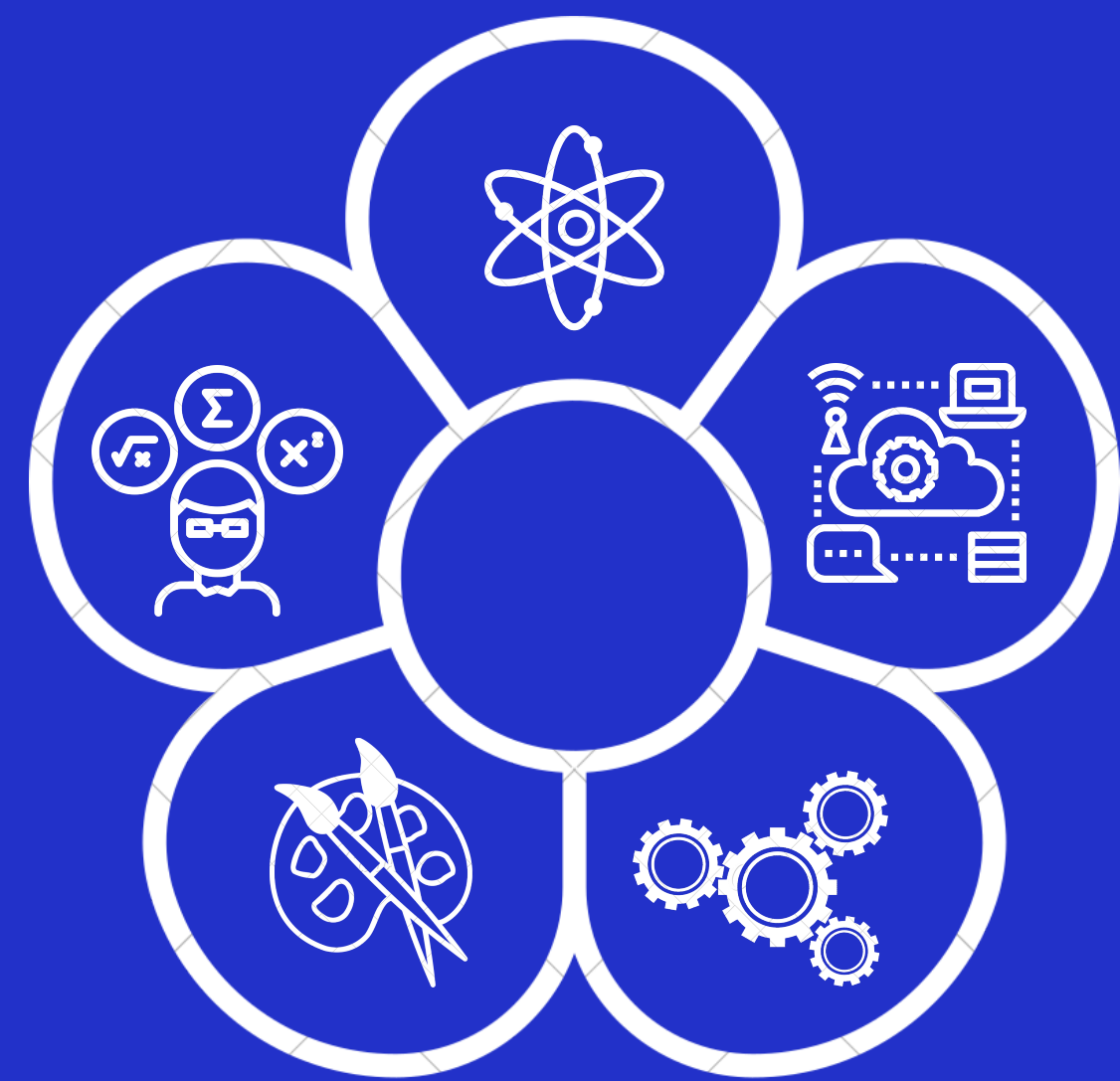


If you need 1 roll of tape to make 3 sticks, how many rolls of tape do you need for 9 sticks?

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Technology hint: play the video in reverse, or sped up/slowed down to make it sound different.



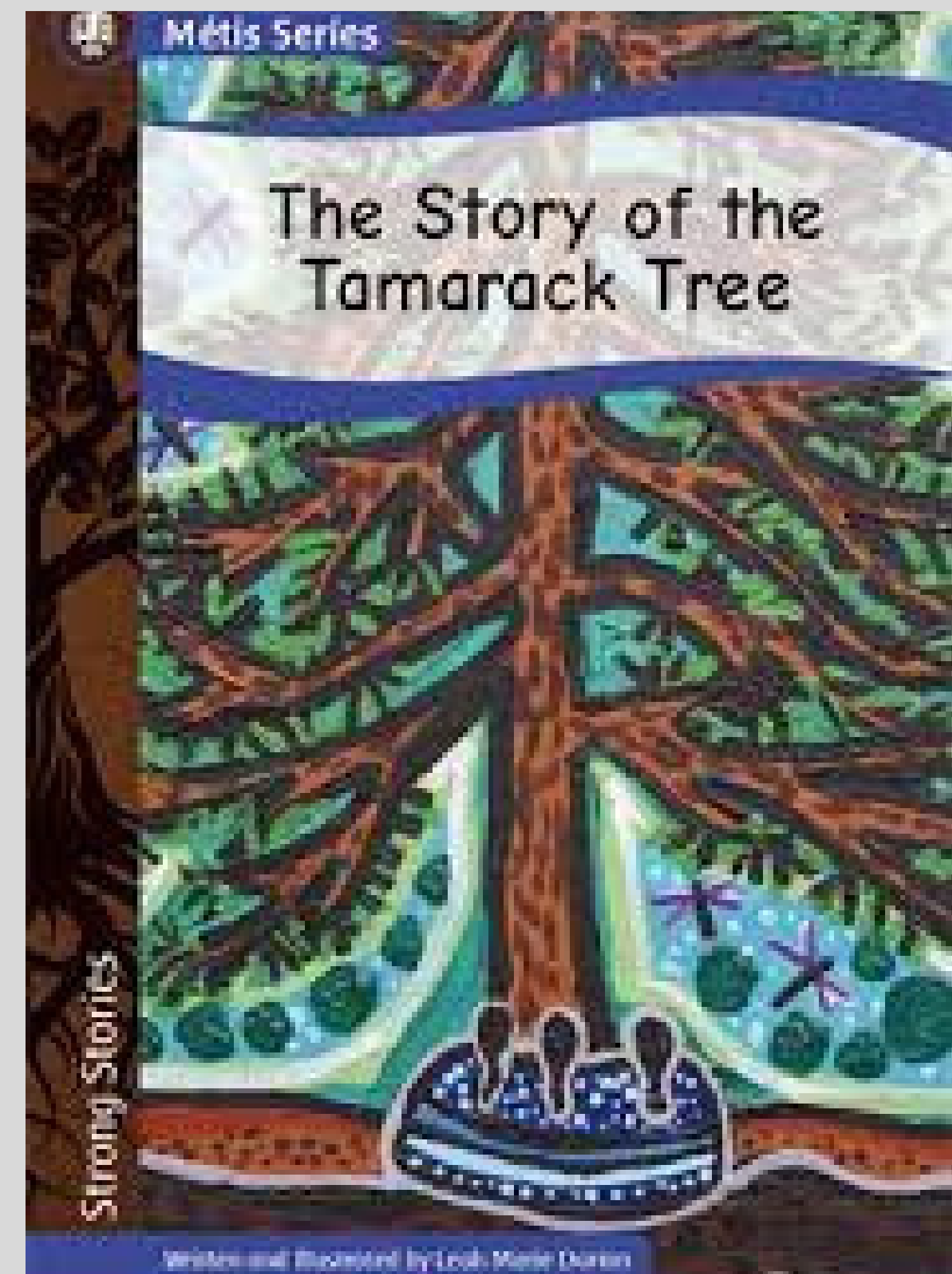
Grades 4-6

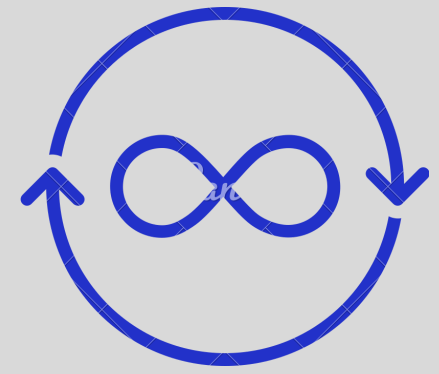
Materials needed:

- 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

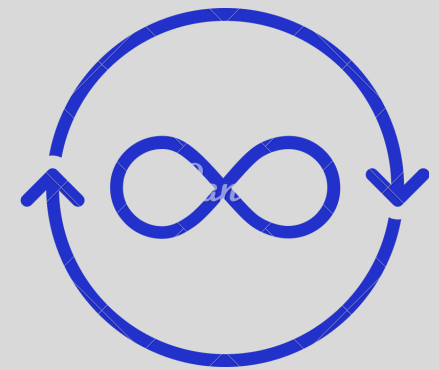
Access the video in the RLI RECC room!





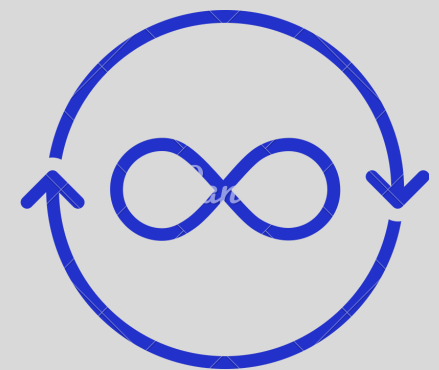
Science

Go outside and find three different kinds of leaves. Identify the similarities and differences of each leaf.



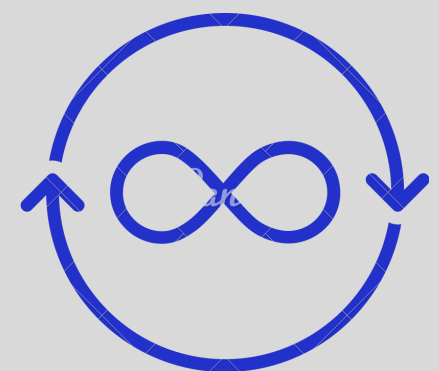
Technology

Take a picture of every new leaf you see this week and start a digital photo album.



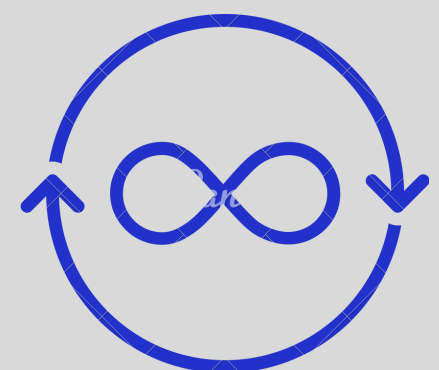
Engineering

Using materials from around the house, construct a lean-to.



Art

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



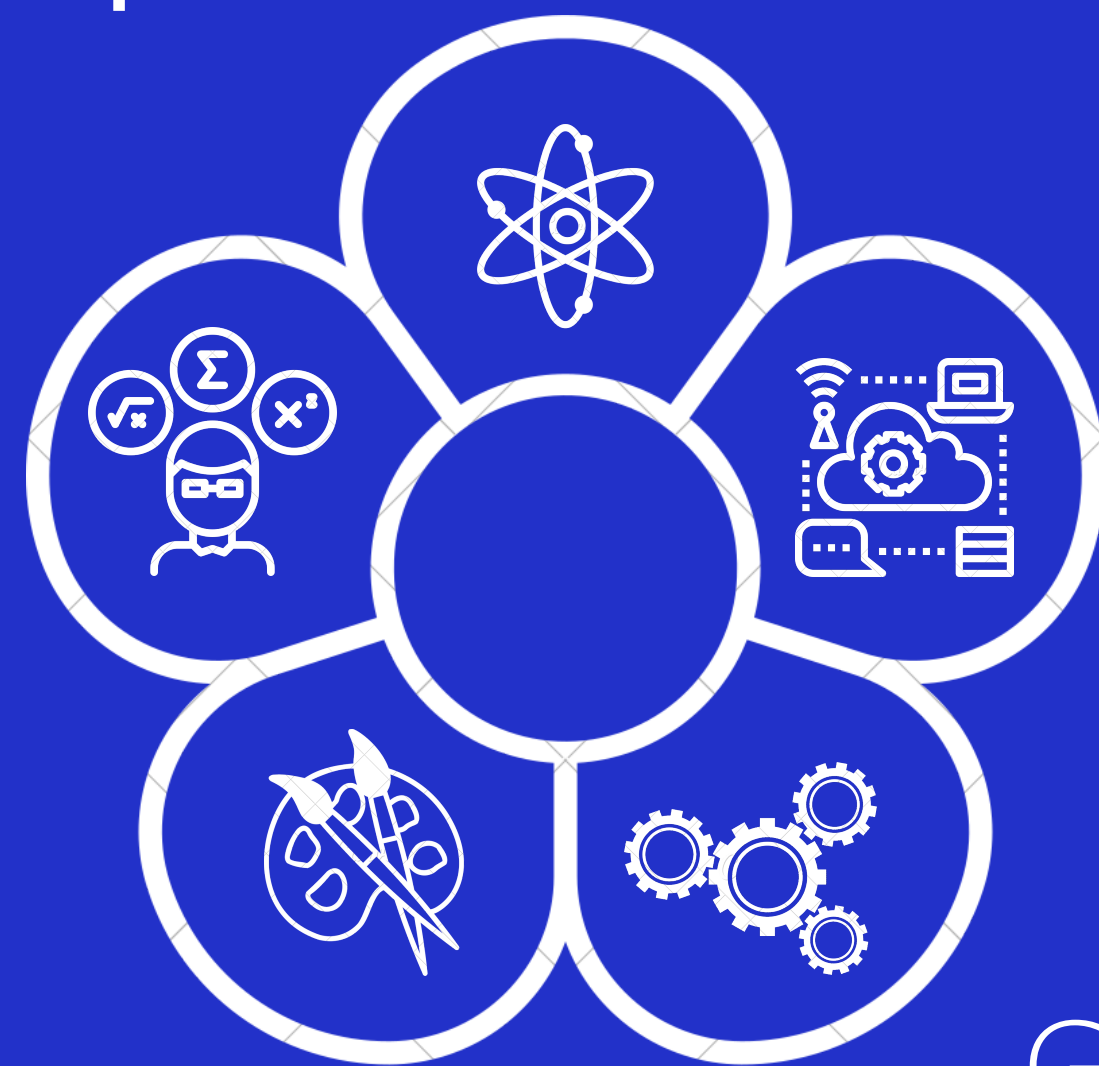
Mathematics

If a goose can fly 5 kilometres in 1 hour. How many hours will it take to fly 20 kilometres?

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Math hint: how many 5's do you need to get to 20?



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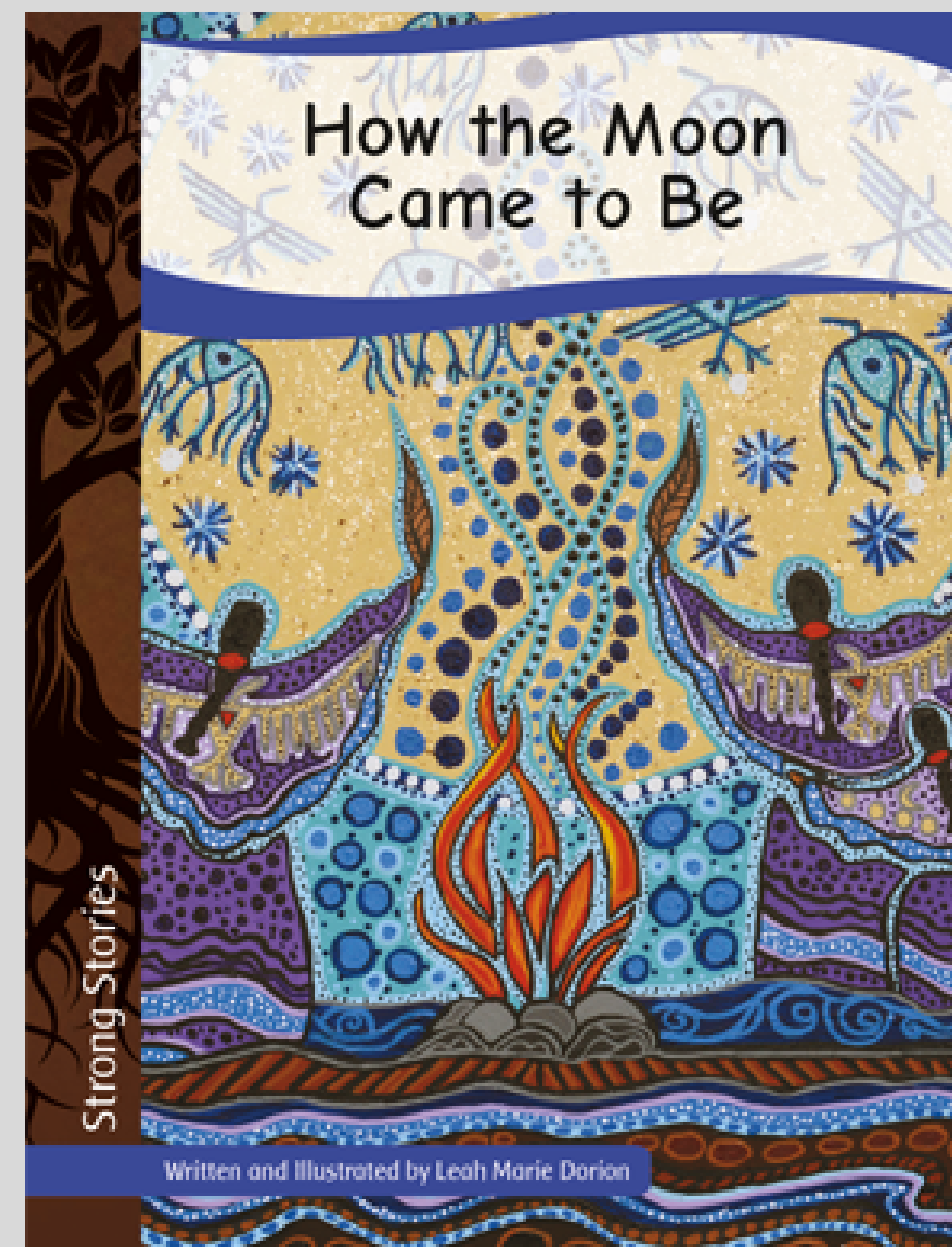
Materials needed:

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

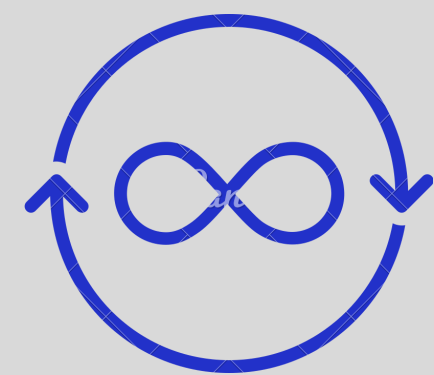


How the Moon Came to Be by Leah Dorion

Access the video in the RLI RECC room!

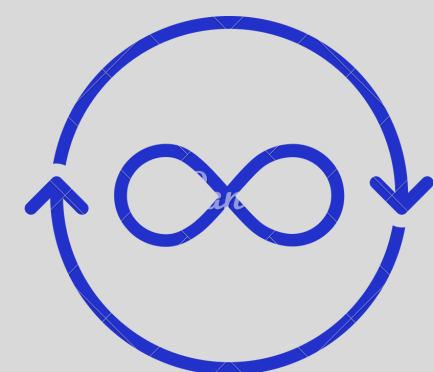


4-6 STEAM Card



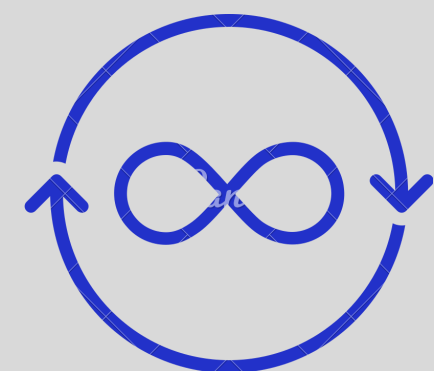
Science

Draw the moon that you see every night this week.
Then decide if it is growing or shrinking.



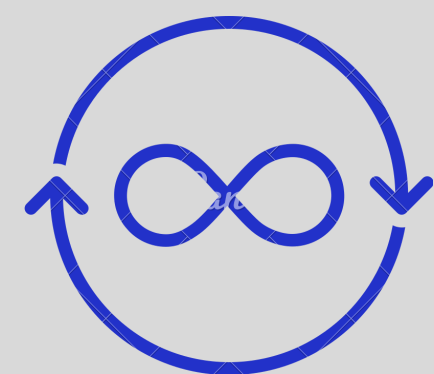
Technology

Search online what constellations you can see at
night. Then, try to find them.



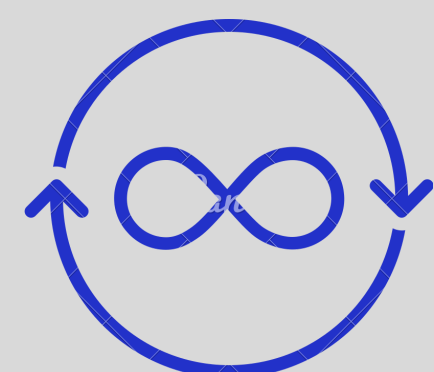
Engineering

What materials could you hang your moon from
other than string?



Art

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



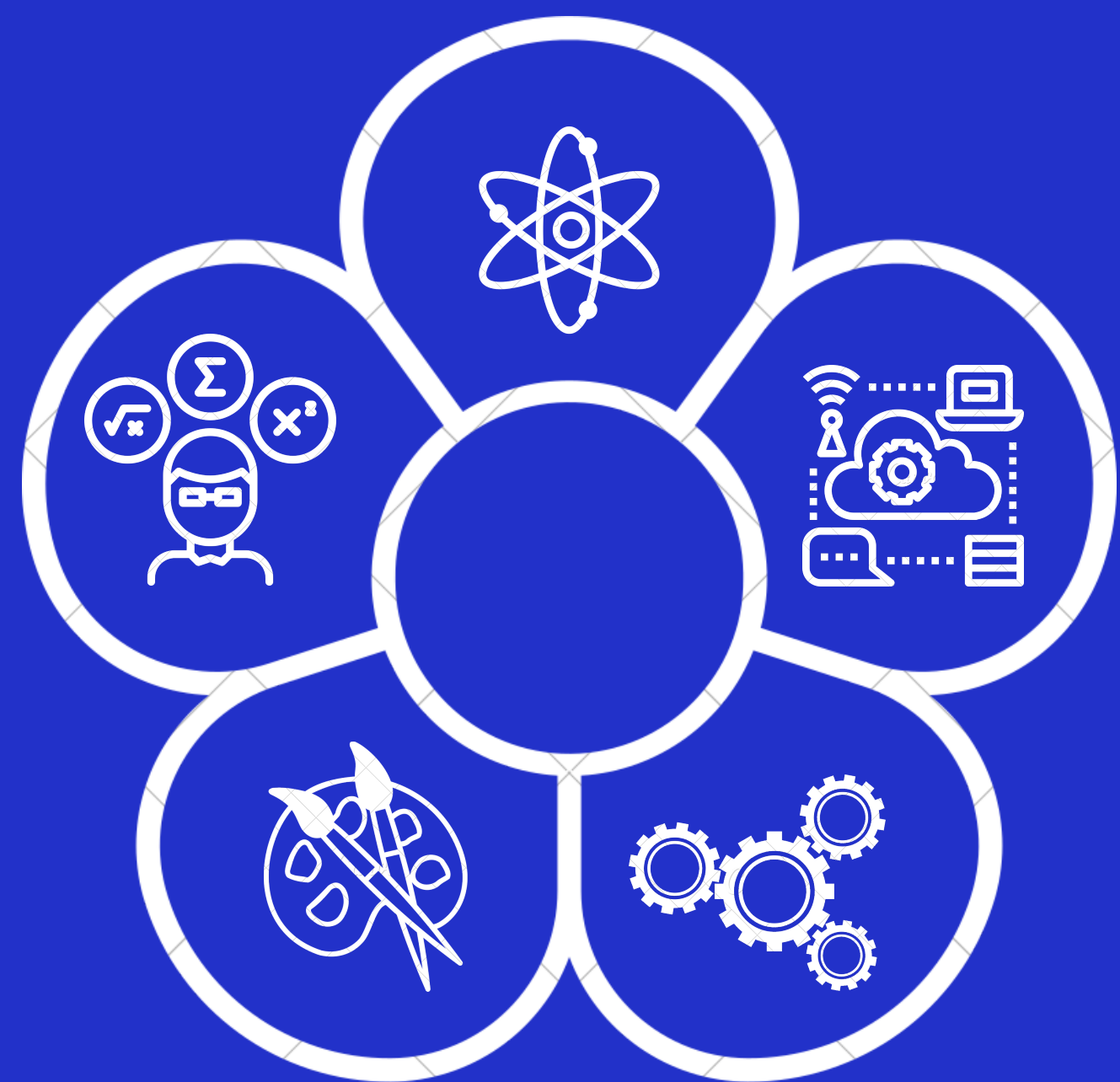
Mathematics

If Mars' moon travels around the planet 3 times a day. How
many times will it go around the planet this month?

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Math hint:

First, find how many days this month has.
Second, multiply that number by three.



Grades 4-6

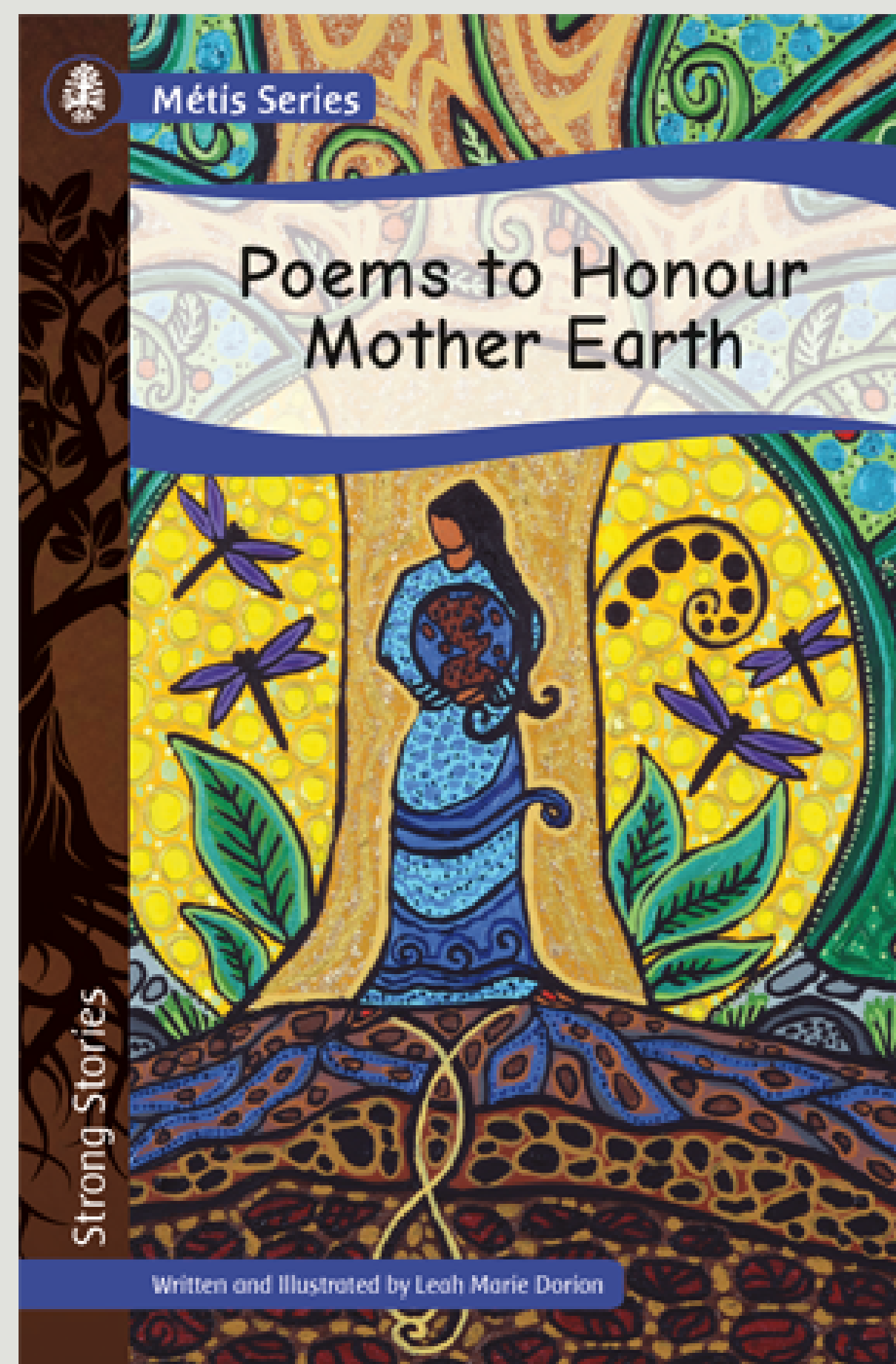
Materials needed:

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

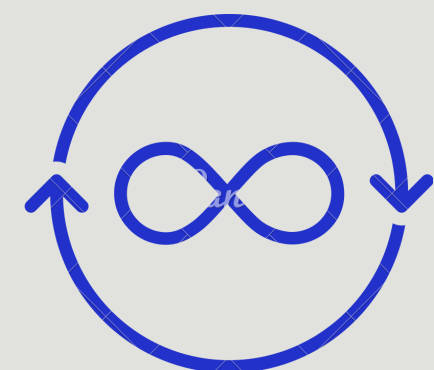


Poems to Honour Mother Earth by Leah Dorion

Access the video in the RLI RECC room!

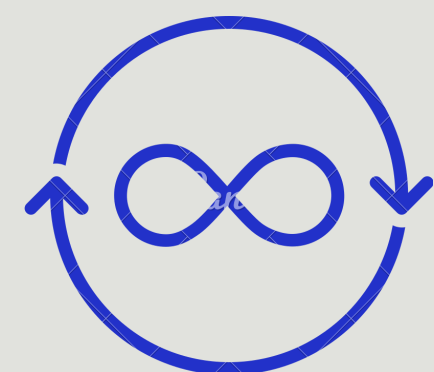


4-6 STEAM Card



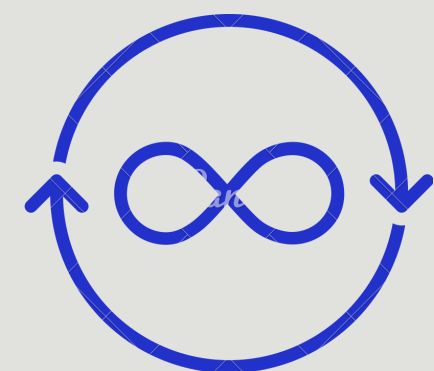
Science

Make a food web of the animals and plants at your local river.



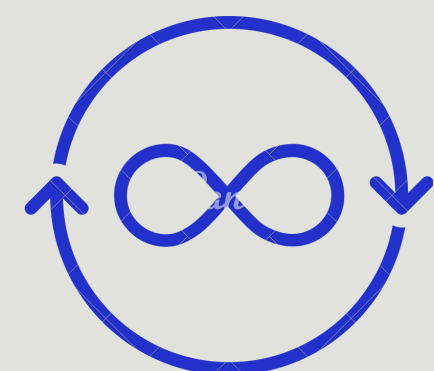
Technology

Use an online Carbon Footprint Calculator. Then, think of how you can better care for the Earth.



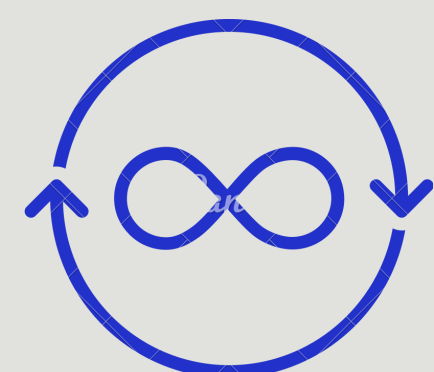
Engineering

Build your own clay water representation.



Art

Create a poem with the help of Leah Dorion.

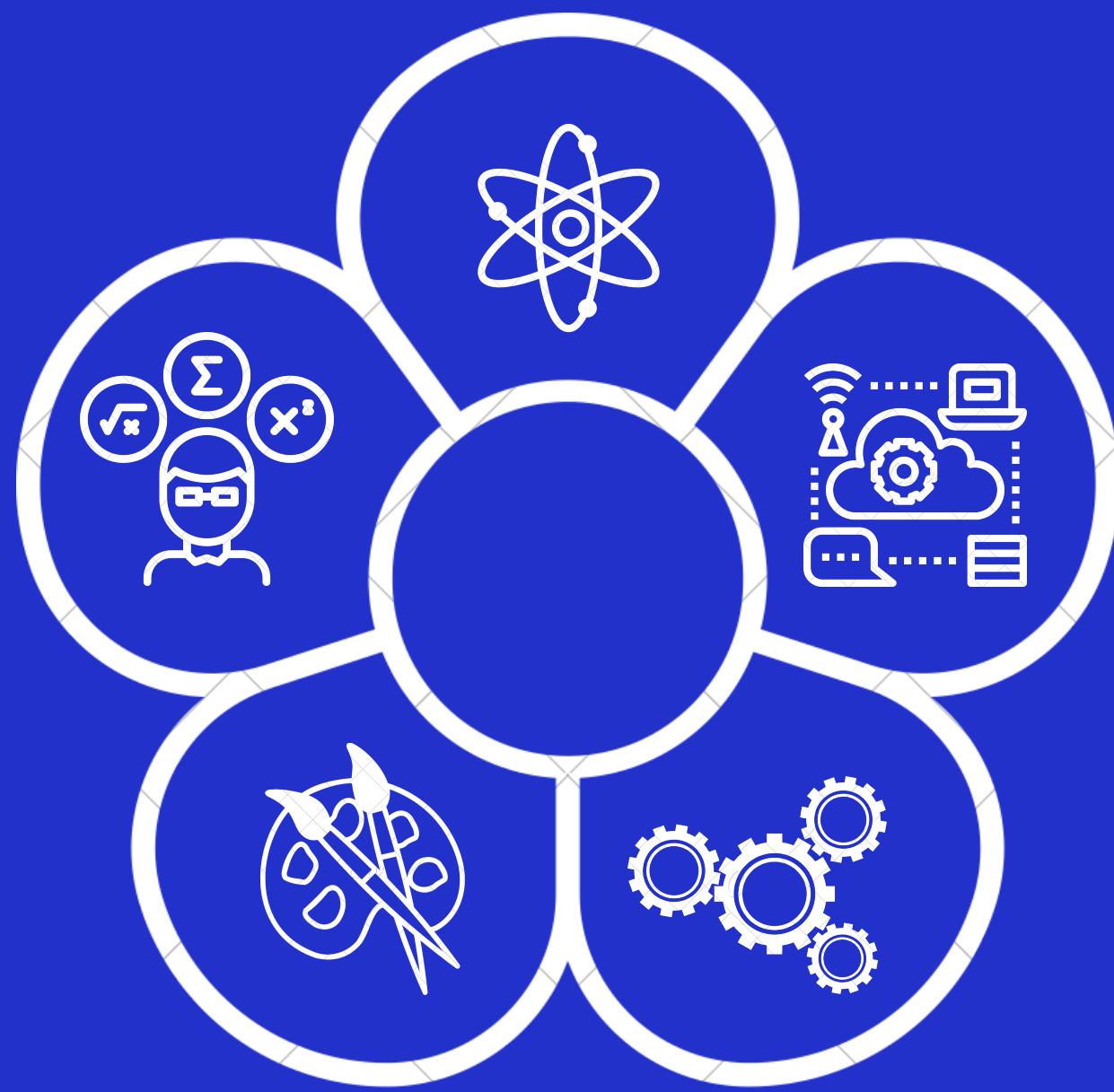


Mathematics

If everyone needs 2 buckets of a water in a week, how many buckets does a family of 4 need for the coming week?

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Tech Hint: Think of how we measure and capture temperature, wind and other elements of the earth.



Grades 4-6

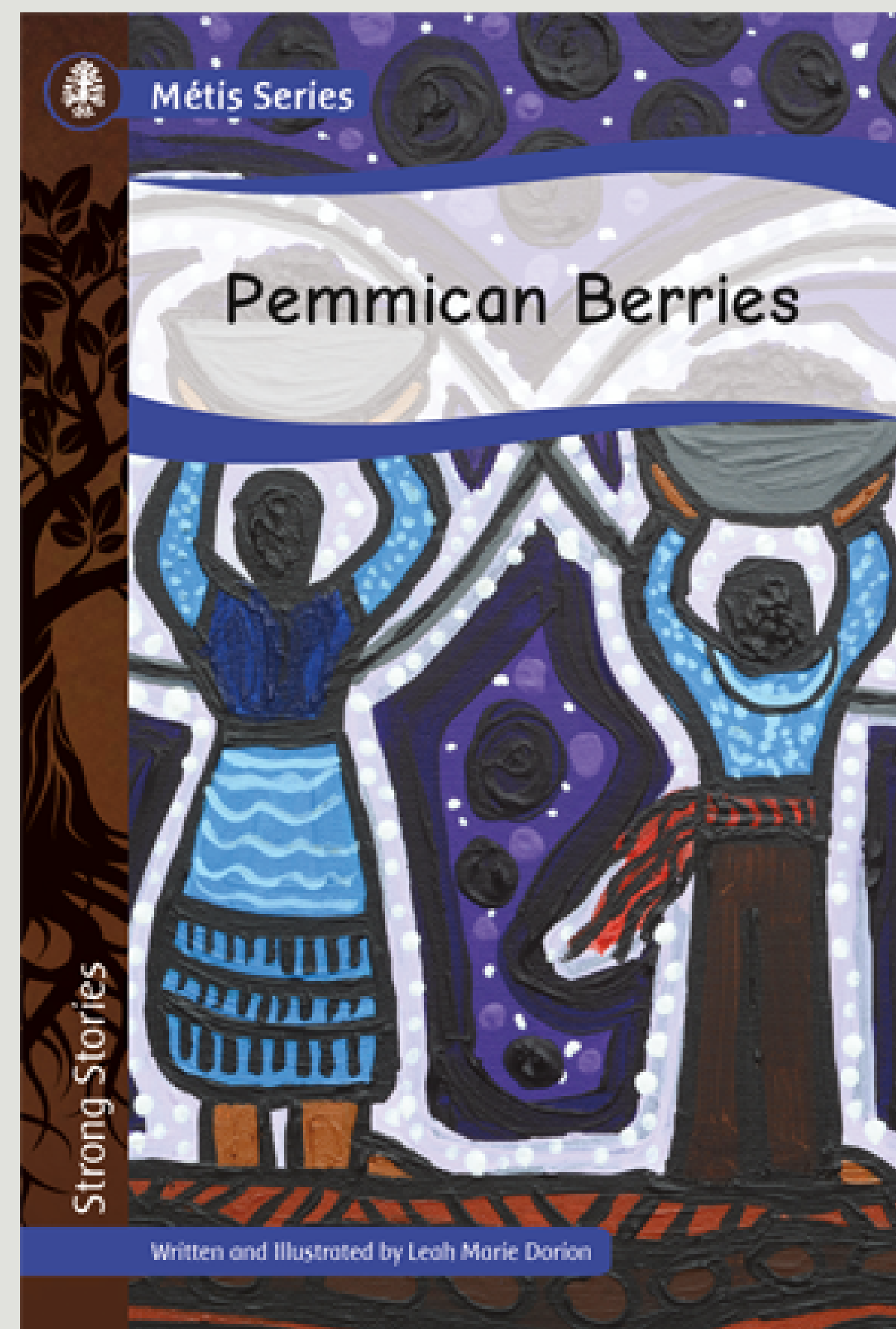
Materials needed:

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

Pemmican Berries

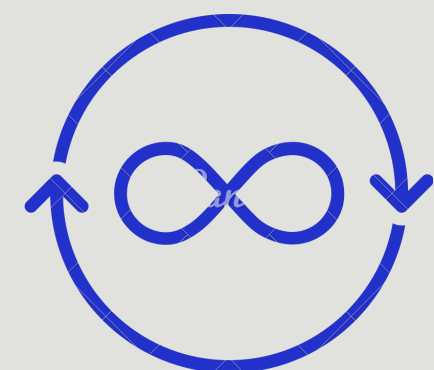
by Leah Dorion

Access the video in the RLI RECC room!



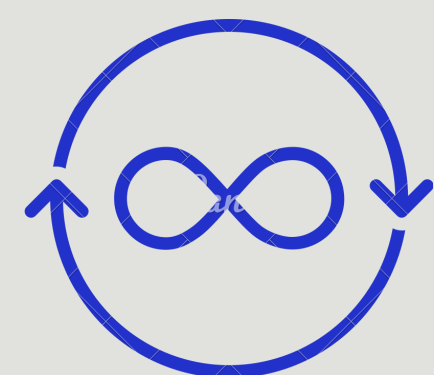
4-6 STEAM Card





Science

Learn about the ecosystem of the buffalo. Its prey, predators and its place in the food chain.



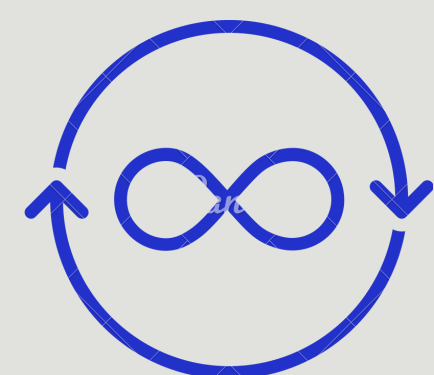
Technology

Use a device to look up berries that naturally grow in the region of Alberta that you live in.



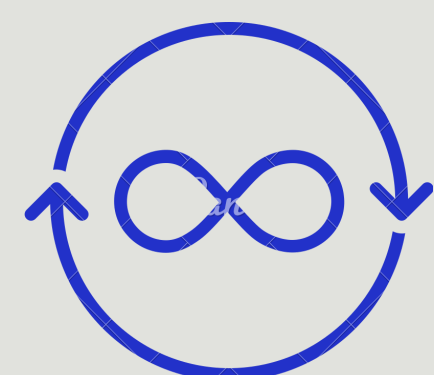
Engineering

Crush berries you have either in your fridge or that you have collected to make a painting base.



Art

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

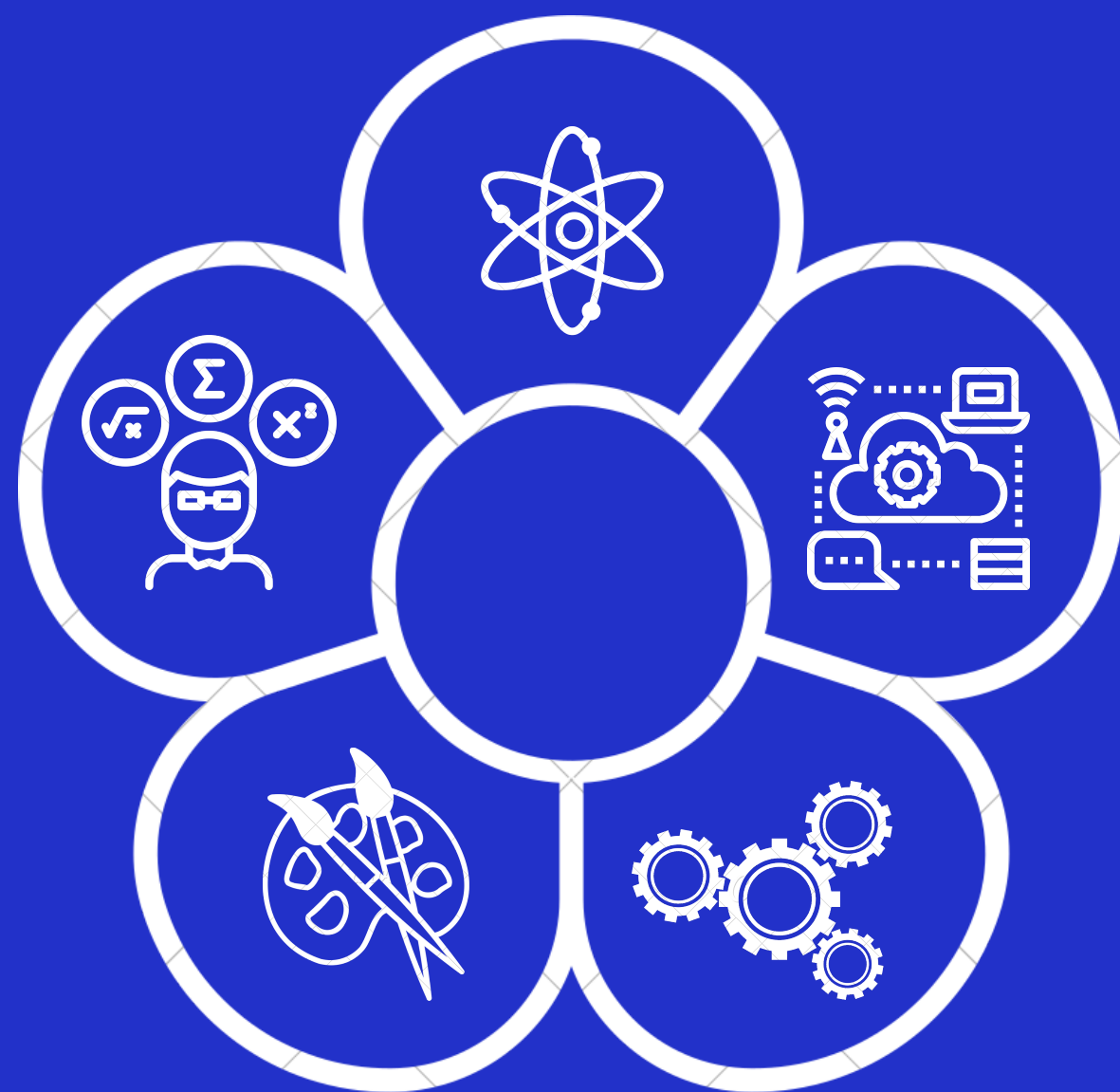


Mathematics

If Harry needs to eat 2 pieces of pemmican a day, how long will his 10 pieces last him?

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Math hint: how many 2's do you need to get to 10?



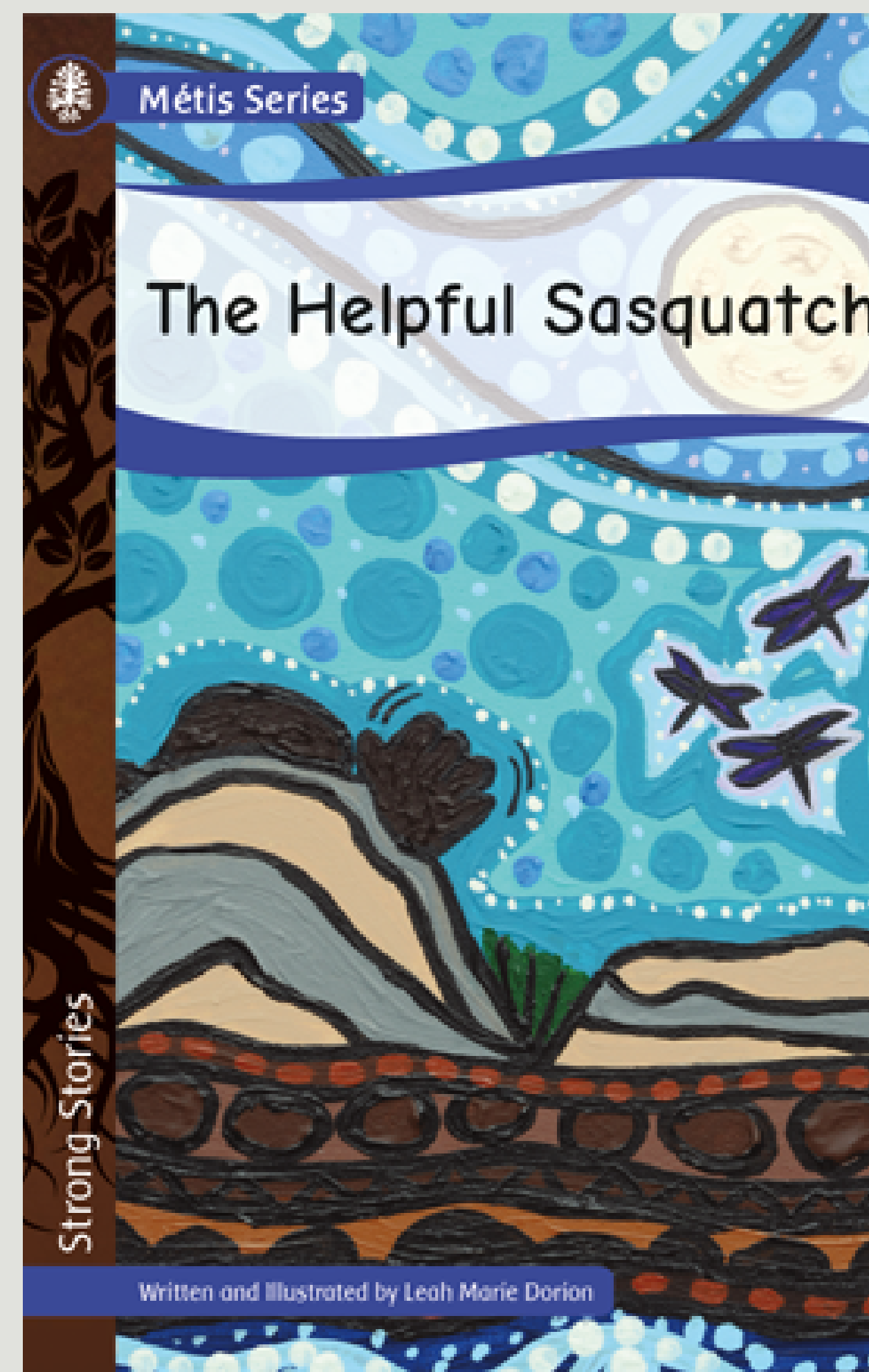
Grades 4-6

The Helpful Sasquatch by Leah Dorion

Access the video in the RLI RECC room!

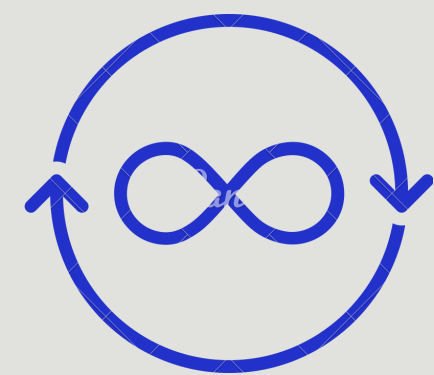
Materials needed:

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



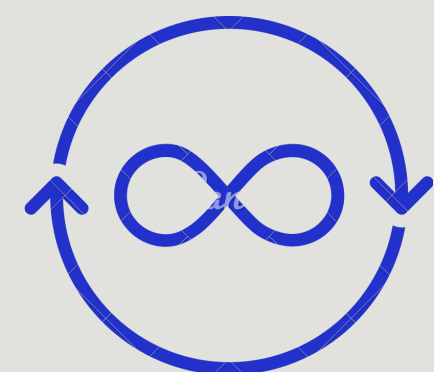
4-6 STEAM Card





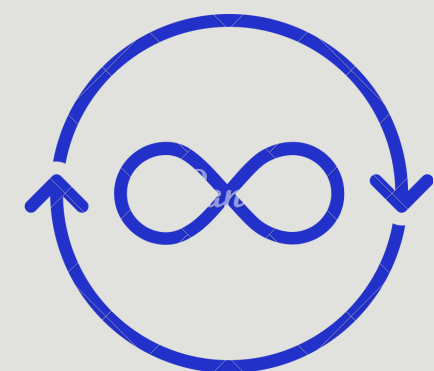
Science

Research what animals live in the forests of Alberta.



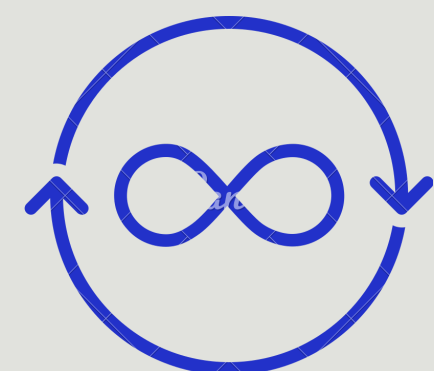
Technology

If you were to survive in the forest, what piece of technology would you bring to help you survive?



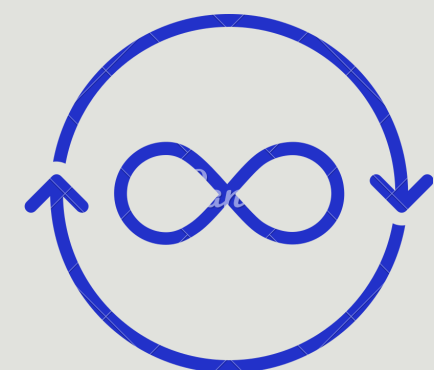
Engineering

Assemble your Sasquatch mask with natural materials.



Art

Write or draw a story about a Sasquatch travelling across Alberta.

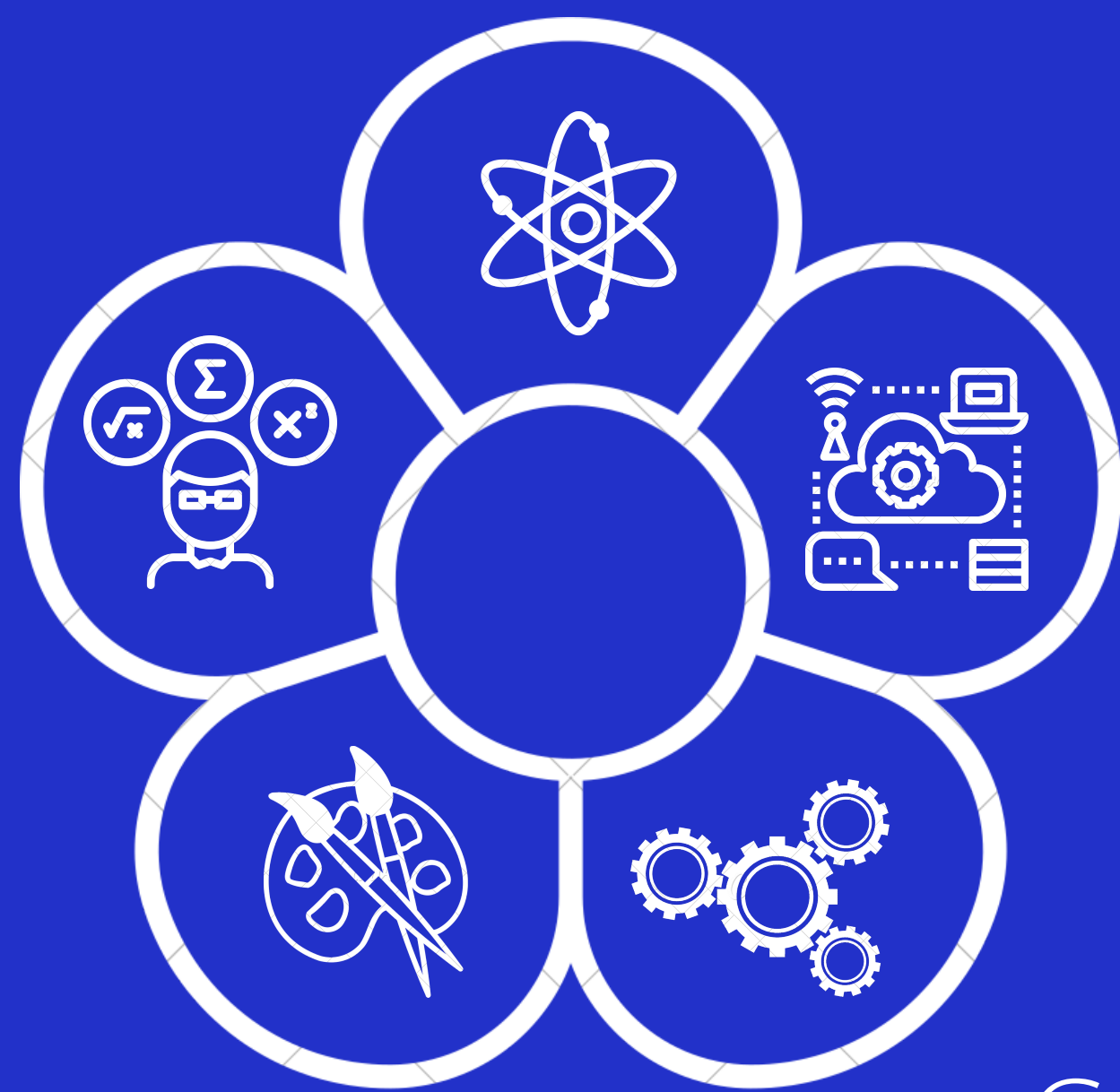


Mathematics

One Sasquatch can lift 200 kg. A Métis Folk Home weighs 800 kg. How many Sasquatches are needed to lift a Folk Home?

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Tech Hint: Think of your basic needs and what tool helps to meet a majority of them.



Grades 4-6

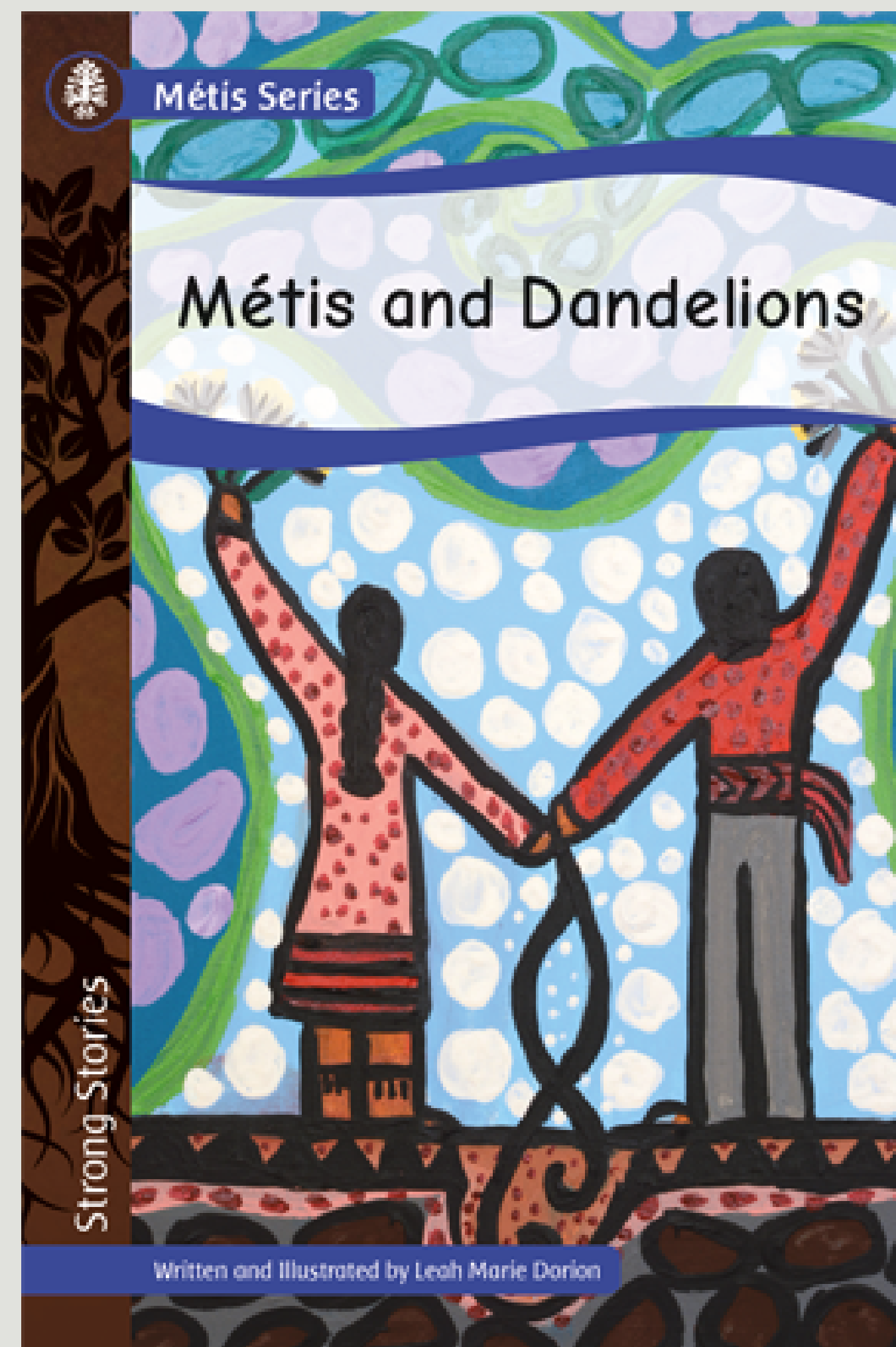
Materials needed:

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

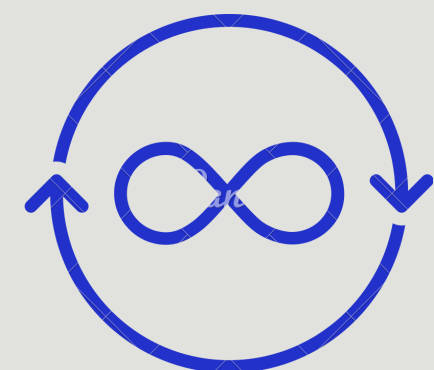


Métis and Dandelions by Leah Dorion

Access the video in the RLI RECC room!

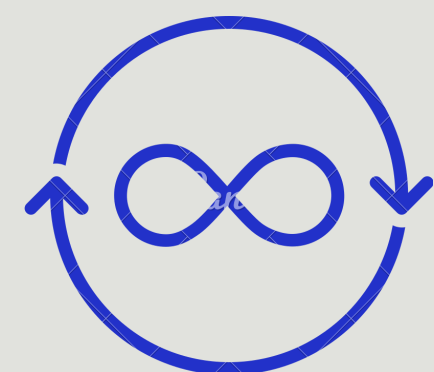


4-6 STEAM Card



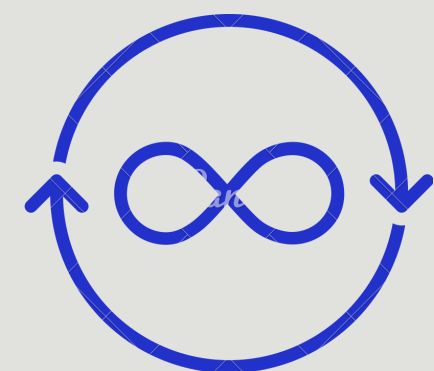
Science

Write a hypothesis about why dandelions are so effective at spreading.



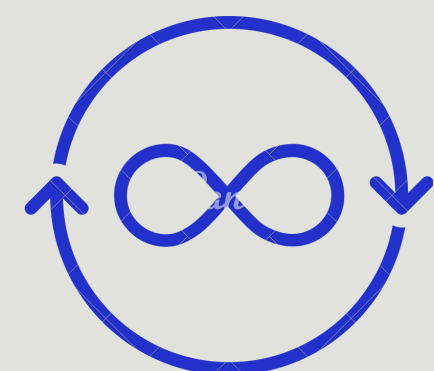
Technology

Use a device to learn about the many uses that dandelions have.



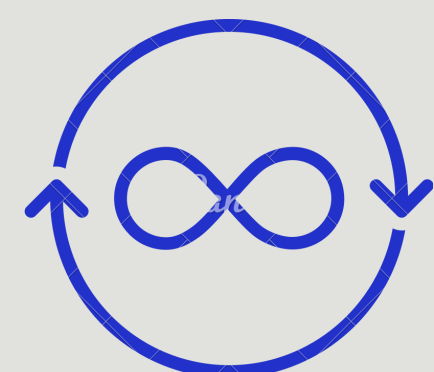
Engineering

Dandelions have strong roots that keep them in the ground. Design other features that would help keep a plant grounded.



Art

Paint your own idea of what a dandelion looks like.



Mathematics

Dandelion A has its seeds become flowers $\frac{1}{4}$ times.
Dandelion B has its seeds become flowers $\frac{2}{5}$ times.
Which dandelion will grow more flowers?

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Math Hint: Draw 4 seeds for dandelion A and draw 5 seeds for dandelion B. Circle the seeds that will become flowers.