Hello!

In the next few days your student will be working to complete some STEM challenges at home. Below you will find five different challenges for your student to pick from. Please allow them to pick FOUR to complete. Be sure to record your experience (using pictures & words) and post it on Flip Grid. The link to access our class Flip Grid is https://flipgrid.com/5d5fa381 . You can also scan the QR code with the camera app on your iPhone! This link will allow you access to our class Flip Grid, scroll down to the big green button at the bottom of the page. Click on it, it will prompt you to enter your first and last name. There is no need to enter an email address. Hit the "Lets go" button and a screen will pop up that allows you to record a video. In this video you will show us your challenge and tell us how it went. Once that is complete you will take a Selfie and click submit. Finally, you can add your name and submit your video!

This video is a walk-through step by step that shows you how to use Flip Grid! As always, if you have any question please don't hesitate to reach out! I can not wait to see all your AWESOME creations!

Recording #3.mp4

- Mrs. MacDonald & Ms. Oudt

The Challenge: What can you build with recycled cardboard boxes?

Build a structure, toy, invention, etc. using recycled cardboard boxes as your main building material. You can use other materials to adhere & bind boxes together, or to decorate your final project, but it should be mostly constructed using boxes.

When your cardboard creation is complete, please take a few minutes to record your project in the class scrapbook to share and celebrate your work with other families!

Materials: You'll need to gather these materials at home!

*Cardboard boxes (hint: ask at local stores for bigger or different boxes!)
*glue, tape, staples, etc
*markers, coloured paper, fabric, etc. to decorate your final product (optional)

Considerations: Some things to consider before starting...

*be sure boxes are clean before using them

*other cardboard products (such as cardboard rolls or box dividers) could also be used

*be careful cutting! Thick cardboard can be tricky to cut...be sure an adult helps!

A Few Final Thoughts: Just a few more things before you get started...

*projects can be as large or as small as you'd like

*check out Google or Pinterest for project ideas...the only limit is your imagination!

*have fun working together to decide on a project and complete your cardboard creation together...*what* you create isn't as important as *how* you create it...as a family, having fun together!

What skills are you building?

Problem Solving ✔

Science & Engineering ✔

Perseverance ✔

Recycling ✔

Earth Day
Take Home Challenge

DESIGN AND CREATE A WORK OF ART!

Use recyclable materials and any other items you have to create a work of art.

Name:

Due Date:

"creativity takes courage" - henri matisse

*recycle
*reuse
*reduce
MAKE ART!

Materials used

Draw it

SAVE THE PLANET

The Challenge: Enjoy a family picnic!

Plan, prepare, and enjoy a family picnic. Enjoy your picnic outside (e.g. in the backyard, at a park, etc) or inside (e.g. in the family room, under a tent, etc).

For added fun, create invitations or plan some games to play, as well!

Materials: You'll need to gather these materials at home!

*preferred food & drink ingredients

*picnic blanket

Considerations: Some things to consider before starting...

*be sure to practice safe food handling...use ice packs and thermoses if needed to keep cold foods cold & hot foods hots

*even young children can help to prepare foods with assistance and supervision

A Few Final Thoughts: Just a few more things before you get started...

*if desired, add your favourite music to your picnic

*outdoor picnics in the winter can be fun, too...just be sure to dress for the weather and plan accordingly!

*during inclement weather, indoor picnics can be a fun alternative

What skills are you building?

Social Skills ✔

Cooking ✔

Planning & Organization ✔

Co-operation ✔

The Challenge: How far can you fly a paper airplane?

Try folding & flying different kinds of airplanes. How far do they go? Which one goes the farthest? Can you adjust your plane to make it go farther?

Try using different materials to change your plane. How do the changes affect the way it flies?

Materials: You'll need to gather these materials at home!

*paper (you may wish to use a few different kinds!)

*markers, stickers, etc. to decorate your plane (optional)

Considerations:
Some things to consider before starting...

*you'll need to decide a few things together: Which paper will you use? Where and how will you fly your plane?

*be sure to fly your plane in a safe area (try flying it in different areas; does it make a difference to how your plane performs?)

A Few Final Thoughts:
Just a few more things before you get started...

*planes can be as simple or fancy as you like...there are many samples and instructions in books & on the Internet if you wish to research

*try adding a small weight (such as a coin) to your plane; does it make a difference? If you change the location of the weight, how does it change the plane's flight?

*try having a paper airplane contest... whose plane flies the farthest?

What skills are you building?

Creativity ✔

Science & Engineering ✔

Perseverance ✔

Recycling ✔

The Challenge: How often and/or how long can you get out to enjoy the great outdoors?

No matter the season, experience, enjoy, and appreciate nature by getting outside to have fun. Check out national/provincial parks, conservation areas, biking/hiking trails, or city parks...Go hiking, biking, geocaching, bird watching, paddling, etc.

Can you spot any wildlife? What plants can you identify? Do you see anything unusual or unique? Does anything make you want to learn more?

Materials: You'll need to gather these materials at home!

*Don't forget lots of water & snacks!
*wear comfy clothes & shoes
*sunscreen
*first aid supplies (just in case!)
*bug repellant (optional)
*camera (optional)

Considerations: Some things to consider before starting...

*be sure to follow basic safety rules...bring a cell phone, and tell someone where you are going and when you'll return

*choose an activity that suits your family's abilities and needs

A Few Final Thoughts: Just a few more things before you get started...

*a quick Internet search will find many free and/or cheap ways to get outdoors locally

*be sure to dress appropriately for the weather!

What skills are you building?

Respect for the Earth	Physical Activity	Natural Sciences	Sensory
✔	✔	✔	✔