



Learning Opportunities for Grade 4 and 5

Week of May 18th

School Vision: *Motivating, Compassionate, Successful*

School Mission: *Making a difference....Committed to learning....Supporting each other*

Do the best you can! Focus on life skills, physical activity, mental well-being, creative expression, social responsibility and social connections. Stay healthy and safe!

Try to work on the learning opportunities for 1 hour each day.

*From the Desks of Mrs. MacFarlane, Ms. Green,
Ms. McLean*



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Hi 4M, 4/5M and 5G,
I hope everyone is healthy and safe at home. Thank you for working hard from home! I miss you all! It is certainly nice to see the weather changing and brightening up! My favourite Spring hobby at home is flower gardening. These are Gerber daisies in my picture. My porch and flower beds will be home to many of these beauties throughout the Spring and Summer. What is your favorite Spring hobby?

I am missing everyone so VERY much! I have been doing lots of baking and have mastered making both brown and white bread. I am so proud of myself and Shawn, Cameron, and Caitlyn are enjoying eating it! I have been busy doing my own schoolwork as well as helping Cameron and Caitlyn with theirs while Shawn is still working. We are staying busy, and I hope you all are staying busy as well.

Miss you all! Take care ☺

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It seems like it has been forever since I have seen all your smiling faces and I sure miss you all! Spring is here although I think the snow mixes us up some. I would rather be gardening than shoveling snow. I appreciate the hard work you have been doing at home and I hope that you are using this time to follow your passions, develop new hobbies, and learn new skills. Some days are more fun than others and sometimes I just love to snuggle up with my baby Maizy! What have you been doing to pass the time?

Math

Part 1: Math Facts and Mental Math

Continue to practice your facts **each** day (at least 10-15 minutes). Focus on **multiplication and division**, but also review **addition and subtraction**.

Online Fact Practice:

<https://www.multiplication.com/games>

https://www.mathplayground.com/ASB_PenguinJumpMultiplication.html

Online programs (continue to use these programs, they are a fun way to practice and we love to see everyone's progress)

<https://www.splashlearn.com/>

<https://ca.ixl.com>

Coding is a great activity for students.

<https://code.org/> If your child is interesting in coding, this is a great website. You can sign up or they can create without signing up. It is a user-friendly website. Have fun!

Have you been using your **mental math**? Use some of your strategies to try and solve the following problems (remember you have your mental math strategies in your math binder)

- Sam planted 7 different plants in his garden. If each plant produces 20 vegetables, how many vegetables did Sam have in all?
- If there are 35 seeds in each packet, how many seeds would there be in 6 packets?

Math Mini Project: Building a Garden

This is the perfect time to plan and build a garden. Use the following guidelines to design your garden. (you can draw it out on grid paper if you have some at home).

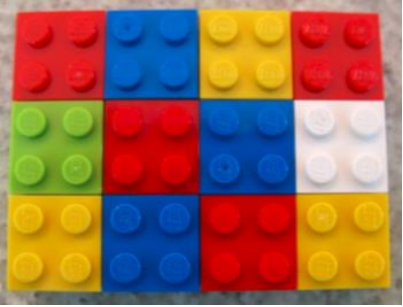

- Must be a rectangle
- Must plant at least 5 different things and no more than 10 things
- Must have more vegetables than flowers
- 1/5 must be corn or beans
- 3/10 must be carrots or lettuce



Make sure you label all parts of your garden. What could your garden measurements be? If you were going to put a fence around your garden, how much fencing would you need? What would the total area of your garden be? What about the areas of each of your different garden sections? Make a scale drawing of your garden.

Part 2: Math Choice Board

Choose 3-4 **different** activities to complete this week.

<p>Mental Math</p> <p>The answer is 250. What might the question have been? List different questions that have an answer of 250. Can you think of questions for each operation? +, -, x, ÷</p>	<p>Insect Symmetry</p> <p>Take a walk outside. Investigate and observe closely any symmetry you may notice with insects such as beetles, spiders, ants, moths and butterflies. Is there symmetry in their body, legs, wings or color design? Draw and describe what you have noticed. Perhaps you may want to design your own symmetrical insect. Art Idea – Symmetrical Insects</p>	<p>Ice Cream Graph</p> <p>Interview family and friends to find out their favourite flavour of ice cream. Create a bar graph or pictograph to show the results. Sample graphs.</p>
<p>Let's Get Cooking!</p> <p>Measure ingredients for a recipe. Notice the units of measure. If you used fractions in your recipe, what would be the size of the "whole"? Want a challenge? Try doubling the recipe.</p>	<p>What Do You Notice?</p> <p>Write at least 3 different things that you notice about the Lego.</p>  <p>Other images to try!</p>	<p>Fun with Numbers!</p> <p>Make the largest and smallest numbers possible using the digits 9, 6, 1, 8 and 2. Find their sum and difference</p> 
<p>Number Riddle</p> <p>I am a 3-digit even number. The sum of my three digits is 20. I am greater than 40×10. I am less than $1000 \div 2$. What number am I? Create another number riddle for someone to solve.</p>	<p>Telling Time</p> <p>Practice reading time on a digital and analogue clock. Challenge yourself to read the time different ways: 6:45 p.m. 15 minutes to 7 quarter to 7 What would this time be on a 24-hour clock? Follow the link to practice matching times and clocks. https://www.helpfulgames.com/subjects/mathematics/match-clocks.html</p>	<p>Play a Game</p> <p>Enjoy playing a favorite card or board game at home: Checkers, Chess, Yahtzee, Battleship, Sudoku, Crazy Eights, Crib. You may want to complete a jigsaw puzzle or play I Spy by describing an objects' attributes and geometrical form – cube, prism, cylinder, sphere.</p>

Literacy

- Link to read on Epic is <https://www.getepic.com/students>

4/5M & 5G - Class Code: izu1951

4M - Class Code: wny9102

Tumble Books is like our Epic subscription that we are currently using, your child may want to check this out to see if they can find some new books to read on this free site.

<https://www.princeedwardisland.ca/en/service/access-tumblebooks-e-book-collections>

Literacy Websites: These are free sites. They can be a fun way for students to work on their many different literacy skills. Enjoy!

<https://toytheater.com/category/language-arts/>

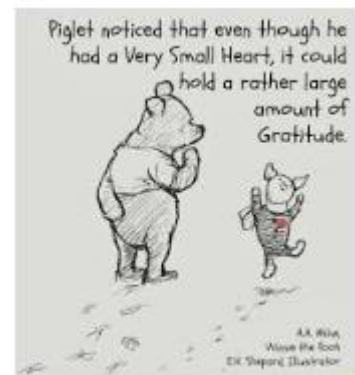
http://www.sheppardsoftware.com/web_games_vocab.htm

<https://www.abcya.com/>

Anyone interested in CURSIVE WRITING worksheets? Here you go!

<https://m.k5learning.com/cursive-writing-worksheets>

Students can continue to write in their memoir of this historical event journal or their gratitude journals. (Both of these were started in past weeks. Details can be found on the past learning opportunities or contact your teacher for further details).



One great way to cover many different parts of literacy, as well as math and science, is cooking. Below is a simple recipe for Chocolate Chip Cookies, but any recipe your child wants to use will work for this activity. Your child will need to read the directions, aloud with you if possible, making sure they understand completely what to do. Then they can make the recipe, following the directions step by step. The plan below will help you support your child as they turn this experience into a writing piece as well.

Best Chocolate Chip Cookies Recipe

Ingredients

- 1 cup butter, softened
- 1 cup white sugar
- 1 cup packed brown sugar
- 2 eggs
- 2 teaspoons vanilla extract
- 1 teaspoon baking soda
- 2 teaspoons hot water
- ½ teaspoon salt
- 3 cups all-purpose flour
- 2 cups semisweet chocolate chips
- 1 cup chopped walnuts



Directions:

Step 1

Preheat oven to 350 degrees F (175 degrees C).

Step 2

Cream together the butter, white sugar, and brown sugar until smooth.


Beat in the eggs one at a time, then stir in the vanilla. Dissolve baking soda in hot water. Add to batter along with salt. Stir in flour, chocolate chips, and nuts. Drop by large spoonfuls onto ungreased pans.

Step 3

Bake for about 10 minutes in the preheated oven, or until edges are nicely browned.

Name: _____

My Recipe For:







<p><small>Ingredients I Need:</small></p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<p><small>Utensils/Dishes/Pans I Need:</small></p>  <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
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Directions:

© <http://www.worldofhandprint.com> Design: <http://www.thefairyprint.com>

Literacy Choice Board

Choose 3-4 **different** activities to complete this week.

 <p>Make your own board game. Include written directions. Play with a family member.</p>	<p>Turn off all the lights. Grab a book and a flashlight and enjoy!</p> 	<p>If you could be the character in one of the books you have read recently, who would you be and why?</p>
<p>Take your favorite book outside and enjoy reading it in the sun. *You might even want to read some aloud to a family member or have them share some of the reading with you.</p> 	<p>Acrostic Name Poem- Write your first and last name vertically on a paper. Use each letter in your name to begin a sentence about yourself.</p>	 <p>Record yourself teaching someone and/or write the steps out for how to do something. For example make a peanut butter & jelly sandwich, braid your hair, paint a picture, etc.</p>
<p>Write a thank you letter to a first responder, soldier, or member of the community. Thank them for all they do. If possible, mail the letter.</p> 	<p>How valuable are your words? If vowels are worth \$20 and consonants are worth \$10, what is the value of your first name? What about your whole name? Can you make a word worth exactly \$100? How about \$200?</p> 	<p>Read and think about a character in your book or from a show you have watched. What is this character like? How are you similar to this character? How are you different from them?</p> <p>Write a list of similarities and differences.</p>

Writing Contest: This would be a great connection project for your family as it is tied to the writing and journaling that has been happening within our Learning Opportunities.

Contest Guidelines from The New Brunswick Museum

Students and parents are invited to join in a contest sponsored by **The New Brunswick Museum** for a chance to win a prize and to be a part of history in the making. You can take this opportunity to record this historic event for future generations. Tell your stories about the activities, events and thoughts you're experiencing during this pandemic. You can include drawings and pictures as well.

Imagine having your descendants read your personal, firsthand accounts of the current experiences! These will be held in the New Brunswick Museum Archives for researchers in the future.

The New Brunswick Museum is Canada's oldest continuing museum and the NBM Archival holdings include primary documents and historical photographs reflecting all areas of our province. While the emphasis is on the 19th century, a portion of the collections date back to the 16th century and also include some of the oldest French documents in the province.

Did you know that a great many historical documents are written in cursive writing? If you want to record yours in this manner, but don't know how, here are some links to get you started: <https://www.k5learning.com/cursive-writing-worksheets> | <https://www.fiche-maternelle.com/cursives.html>

Submit your entry (500 words or less) to NBM Archives, 277 Douglas Ave. Saint John, NB E2K 1E5 or Archives@nbm-mnb.ca by July 1, 2020.

The draw will take place on July 15, 2020.

Prize includes a one-year NBM family membership and assortment of beautiful New Brunswick made products from the Boutique – total value of \$100.

All participants who submit an entry will receive a one-time free admission to the NBM Exhibition Centre.

Be sure to include your name and contact information so we can get in touch with you!

Science:

Part 1: Ongoing Scientific Observation Activity (Week 6)



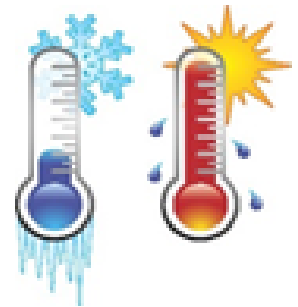
Procedure review: Go out to your outdoor observation spot. Take your pencil and paper! **You will need a ruler again this week.** Spend your 10-20 minutes quietly observing, drawing, and recording all the living and non-living things within your designated spot. Are you being very specific with your descriptions and drawings? Please check that you have included the date, time, and weather conditions for this period of observation. Take a few minutes to edit your writing for spelling and neatness and label and color any diagrams or drawings.

Measurement task: Re-measure the 2 plants you chose to measure last week. Remember to make height predictions first and use centimeters on your ruler. Record this week’s new heights beside your sketches on your weekly paper. Compare the results of this week and last. How many centimeters did each plant grow? Make predictions for next week’s growth.

Part 2: Outdoor Temperatures

Record and compare the temperature outside in the early morning and later in the afternoon for the entire week.

Make your temperature prediction prior to checking each day.












- *How many degrees does it change from the morning until the afternoon?
- *What do you think the temperature will be tomorrow?
- *What do you notice?

Daily Temp.	Monday	Tuesday	Wednesday	Thursday	Friday
Morning					
Afternoon					




Part 3: Science Choice Board

Choose 3 **different** activities to complete with your family this week. After you have finished your three choices take a few minutes to reflect. Which activity did you enjoy the most? Why? Did this activity leave you with any new questions that you can explore further?

 <p>Find separate things outside that are each color in the rainbow.</p>	 <p>Read the news and look for science related articles.</p>	 <p>Make constellations on your wall from poking holes in a paper cup and shining a flashlight through it.</p>
 <p>Watch an episode of How It's Made.</p>	 <p>Use a magnifying glass to search the ground for insects.</p>	 <p>Find 20 rocks and sort them by color, size, weight, and shape.</p>
 <p>Invent your own musical instrument using household recyclables.</p>	 <p>Put celery or flowers in water with food coloring and observe what takes place.</p>	 <p>Observe the moon each night, draw a sketch and record the date.</p>

Grades 3-5 Technology - Week of May 18-22

Hello future Builders, Scientists and Engineers! In this week’s building challenge, you will be designing and constructing a catapult using your favourite materials. Please use responsibly and safely. Always ask a parent/guardian before you start a project and make sure it is okay to use materials for the projectile. Use only soft, round and light projectile items. There are many different catapult designs, I have included some tips below, feel free to add materials that are not listed and make it your own. Pick your favourite building method and have fun!

<p>1. Craft Sticks or twigs</p>	<p>2. Lego (2 options)</p>
<p>Materials: 9 popsicle/craft sticks or twigs 5 rubber bands or hair elastics 1 plastic spoon 1 small ball/pom-pom or crumpled up paper</p>  <p>Instructions:</p> <ol style="list-style-type: none"> 1. Make a stack of 7 sticks and use 1 elastic on each end to wrap them together. 2. Make another stack with 2 sticks and use 1 elastic band at one end only. 3. Pull the 2 sticks apart and wedge the stack of 7 sticks in between them. 4. Place a plastic spoon on top and using an elastic at each end, secure tightly. 5. Place a ball on the spoon. 6. Hold the catapult with one hand and use the other hand to push down on the tip of the spoon. 7. Release the spoon and see how far your ball can travel! 	<p>Simple design:</p> <ol style="list-style-type: none"> 1. Start building the catapult arm using a long, thin Lego brick or build one using multiple bricks. 2. Build a square-like basket at the end of the arm, to hold a ball or a Lego person. 3. Add a set of wheels to the catapult arm. 4. Place a small ball or Lego person in the basket and press down on the arm with force and then release! You will need to experiment a little to find the best position for the wheels, so that your ball will get the most power and distance.  <p>Complex design (with rubber band):</p>  <ol style="list-style-type: none"> 1. Start by using a wide baseplate. 2. Use an arc Lego brick above the catapult arm in order to keep the arm in place. 3. Make a basket/seat to hold your ball or person. 4. Add a rubber band on the catapult arm, to give it an extra springy boost.
<p>Try This Next</p>	
<p>Place plastic cups in front of the catapult and see how many times you can get the ball in a cup. Or stack cups to build a tower and try to knock it. Experiment with distance, accuracy and launching angle.</p>	<p>Build a Lego wall or castle and see how high you can launch your projectile items. Experiment with distance, accuracy and launching angle.</p>
<p>Additional Links for Learning</p>	
<p>Read about the history of catapults here: https://www.britannica.com/technology/catapult-military-weaponry</p> <p>More on building your own catapult and view historical images: https://www.engineergirl.org/131176/Try-This-Mini-catapult https://www.cbc.ca/kidscbc2/the-feed/storming-the-castle</p> <p>Learn about Mechanical Engineering: https://www.engineergirl.org/6076/Mechanical-Engineer</p>	

Have a great week building! If parents would like to email a picture or screenshot of the finished product, I will add it to the collage I will put on the MCS Facebook page. Questions or comments, don't hesitate to contact me via email. Thanks, Erin LeCain Erin.LeCain@nbed.nb.ca

Physical Education At Home Learning May 18th – 22nd


MCS families,

I trust everyone had a great May long weekend and took advantage to go outside and participate in a variety of activities. I took the opportunity last week to challenge myself to solve a Rubik's cube. It was frustrating at times, but I was resilient and continue to increase my speed of solving at least one side. With the warmer weather, our family had the opportunity to go biking and exploring. I hope everyone is using this time to develop and strengthen a variety of physical activity skills. Please send me pictures or videos of your physical activities that you are participating in. I do miss seeing MCS students active and learning.

Stay healthy and safe!

Mr. Nathan King

Nathan.King@nbed.nb.ca

Warm Up 1 Dance to your favorite song	Warm Up 2 Choose your 6 favorite stretches to complete	Warm Up 3 Dice Fitness (See last May 11)	Warm Up 4 Card Shark Fitness (See May 4)	Warm Up 5 Balance: Choose 6 different point-balances to hold for 15 seconds
Share Question 1 What's going well with your home learning plan? What's not going so well with your home learning?	 <p align="center"><u>Physical Education and Wellness</u> <u>Choice Board</u></p> <p align="center">Visit this choice board daily</p> <ul style="list-style-type: none"> ● Choose <u>one warm up</u> from the top row. ● Choose <u>one activity</u> from the bottom row. ● Choose <u>one chore or question</u> from the side rows. <p align="center">Discuss chosen question with a family member.</p>			Chore 1 Neatly organize your closet and do your laundry
Share Question 2 If you were going to school tomorrow, what Phys.Ed activity would you like to play? Why?				Chore 2 Vacuum your house
Share Question 3 How are you maintaining healthy habits?				Chore 3 Wash and dry the dishes
Activity 1 Practice control, passing and dribbling skills in the sport of your choice.	Activity 2 Go out for a walk or jog. Try to discover a safe new trail or route that you might enjoy.	Activity 3 Inside Volleyball: Using a balloon or inflated plastic bag practice striking it in the air with 2 hands	Activity 4 Target Tossing: Use rolled up socks to knock over targets (TP rolls, empty plastic recyclables)	Activity 5 Mindfulness: Create a 5 song playlist. Listen to the playlist as you relax in your thoughts with your eyes closed

Positive Thought

You are
so special,
there's only one
of you in the
whole entire
universe!



Brain Teaser/Puzzle

Guess the title of the CHILDREN'S BOOKS by using the EMOJIS!

9. 🐷🐷🐷🐷
10. 👧🍵👑🐰❤️♠️☕🕒🐛🐰
11. 👦🎴🎆
12. 🦋🐰😬
13. 👧🎄🏠🛏️🐻
14. 🦋🌳🍎🍏👦👦👦
15. 👧🍷🌴🍅🍷

 **Good** 
Manners 
Matter! 

*Say "hi" or "hello" when
you see people you know.*

To Make You **Smile!** 

