Friendly - Accountable - Leaders - Cooperative - Organized - Nurturing - Successful

Learning Opportunities for Grade 8 May 18ᵗʰ – 22ⁿᵈ, 2020

Do your best to work on these learning opportunities for 2 hours each day. Focus on life skills, physical activity, mental well-being, and social connections as well. Stay healthy, stay safe!

EVERY DAY:
30 minutes of reading
30 minutes of physical activity (See the Physical Activity Calendar for ideas!)

ELA/FILA

ELA Choice Board: choose a different activity from the board to complete each day this week 😊

THE LABELLER	SINGER SONGWRITER	ASTRONOMY
Find a picture around the house, in a magazine or newspaper, or on the internet. Label all the words you know in English. Ask people in your house for the words you don't know. Think of other ways you can you find names for words you don't know.	Learn the words to popular song. Practice pronouncing the words as you sing the song.	Go to Astronomy Picture of the day: https://apod.nasa.gov/apod/astropix.html Describe what you see in the photo.
GAMER	**GRAPHING SURVEY RESULTS**	**LISTENING DETECTIVE**
Teach a family member a simple game (e.g., crazy eights, rock paper scissors, etc). Your challenge is to give the directions in English	Survey your family on favorite sports, TV shows, songs, foods or a topic of your choice. Example: What are your 3 favorite sports? Draw a graph to show your results.	Watch TV or listen to the radio for 30 minutes. List one word for each letter of the alphabet. Try your best to spell them.
JOURNAL	**DIRECTOR IN YOUR OWN MOVIE**	**THE INTERVIEW**
Start a journal describing what you do each day. Try to give as many details as possible! You can use the following sentence frames to help you: · I saw... · I went... · I heard... · I smelled...	Use the following vocabulary to create a short video…. dancing crazy funny like sister hat loud totally cool shake friend awesome Hint: It might be helpful to write out your lines first.	Interview a family member. You may want to use the following questions: · What is your name? · How old are you? · What is your favourite food/activity? · What is something that makes you happy? Write a summary of your interview.

Link for Astronomy picture of the day
https://apod.nasa.gov/apod

FILA : Choisir trois (ou plus) activités à compléter cette semaine

Littératie/Sciences humaines	Math/Science	Bien-être
Nouvelles! Trouve un article qui t'intéresse ici. Lis-le à voix haute ou écoute le texte. Discute avec un ami ou écris tes réflexions dans un journal.	**Cuisiner!** Choisis une recette simple à suivre (voir la liste ici). Lis les étapes, et assure-toi de bien comprendre. Le succès sera évident dans le produit final!	**Promenade!** Prends une marche avec un membre de ta famille. Observe ce que tu vois dans la nature, et en discute avec ta famille.
Fais le journaliste! Choisis un(e) amie(e) ou un membre de ta famille à interviewer. Dresse une liste de questions à leur poser, et fais le journaliste! Ceci peut se faire par téléphone, face-à-face, ou à l'aide de technologie. Écris un résumé de l'interview, et partage-la avec ta famille.	**La guerre de math!** Trouve des cartes à jouer et un partenaire. Divise la pile en deux également. Chaque joueur retourne deux cartes en même temps et fait la multiplication. Celui avec le plus grand produit gagne les cartes. Continue jusqu'à ce qu'une personne aie toutes les cartes.	**Jouer!** Sors dehors et joue à un sport ou à une activité physique avec des membres de ta famille. Fais bouger le corps et amuse-toi! N'oublie pas de faire jouer de la musique en même temps!
Dessine! Crée une brochure où tu y dessineras 5 symboles associés avec ton pays, soit le Canada. Assure-toi d'écrire le mot qui représente chacun de tes symboles.	**Fais une expérience!** Choisis une expérience scientifique parmi les 10 qui te sont suggérées ici. Fais ensuite une petite recherche pour déterminer l'explication scientifique de ton phénomène. Résume-le dans tes propres mots.	**Réflexion!** Assis-toi confortablement et ferme les yeux. Pense à quelque chose de positive dans ta vie courante, et prends 10 minutes pour célébrer ce qui est de bien. N'oublie pas de respirer!

Liens:

Nouvelles!
https://www.infos-jeunes.com/

Cuisiner !
https://gourmand.viepratique.fr/types-de-plat/plats-types-de-plat/cuisine-debutants-ecettes-plats-faciles-2515.html#item=1

Fais une experience!
https://gourmand.viepratique.fr/types-de-plat/plats-types-de-plat/cuisine-debutants-recettes-plats-faciles-52515.html#item

Math

Mental Math Activities
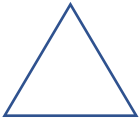
Do two of these questions a day! Remember- in your head, not with a calculator. Explain your strategy and show your work as if you are trying to explain what you are thinking in your head.

Give the double and half strategy a try!

Example: 4 x 16 becomes 8 x 8 = 64 (half of 16 is 8 and double 4 is 8)

1) 16 x 50 =	3) 250 x 12 =	5) 24 x 5 =	7) 4 x 45 =	9) 15x 8 =
2) 44 x 5 =	4) 18 x 40 =	6) 50 x 24 =	8) 35 x 3 =	10) 14 x 50 =

Math Choice Board: Complete a different activity each day this week, or try them all 😊

Math Choice Board		

License to Solve
 	
Write down the numbers you see on two (2) license plates. Create four (4) math problems with these numbers. Ask a family member to solve them.
 	
New Brunswick CANADA 01/2017
JLR 566
	WODB
	
	➢ Which number does not belong AND why?
	➢ What other number does not belong AND why?
	➢ Repeat as many times as you can.
		Finding the Best Deal
		
		Determine the better deal in each case.
		1. 8 pencils for $2.80
		    OR
		    5 pencils for $1.70
		
		2. A dozen apples for $7.20
		    OR
		    3 apples for $1.75

Fraction & Decimal Challenge Using digits from 0 to 9 (at most one time each,) fill in the boxes so that the fraction equals the decimal. Find as many different solutions as you can. $$\frac{\square\square}{\square\square} = \square.\square\square$$ www.openmiddle.com	**Shopping Spree** Which store would you rather buy from? Why? Share your reasoning with someone at home. Store A Store B 30% off $30 off	**Perimeter & Area** What is the largest possible area (in cm²) for a rectangle with a perimeter of 120 cm? Sketch a triangle (include the dimensions) that would have the same area.
Commercial Time ➢ Estimate how many minutes of commercial time there is in a half-hour TV show. ➢ Watch a show for 30 minutes and record the commercial time. ➢ How much commercial time would you expect in a 1hour show? A 2-hour show? ➢ Sketch a picture/model that shows your findings (i.e. a Circle graph.)	**Percent Challenge** Using digits from 0 to 9 as many times as you want, fill in the boxes to create a correct number sentence. $\square\square$ is 50% of $\square\square$ and 75% of $\square\square$ www.openmiddle.com	**Old Man Wrinkle** Old Man Wrinkle spent one-fourth of his life as a boy, one-eighth as a youth, and one-half as an active man. If Old Man Wrinkle spent 9 years as an old man, then how many years did he spend as: a) A boy? b) A youth? c) An active man?

Grade 8 - Supplementary Math Activity

Cylinder Comparison

➢ Optional Review Videos:
Circumference: https://www.khanacademy.org/math/basic-geo/basic-geo-area-and-perimeter/area-circumference-circle/v/circles-radius-diameter-and-circumference
Volume of a cylinder: https://www.khanacademy.org/math/basic-geo/basic-geo-volume-sa/volume-cones/v/cylinder-volume-and-surface-area

Materials: a variety of cylindrical objects, ruler, calculator
➢ Choose a cylindrical object and estimate which is greater: circumference or height.
➢ Measure the diameter of the object. Use the diameter to calculate the circumference of the cylinder. Record the circumference in the table below.
➢ Measure the height of the cylinder and record your measurement in the table below.
➢ Repeat the above steps for at lest 5 different cylindrical objects. Each time record your measurements in the table below.

Cylindrical Object	Circumference	Height
A		
B		
C		
D		
E		

Science

The Future is Wild Project

Over the last month you have been making observations in your Nature Journal, and documenting the changes that you see as the weather begins to warm. From this we have an understanding that the environment is never stagnant, it is always changing and EVOLVING.

This week:

1. Continue your daily observations in your Nature Journal.
2. Watch The Future is Wild: Welcome to the Future https://www.youtube.com/watch?v=w0kzMmcTS8I&t=276s
3. Hypothesize how one of your observed spots will change in 50 million years.
4. Design and Draw a futuristic animal that is well adapted to the changes you hypothesized in step 3.
5. Build your futuristic animal out of simple materials like playdough (see recipe below), recycled materials, etc.
6. Take a photo of your animal and share it.
7. Optional: Create your own stop motion movie. Use iMovie (free) or other apps.

Playdough Recipe

To make your own Playdough you will need:
- 2 cups flour
- ¾ cup salt
- 4 tsp cream of tarter
- 2 cups lukewarm water
- 2 Tbsp vegetable oil (coconut oil works too)
- Optional - food colouring

Stir together the flour, salt, and cream of tartar in a large pot. Add the water and oil. If you are only making one colour, add in the colour now. Cook over medium heat, stirring constantly. Continue stirring until the dough has thickened and begin to form into a ball. Remove from heat and place inside a Ziplock bag or onto wax paper. Allow to cool slightly and then kneed until smooth. If you are adding more than one colour, divide the dough (into the number of colours that you want) then add about 5 drops of color. Knead the colour into the dough, continue adding food colouring until you get the desired colour.

HINT: use gloves when you are kneading the dough to avoid staining your hands 😊

Brain teaser activity - find the pentagon that has no exact twin!
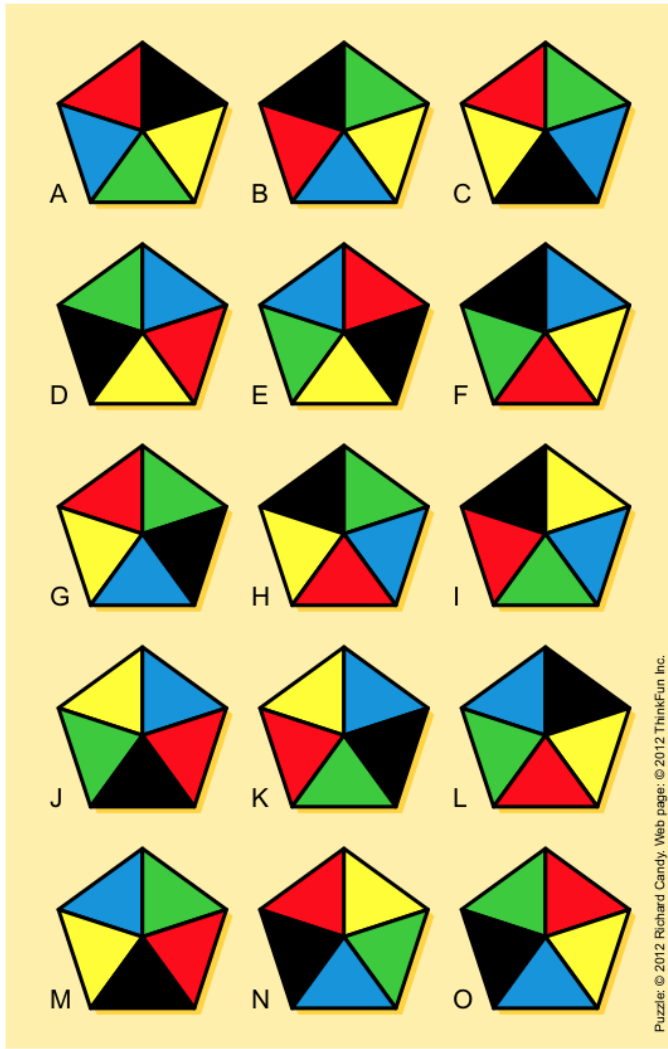
Find the pentagon which has no partner (has no its exact twin).

Science 8 – Reflection on "See Without Being Seen" Challenge

Reflection is a very important part of learning, as it allows us to learn more about ourselves and how we learn. For those who tried this challenge last week, please use the questions below to help reflect on what you did. You can write your responses or just think about them. The goal is to get into the habit of thinking about what you do to help with decision making for the future.

1. Reflect on the success of your creation. How did you use optics around your home to complete the task? If you used mirrors, what angle did you need to set them to see around corners? If your creation was not completely successful, what would you change in to make it work?

2. Think of the different types of security systems that exist, both high and low tech. How are optics used to enable people to "see without being seen?"

3. Think of a location, whether a home or business (indoor or outdoor), that you believe could be at risk for a break-in or theft. Based on your knowledge of how optics work, what would you recommend be done to make these places more secure?

Social Studies

V-E Day

Recent developments have unfortunately forced the cancellation of commemorative events in Canada and Europe this May to mark the 75th anniversary of the Liberation of the Netherlands and Victory in Europe (V-E) Day. This week we are providing an opportunity for you to learn a little bit about these WWII events.

When Germany invaded the Netherlands during the Second World War, it was an act of bullying on a large scale. The Dutch resistance movement was soon organized to fight back and also to try to help the Jewish people who were being persecuted in their country. The Dutch found many ways to resist the German occupation. It was brave, but very dangerous.

One woman in the Netherlands who risked her life to hide Allied airmen shot down over the country was actually a Canadian! Read the story of Mona Parsons.

The suggested activities are found to the side of the story below.

"From Privilege to Prison"

Mona Louise Parsons was born in Middleton, Nova Scotia in 1901. As a young woman, Parsons moved to New York City in 1929 to pursue an acting career and later became a nurse. When she was 36, her brother introduced her to millionaire Dutch businessman Willem Leonhardt. The couple married and settled in the Netherlands in 1937.

In May 1940, Holland was invaded by Germany. The country was plunged into an occupation that would drag on for five years, resulting in the deaths of thousands of its citizens, and bringing the nation to the brink of starvation. Though Mona was a wealthy socialite, she believed it was necessary to find ways to resist the occupation. She and Willem joined a group of like-minded people who vowed to do whatever they could to counter the Nazis' efforts.

Mona Parsons before the war.
Photo: Public domain

Parsons was truly a woman of dignity and courage—qualities that proved invaluable when she and her husband joined a resistance unit. Parsons and her husband began sheltering downed Allied airmen in their estate called "Ingleside" near Laren, after having dismissed their servants so that their rooms could be used to hide these men. A special refuge behind a bedroom closet could also be used in case the home was searched. Upon leaving, fishing boats took the airmen to meet up with British submarines for their escape to England.

Unfortunately, an informer reported them to the Gestapo and Parsons was arrested on September 29, 1941. She was taken to prison and at her trial on December 22, 1941, she was found guilty of treason and given a death sentence. She responded with such dignity that the judge allowed her to appeal her sentence which was then converted to life in prison at hard labour.

While serving her sentence, she met a young Dutch baroness and the two women made plans to escape. In March 1945, the prison was bombed, giving them their opportunity. The women disguised themselves by posing as sisters dressed in woolen clothing. The two walked for three weeks, covering approximately 125 km while exchanging their labour for food and lodging—which was often in a barn. Eventually, Mona Parsons made it to Holland where she told a Dutch farmer that she was Canadian and needed to find some Allied troops. The farmer took her to the North Nova Scotia Highlanders— ironically, a regiment from her home province!

The Canadians were shocked when they saw the thin sick woman approach them for help, claiming that after nearly four years in Nazi prisons and camps, she had walked there from Germany following a desperate and dramatic escape! Badly infected blisters on her bare feet were evidence of her three-week walk, and the soldiers were amazed when she told them she was a Canadian—Mona Parsons from Nova Scotia.

Parsons never wore a military uniform, but she was willing to lay her life on the line for freedom. From a Nova Scotian childhood, a Depression-era nurse, an underground worker in the resistance, a prisoner of the Nazis, and an emaciated fugitive who walked across Germany in the last months of the Second World War, Mona Parsons was a true hero. She became the only Canadian female civilian to be imprisoned by the Nazis, and one of the first—and few—women to be tried by a Nazi military tribunal in Holland. Parsons was honoured for her bravery in helping Allied airmen evade capture and received commendations from the British Air Marshall and the United States President Dwight D. Eisenhower.

After the war, Parsons would eventually become a widow and returned to Nova Scotia. She later married her childhood friend Major-General Harry Foster who had been a Canadian division commander in Italy and Northwest Europe during the war. Parsons passed away in 1976.

Activities to accompany the story:

1. Historica Canada created a powerful vignette about Mona Parsons's brave actions. Watch it here: https://www.historicacanada. ca/content/heritage-minutes/mona-parsons En français: https://www.historicacanada /fr/content/heritage-minutes/mona-parsons

2. You can learn more about the efforts to free the Netherlands from those who personally experienced it – Canadian Veterans who were there. Watch it here: https://www.veterans.gc.ca/eng /remembrance/history/second-world- war/liberation-netherlands/video

Other Activities/Links

Khan Academy https://www.khanacademy.org/ , **also in FRENCH** https://fr.khanacademy.org/

(This is an <u>excellent</u> resource for mathematics, as well as higher level sciences. It includes free expert- created lessons with quizzes that have a 'game' format where you can earn points.)

Interested in science? Check out https://www.nasa.gov/nasa-at-home-for-kids-and-families

Check out the *Florenceville Middle Home and School* **Facebook page** for weekly challenges to get our Falcons interacting! Also, find daily science, technology, engineering and math challenges at the **Brilliant Labs Facebook Page**

FREE book in English and French, both e-book and audiobooks! Go to https://Soraapp.com, type **NB** in the "find my school" field, then select "New Brunswick Department of Education and Childhood Development." Use your school username and password to sign in!

FMS Learning Opportunities for the week of May 18-22, 2020				
Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
✓ Read 30 minutes ✓ Physical Activity ✓ Math Facts ✓ Mental Math ✓ Daily Writing ✓ Nature Journal	✓ Read 30 minutes ✓ Physical Activity ✓ Math Facts ✓ Mental Math ✓ Daily Writing ✓ Nature Journal	✓ Read 30 minutes ✓ Physical Activity ✓ Math Facts ✓ Mental Math ✓ Daily Writing ✓ Nature Journal	✓ Read 30 minutes ✓ Physical Activity ✓ Math Facts ✓ Mental Math ✓ Daily Writing ✓ Nature Journal	✓ Read 30 minutes ✓ Physical Activity ✓ Math Facts ✓ Mental Math ✓ Daily Writing ✓ Nature Journal

Weekly Activities

Grade 6	Grade 7	Grade 8
✓ English – Daily Choice Board ✓ French – Daily Choice Board ✓ Math – Daily Choice Board ✓ Calculating Perimeter & Area ✓ The Future is Wild Project ✓ Brain Teaser ✓ V-E Day Reading & Activities	✓ English – Daily Choice Board ✓ French – Daily Choice Board ✓ Math – Daily Choice Board ✓ Calculating Perimeter & Area ✓ The Future is Wild Project ✓ Brain Teaser ✓ V-E Day Reading & Activities	✓ English – Daily Choice Board ✓ French – Daily Choice Board ✓ Math – Daily Choice Board ✓ Cylinder Comparison ✓ The Future is Wild Project ✓ Brain Teaser ✓ Reflection – See Without Being Seen Challenge ✓ V-E Day Reading & Activities

Other Activities

✓
✓
✓
✓
✓
✓
✓