



Centreville Community School



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Grade 8 HOME LEARNING PLAN

Grade:	8
TEACHERS	Grant Robinson, Iris Hitchcock, Kim Foster and Melissa Richardson
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In accordance with the communication sent from our Minister of Education, Dominic Carty, on April 2, 2020 Home learning opportunities to support literacy, numeracy, science and social studies outcomes will be made available online weekly by Middle School Teachers.

Families are encouraged to:

- Support their children to complete the options below for an average of **two hour per day**.
- Read aloud with their children daily; and
- Consider daily physical activity and free play as an important part of their child's mental health and skill development.

Subjects	Description of Learning Activities
<p>Literacy</p> <p>If you want to "pass in" your weekly writing piece to the group "English Language Arts 8-8F" in Microsoft Groups, under assignments, there are the weekly descriptions. I will provide feedback of what you're doing well and what you need to keep working on.</p>	<p>WRITING - Keeping a daily journal is a great way to get your thoughts down on paper about what you've been doing during the day, you can make up a story about whatever you want to write about or do an informational report about something you're interested in. It can be on paper or on the computer. Middle School students should be able to write at least $\frac{3}{4}$ to 1 page for each journal entry.</p> <p>April 22 was the 50th Anniversary of Earth Day, so for your weekly special Writing piece, do one or both of the following:</p> <ol style="list-style-type: none"> 1. Using the 5 Rs in this image, create a list of ways we can help our Earth. 2. Make your own personal list of rules for having a clean environment.



You can also email your work to me at: iris.hitchcock@nbed.nb.ca

Your Reading Response assignment is in there too, if you want to send it to me.

For everything you write: please remember to use periods/punctuation, capital letters where they are needed and check your spelling of words you're supposed to know. I put a picture of the Writing Traits that are up on my bulletin board for Grades 6 and 7. Grade 8's can use the Grade 7 ones. They're pretty much the same for all Middle School students. **Please make sure you are using the Writing Traits list and check your work over to make sure you're doing the best you can do.**

READING – You should be reading at least 30 minutes each day. This could be any of the following: books, magazines, newspapers (yes, they still make paper ones but you could read online news too), online blogs, articles, e-books (borrow some from the public library). You could read to younger siblings too. Once a week, I would like you to write a response to something you have read. You could tell something about the characters, setting, what is happening in the story, any interesting words you find, your favorite/least favorite part or predict what will happen in the next part of the book. If you are reading non-fiction (informational) material, tell 4 things you learned that you didn't know before or something you already know that wasn't in the article.

Proofreading Practice

Find the capitalization errors (some should be capital letters but aren't and some are capital letters but shouldn't be):

1. Walt disney created the star of a Cartoon called steamboat willie. The name of the star was mickey mouse!
2. horrible hilda hears hairy harry holler.
3. The largest planet in the Solar System is named jupiter.
4. the wright brothers' famous flight at kitty hawk, north carolina, lasted less than Two minutes.
5. One of the most popular books of All Time is harry potter and the sorcerer's stone. The Author's name is j.k. rowling.

Grade 8 Social Studies

If you have any questions about the Social Studies activities, please contact -

Melissa Richardson
melissa.richardson2@nbed.nb.ca

If you would like to submit your completed products for feedback, you can email the doc or pic to

Canada's Titanic: The Empress of Ireland

The last few weeks we've been learning about the Titanic. This week we are going to investigate a Canadian maritime tragedy. Research The Empress of Ireland by



watching the following videos:

↳ https://www.youtube.com/watch?time_continue=2&v=aXSYRjeAb1M&feature=emb_logo

↳ <https://www.youtube.com/watch?v=X0IT2dlnKdU>

↳ https://www.youtube.com/watch?v=jC_5AV16nPw

visiting these sites:

↳ <https://www.cbc.ca/news/canada/montreal/canada-s-titanic-finally-getting-its-due-1.2651799>

↳ <https://www.irishcentral.com/roots/history/empress-of-ireland-sinking>

↳ <https://divingalmanac.com/empress-of-ireland/>

↳ <https://www.canadashistory.ca/explore/transportation/empress-of-ireland-remembered>

↳ <https://www.ctvnews.ca/canada/canada-s-titanic-empress-of-ireland-tragedy-remembered-100-years-later-1.1845036>

and/or reading the information provided below:

the above email address.

Feel free to upload them to Microsoft Groups, under assignments, as well. A Social Studies 8 - 8F group has been activated for those who are interested.

The RMS Empress of Ireland sinking resulted in the deaths of more passengers than the RMS Titanic disaster.

Posted by: Michael L. Grace August 17, 2009

<https://www.civilization.ca/history/the-rms-empress-of-ireland-sinking-resulted-in-the-deaths-of-more-passengers-than-the-rms-titanic-disaster/>

The RMS Empress of Ireland sinking resulted in the deaths of more passengers than the RMS Titanic disaster. Why has the RMS Empress of Ireland tragedy been forgotten? The sinking of the RMS Empress of Ireland hit Canada hard and was the worst maritime disaster in Canadian history. Occurring just two years after the RMS Titanic disaster, and a year before the loss of the RMS Lusitania, it is essentially forgotten.

Why?

The Empress disaster does not have the drama of the Titanic's iceberg collision, nor is it the subject of countless films and books-or excessive hype. It carried ordinary people, unlike the Titanic's millionaires and aristocrats. The Empress was not a leviathan, nor did it ply the popular route from New York to Southampton, England. There were enough lifeboats for all on board and it was not a maiden voyage. Nor did the Empress foundering have the political repercussions of the torpedoing of the Lusitania.

Three months after the Empress sank, the First World War broke out. The tragedy was quickly overtaken by death in Europe on an unfathomable scale. The loss from the Empress paled in companion with the wholesale slaughter wrought by modern warfare. The Empress simply passed into "forgotten" history.

The Empress of Ireland was a monument to Edwardian splendour. The first class accommodations included a library stocked with 650 volumes, a café, a music room, and a smoking room. The dining room featured leather upholstery, handmade woodwork, sculpted ceilings, cut-glass fixtures, and an atrium that went up two levels to the music room.

It took just 14 minutes for the St. Lawrence River to swallow the Canadian Pacific's RMS Empress of Ireland in the pre-dawn of May 29, 1914. The disaster claimed 1,012 lives. More passengers, but less crew, perished in this tragedy than in the infamous Titanic sinking of 1912, and the catastrophe ranks as Canada's worst maritime disaster.



⇒ *Heading down river on May 28, 1914 for its 96th trans-Atlantic crossing and the first of the summer season from Quebec, the Empress carried 1,477 passengers and crew. The ship had cast off at 4:30 p.m. amid waving Union Jacks and shouts of good-bye. The Salvation Army band struck up the hymn "God Be With You Till We Meet Again."*

⇒ *After exchanging the last mail bags at Rimouski and dropping the pilot, the Empress gathered up speed and headed for open water. On May 29 at 1:38 a.m., the lights of another ship were spotted.*

⇒ *At 1:55 a.m., Kendall was shocked to see the Storstad appearing out of the fog and heading straight for the Empress. He quickly ordered full speed ahead, but it was too late, the collier inflicted a mortal wound to the Empress between its two funnels.*

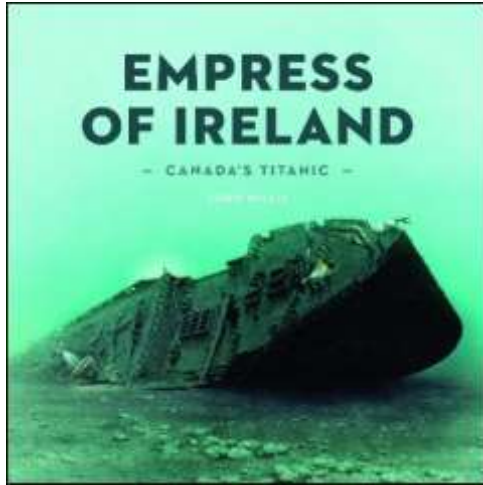
⇒ *The ship was in the grips of forces beyond its control. Only nine lifeboats could be launched before the Empress foundered. As it rolled over, Kendall was thrown from the bridge and eventually hauled into one of the lifeboats. By 2:10 a.m., less than a quarter hour from the time of collision, the Empress was gone.*

What are your observations & reactions?

What conclusions can we draw from the websites and reading passage?

What was the most interesting fact you learned? Why?

Product: Imagine a platform like Twitter had existed at the time of the Empress of Ireland's disaster. Create a series of "tweets" (240 characters max) that describe the events of May 29th, 1914, in stages, as they might have unfolded that night.



Grade 8 Numeracy

If you have any questions about the Numeracy activities, please contact -

Kim Foster
kim.foster@nbed.nb.ca

April 27th to May 1st – Offline Math Choice Boards (Grade 8)

Monday	Tuesday	Wednesday	Thursday	Friday
<p>Some numbers like 1, 4, 9, 16 are called square numbers. Some numbers like 1, 3, 6, 10 are called triangular numbers. Why would these numbers be identified as square or triangular. Can you name other square and triangular numbers? (Hint: you might find drawing or maybe, building these quantities with objects helpful to answer this question.)</p>	<p>Draw and label three different triangles that have one side 2cm long and one side 4cm long. Which triangle has the greatest area?</p>	<p>A number is 5 times larger than another number. If you add 6 to the sum of those numbers it equals 60. What are the 2 numbers?</p>	<p>Will the scales below balance or tilt? How do you know? If they balance, leave them. If not, then add or subtract a number to make them balance.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> $\begin{array}{c} (3 \times 9) + 5 \\ \hline \end{array}$ </div> <div style="text-align: center;"> $\begin{array}{c} 4 \times 8 \\ \hline \end{array}$ </div> </div> <div style="text-align: center; margin: 10px 0;"> \triangle </div> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> $\begin{array}{c} 4 + 5 - 9 \\ \hline \end{array}$ </div> <div style="text-align: center;"> $\begin{array}{c} 6 - 4 - 4 \\ \hline \end{array}$ </div> </div> <div style="text-align: center; margin: 10px 0;"> \triangle </div> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> $\begin{array}{c} 4 + 5 + 3 \\ \hline \end{array}$ </div> <div style="text-align: center;"> $\begin{array}{c} 3 \times 4 \\ \hline \end{array}$ </div> </div> <div style="text-align: center; margin: 10px 0;"> \triangle </div>	<p>Find a small sized box. (about the size of a Kleenex box) Sketch as many different nets* as you can of the same box. Using a ruler, find the length and then the area of each side of your box and label it. What is the total area of your box? (This is called surface area.)</p>
<p>Which One Doesn't Belong?</p>	<p>Which One Doesn't Belong?</p>	<p>Mary is making bracelets and she says the fractions below show the amount of floss she has used each day to make them. How meters of floss have been used?</p> $\frac{1}{4}m + \frac{3}{5}m + \frac{5}{8}m + \frac{2}{3}m$		<p>*Net: A pattern that you can cut and fold to make a 3D shape. This is the net of a number cube:</p>

April 27th to May 1st – Offline Math Games (Grade 8)

Math facts

Daily Practice, 10 minutes

Make cue cards with multiplications from 1 x 1 to 12x 12 on the front of the cards. On the back of the cards, write the answers. Use these to practice multiplication skills! (For a challenge, you can time yourself and see how many you can get right in a certain amount of time and set a goal to see your improvement!)

Probability Dice Game or Integer War Game – See week of April 20th for rules

Play Multiplication or Addition War! – See week of April 14th for rules

April 27th to May 1st – Online Math Choice Boards (Grade 8)

Monday	Tuesday	Wednesday	Thursday	Friday
Game 1 – Equivalent Ratios. Probability	Game 2: Equivalent fractions	Game 3: Adding Fractions Dirt Bike Proportions	Game 4: Area and Perimeter	Game 5: Rotations Transformation Workshop

IXL Online Practice - I have a 30-day free trial and have set all middle school students up with a username and password. If you didn't receive the email from IXL with this information, please let me know and I will forward it to you for your child.

I have tagged the activities, right in IXL, that your child may wish to try. The headings listed below tell sections relate to the learning activities for the week.

Click this link to go to Grade 8 IXL online activities: [IXL Online Practice for Grade 8](#)

Exponents and Roots	Geometric Measurement	One-variable equations	One-variable equations	Transformations and Congruence
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A chance to practice your multiplication skills:
[Mr. Boyd reads: Math Potatoes "Yay Potatoes!"](#)

Some Middle School Web Sites for Math, Tech and/or Science

www.everfi.net

[Sumdog \(I only have passwords for grade 6\)](#)

[Hour of Code](#)

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

Check out the [Code.org](#) resources for students at home
And take a weekly [Code Break](#) every Wednesday with special guests!

Sources for offline and online learning:

A Guide to Effective Instruction, Geometry and Spatial Sense Grades 1-3, Ministry of Education, 2016

A Guide to Effective Instruction, Data Management & Probability, K-3, Ministry of Education, 2007

Open Questions for the Three-Part Math Lesson - Number Sense and Numeration: Gr. 4-8 M. Small

Open Questions for the Three-Part Math Lesson – Measurement/Patterning and Algebra – Grades 4-8 M. Small

Teaching Student-Centered Mathematics Gr. 6-8 John Van de Walle,

Making Math Meaningful Marion Small, 2013

Box Cars and One-Eyed Jacks Jane Felling

What to Look, Alex Lawson

<https://schools.wrdsb.ca/athome/learn/elementary-2/healthy-active-living/> Jo Boler, YouCubed website:

<https://www.youcubed.org/tasks/paper-folding/>.

"The Roll Out Fractions Game: Comparing Fractions" by Enrique Ortiz in [Teaching Children Mathematics](#), August 2006

Grade 8 Science

If you have any questions about the Science activities, please contact -

Melissa Richardson
melissa.richardson2@nbed.nb.ca

If you would like to share a picture or video of you completing an experiment, I would love to see it! You can simply email the pic/video to the above email address.

Feel free to upload them to Microsoft Groups, under assignments, as well. A Science 8-8F group has been activated for those who are interested.

Buoyancy Continued - How do Ships Float?

Watch the following videos:

- ↳ <https://www.pbslearningmedia.org/resource/how-do-ships-float/how-do-ships-float/>;
- ↳ <https://www.youtube.com/watch?v=06TFRgPlmxU>;
- ↳ <https://www.youtube.com/watch?v=Yyvyj41njBs>;

and/or visit these websites:

- ↳ <https://www.explainthatstuff.com/how-ships-work.html>;
- ↳ <https://letstalkscience.ca/educational-resources/stem-in-context/why-do-ships-float>;
- ↳ <https://www.wonderopolis.org/wonder/how-do-boats-float>;

After learning more about why ships float, try the following experiment(s):

- ↳ <https://childsci.org/float-a-boat/>
- ↳ https://www.teachengineering.org/activities/view/duk_float_mary_act
- ↳ <https://www.youtube.com/watch?v=32kbMMt-3-s>

- ↳ Build 3 different boats using materials you can find at home (clay/playdough, paper, aluminum foil, cardboard, a stick, an aluminum can, etc). Test your boats in a tub/sink or in some running water you might find in your ditch, a small stream or nearby puddle to see which boat floats best. Use coins or other small objects to see how much weight your boats can hold.
- ↳ Extension: Compete with your siblings or parents/guardians to see whose boat can hold the most weight (coins).



** Inquiry is a key component in science. We want students to learn by doing and be inquisitive about how things work and how to improve their designs through experimenting. Have fun with it!!

Physical Education

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Phys. Ed. activities for middle school students will be posted by Mr. Robinson weekly. You can find these under "Class Announcements > Phys Ed 6-8" on the school website.