



Centreville Community School



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Grade 8 HOME LEARNING PLAN - May 4th to 8th

Grade:	8
TEACHERS	Grant Robinson, Iris Hitchcock, Kim Foster, Angela Taylor 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>For this week's special Writing piece, write about someone who inspires you or motivates you to be a better person. This could be a parent, sibling, neighbor, other family member or anyone who you want to be like. For example, my mum lost over 40 lbs and is a breast cancer survivor. She inspires me to keep working towards my goals and shows me that I need to live each day to the fullest, enjoying my family and friends every day.</p> <p>You should be able to write at least 3 paragraphs on this person or do a couple of short pieces if you can't decide on just one person.</p> <p><u>For everything you write:</u> 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. <u>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.</u></p>

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

Iris Hitchcock
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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.

Weekly Editing Challenge: There are 10 errors in the following passage. Some are misspelled words, capitalization errors or punctuation mistakes. Rewrite the passage, making the necessary changes.

Has you read *The Polar Express* or *jumlahi*. The author of them books Chris Van Allsburg, was born on June 18, 1949. Van Allsburg has childhood memorys of some people who wanted him to hold a football instead of crayons, but he still become an artist. He never thought about writing childrens books until his wife invited an author to dinner won night. His first picture book was The Garden of Abdul Gasazi.

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 the above email address.

Halifax Explosion - Part 1

Research the Halifax Explosion by watching the following videos:

- <https://www.youtube.com/watch?v=rw-FbwmzPKo>
- <https://www.youtube.com/watch?v=JKcXSCzcSZ4>
- <https://www.youtube.com/watch?v=vubBKLJekzA>

visiting these sites:

- <https://ottawacitizen.com/news/local-news/goodbye-boys-vincent-coleman-and-the-halifax-explosion/>
- <http://www.canadianhistoryforkids.com/canadian-history-for-kids-the-halifax-explosion/>
- <http://education.historicacanada.ca/en/tools/74>
- <https://newsinteractives.cbc.ca/halifaxexplosion/>

and/or reading the information sheet below.

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: Create a mosaic (see picture) on an 8½ x 11 piece of paper to represent your understanding of the Halifax Explosion. Put "Halifax Explosion" in the center of the page and then choose 5 titles/topics (i.e., I mo, Mont Blanc, 1917, World War I, Vince Coleman, etc.). Finally include information, key phrases, words, pictures and/or diagrams.



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 HALIFAX EXPLOSION

PART 1

On December 6, 1917, a devastating explosion ripped through the city of Halifax, Nova Scotia. The blast killed almost two thousand people and nine thousand were injured.

A hundred years ago the Halifax urban area was small compared to many of our modern cities. It had a permanent population of around fifty thousand people in Halifax and in Dartmouth, a small town across the harbour. Indigenous people, the Mi'kmaq, had their own community in Dartmouth called Tufts' Cove.

The city of Halifax had been an important port on the Atlantic for almost a hundred and sixty years. It was founded by the British in 1749. After WWI began in 1914, the city played a crucial part in the war effort. Explosives, war material, and other goods left Halifax and crossed the Atlantic Ocean to the Allied armed forces overseas.

Oil refineries and other businesses had been built on the Dartmouth side of Halifax Harbour. In the fall of 1917 the population on both sides of the harbour was larger than it normally would be, due to the war. As well as a larger number of port and dock workers, there were thousands of soldiers. Many of the men were waiting to board ships that would take them to military postings far away.

On the morning of December 6, adults were heading to their jobs and children were getting ready for school. Most people walked as only a few owned cars. Women at home were clearing away breakfast and planning their day ahead. Some would have been thinking of getting ready for Christmas, less than three weeks away. There would be gifts and food to buy, baking to do, trees to decorate, and Christmas events to attend.

While Halifax came to life that morning, two large ships approached each other in the harbour. One of them, the *Mont Blanc*, was a French vessel carrying munitions and other explosives. The ship was under the control of the French Navy. France was one of the allies fighting against Germany during WWI. The *Mont Blanc* was one of many carriers that journeyed to North America and picked up supplies. They would then take the supplies back to France for use during the war.

The Norwegian ship known as the *Imo* was leaving Halifax Harbour to head to New York City on the morning of December 6th, 1917. It had loaded its cargo to take to Belgium, a country in northern Europe that had remained neutral during the War. This had not stopped the German forces from marching in and occupying the small country just north of its borders. The people of Belgium desperately needed basic supplies.

As the *Imo* left the harbour that morning, it had to cross through the Narrows, the narrowest part of the route that would take it out into the ocean. The Narrows flowed between Halifax and the community of Dartmouth and was the most dangerous area of the harbour for the large vessels passing through. When the *Imo* passed through the Narrows its speed was much higher than it should have been. The *Mont Blanc* was just on the other side of the Narrows, ready to enter the harbour. The *Imo* was travelling quickly and was too far to the left. It also did not yield the right-of-way to the *Mont Blanc* (which it should have done) - The two ships collided, the *Imo* ramming into the starboard bow of the *Mont Blanc*. This created sparks that ignited a flammable substance stored on the *Mont Blanc*'s deck and the French ship caught fire. On the shores of the Narrows, a crowd gathered to watch the fire. People in their homes within viewing distance went to their windows to see what was happening. At 9:06 on the morning of that Thursday in December, the *Mont Blanc* blew up creating a massive explosion that shook Halifax Harbour and was felt for many kilometres around.



This photo shows the Halifax harbour earlier in 1917, before the explosion.

Comprehension Questions

- 1) By reading Part 1, what did you learn about the urban area of Halifax in 1917?
- 2) Why was Halifax an important place during WWI?
- 3) How does the author set the scene of an ordinary day in Halifax, before the explosion occurred?
- 4) Why was the *Imo* in Halifax in early December of 1917? What was its mission?



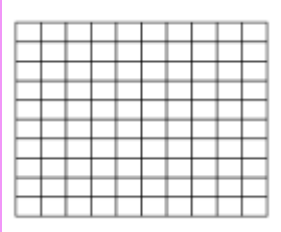
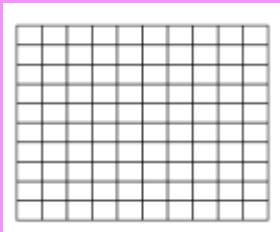
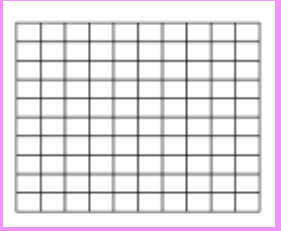
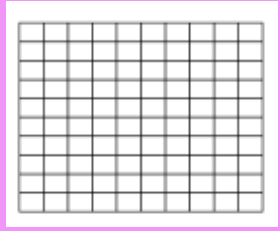
The Halifax side of the harbour soon after the explosion.

Grade 8 Numeracy

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

Kim Foster
kim.foster@nbed.nb.ca

May 4th to May 8th – Offline Math Choice Boards (Grade 8)

Monday	Tuesday	Wednesday	Thursday	Friday															
Complete the following chart: <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Percent</th> <th>Decimal</th> <th>Fraction</th> </tr> </thead> <tbody> <tr> <td>151%</td> <td></td> <td></td> </tr> <tr> <td></td> <td>0.08</td> <td></td> </tr> <tr> <td></td> <td></td> <td>$\frac{1}{8}$</td> </tr> <tr> <td>0.5%</td> <td></td> <td></td> </tr> </tbody> </table>			Percent	Decimal	Fraction	151%				0.08				$\frac{1}{8}$	0.5%			A 6-pack of juice boxes costs \$3.99. A 12-pack costs \$5.99. A 24-pack costs \$9.99. Jennifer wants to buy 158 juice boxes. What is the least expensive way to do this? Justify your answer.	Find the missing number in each pair of equivalent ratios. 36:4 and ___:2 5:15:25 and 15:__:75 The ratio of t-shirts to shorts is 6:4. What percent of the items are shorts?
Percent	Decimal	Fraction																	
151%																			
	0.08																		
		$\frac{1}{8}$																	
0.5%																			
Shade the grids below to show 15.5%. <div style="display: flex; justify-content: space-around; margin-top: 10px;">   </div> <p>b) Shade the grids below to show 125%</p> <div style="display: flex; justify-content: space-around; margin-top: 10px;">   </div>			Alvin has a collection of 1272 different sports cards. The ratio of baseball cards to hockey cards to football cards is 4:3:1. What percent of his cards are hockey cards? How many baseball cards does he own? The ratio of girls to boys on a hockey team is 3:5. If there are 24 players on the team, how many are girls?	In a certain section of the ocean, the ratio of sharks to dolphins is 4:3. The ratio of dolphins to octopi is 3:2. How many octopi are in the section of the ocean if there are 72 sharks? If 16 is 20% of a number, what is the number? If 121 is 11% of a number, what is the number?															

May 4th to May 8th – 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

May 4th to May 8th – Online Math Choice Boards (Grade 8)

Monday	Tuesday	Wednesday	Thursday	Friday
Game 1 – Equivalent Ratios.	Game 2: Equivalent fractions	Game 3: Adding Fractions	Game 4: Area and Perimeter	Game 5: Rotations
Probability		Dirt Bike Proportions		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, which your child may wish to try. The headings listed below tell sections related to the learning activities for the week.

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

Percents	Consumer Math	Consumer Math	One-variable equations	Ratios, rates and proportions
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A chance to practice your multiplication skills:

[Mr. Boyd reads: The Best of Times](#)

May 4th to May 8th – Online Math and Tech Games (Grade 8)

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:

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

"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.

Chemical Reactions - Acids and Bases

Watch the following videos:

- <https://www.youtube.com/watch?v=cTfBuR-uY48>
- <https://www.stemmayhem.com/why-does-vinegar-baking-soda-react/>
- <https://www.youtube.com/watch?v=t5eUOXm-wiE>
- <https://study.com/join/classroom.html?code=slate-snake-6683> (Classroom code **slate-snake-6683**)

and/or visit these websites:

- <https://www.wonderopolis.org/wonder/what-happens-when-you-mix-vinegar-and-baking-soda>
- <https://learning-center.homesciencetools.com/article/acid-base-reactions-ph-experiments/>
- <https://www.thoughtco.com/equation-for-the-reaction-of-baking-soda-and-vinegar-604043>

Baking soda experiments or activities are a great, safe and easy way to introduce the concept of a chemical reaction to students. Baking Soda is alkaline and reacts with acids such as vinegar, releasing carbon dioxide (a gas) and water. The fizz produced is brilliant fun for children to watch. After learning about acid/base reactions, try creating a baking soda powered boat:

- <https://www.kiwico.com/diy/Science-Projects-for-Kids/3/project/Baking-Soda-Powered-Boat/2634>
- <https://www.science-sparks.com/baking-soda-powered-boat/>

This baking soda experiment boat is easy to build and fun to race. All you need is a plastic bottle (empty), baking soda, vinegar, straw and scissors. Now that's it's nice outside, test/race your boats in some running water you might find in your ditch, a small stream or better yet a small plastic wading pool (if you have one). If you prefer to stay indoors a tub/sink will work as well.

Try experimenting with the amount of vinegar/baking soda or the size of the plastic bottle. Are there adjustments you can make to you Baking Soda Powered Boat that can make it work better and/or go faster?



RaisingNaturalKids.com

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.