



## Middle Level Home Learning Week 3

Select activities from the Bingo Card below to complete at home. Try to fill in one complete line for a BINGO or do random squares that peak your interest. We hope you have fun doing the activities. :-)

<b>B</b>	<b>I</b>	<b>N</b>	<b>G</b>	<b>O</b>
ASD-N's Weekly Stem Challenge				
 <p>Wind power is a green energy that is generated from the wind. It is a renewable resource because there will always be wind on Earth. Wind turbines harness the power of the wind to make electricity. Your challenge is to build an anemometer to measure wind speed and direction. Check out this site for tips.  <a href="https://www.teachengineering.org/activities/view/cub_energy2_lesson07_activity1">https://www.teachengineering.org/activities/view/cub_energy2_lesson07_activity1</a></p>	<p><b>Math</b>            Fraction, decimal, percent search!            Look around your house for three examples each of a fraction, percent, and a decimal. Once you've found them, order them on an open number line.            For example, a sticker on a book says 40% off, English cucumbers in the Foodland flyer are \$1.69, and your ammo on Fortnite says 20/50.  <b>Remember</b>, an open number line is blank, you decide at what number it starts and ends.  <a href="https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-negative-number-topic/cc-6th-neg-dec-frac-number-line/v/points-on-a-number-line">https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-negative-number-topic/cc-6th-neg-dec-frac-number-line/v/points-on-a-number-line</a></p>	<p><b>Social Studies</b>            Write a short letter about the environmental impacts, past and present, of the Mactaquac Dam on the St. John river.            Consider the following in your short letter: animal populations in the area, livelihoods affected by the damming of the river both positively and negatively, the impacts on biodiversity (number of plants and animals in the St. John river watershed), and how the river ecosystem has changed since the Mactaquac Dam opened in 1968.  <a href="https://www.cbc.ca/news/canada/new-brunswick/mactaquac-dam-construction-1.4882068">https://www.cbc.ca/news/canada/new-brunswick/mactaquac-dam-construction-1.4882068</a>  <a href="https://www.cbc.ca/player/play/1227309123723">https://www.cbc.ca/player/play/1227309123723</a></p>	<p><b>Start Creating:</b> You can make an inspiring bracelet for a friend, a family member or even for yourself with a hidden message, using the Morse code. There are many different formats. Here is a link below of a tutorial that you could watch in order to get an idea how to create your own. You can use different material that you would have in your house. Enjoy creating!  <a href="https://www.instructables.com/id/Morse-Code-Bracelet/">https://www.instructables.com/id/Morse-Code-Bracelet/</a>            Here is link for the Morse Code:  <a href="http://printerprojects.com/charts/elements/morsecodechart.pdf">http://printerprojects.com/charts/elements/morsecodechart.pdf</a></p>	<p><b>The Art of Clues. . .</b> Create a themed scavenger hunt. It can be Canadian culture, or you can pick your favorite sport, movie, book, subject in school, etc. Use your theme as inspiration to create a scavenger hunt with clever clues. Once you've created your scavenger hunt, invite family members to try and figure it out. Have fun!</p>
<p>Read more about Wind Energy from The Need Project.  <a href="http://stemnorth.nbed.nb.ca/sites/stemnorth.nbed.nb.ca/files/doc/v2020/Apr/wind_energy.pdf">http://stemnorth.nbed.nb.ca/sites/stemnorth.nbed.nb.ca/files/doc/v2020/Apr/wind_energy.pdf</a>            Take notes in your journal and see if you can complete the Wind crossword!  <a href="http://stemnorth.nbed.nb.ca/sites/stemnorth.nbed.nb.ca/files/doc/v2020/Apr/wind_crossword.pdf">http://stemnorth.nbed.nb.ca/sites/stemnorth.nbed.nb.ca/files/doc/v2020/Apr/wind_crossword.pdf</a></p>	<p><b>Can you solve the sea monster riddle?</b> You will have to use your math skills for this one. You can view the video link down below. Know that he will explain in the video how to solve this riddle. If you would like to attempt to solve it on your own, pause the video at 2:12. And if you would like help with the first step, pause the video at 3:08. Good luck!  <a href="https://ed.ted.com/lessons/can-you-solve-the-sea-monster-riddle-dan-finkel">https://ed.ted.com/lessons/can-you-solve-the-sea-monster-riddle-dan-finkel</a></p>	<p><b>Science</b>            There are 8 levels for scientific classification in taxonomy. These are used to group and organize organisms (living things).            Domain            Kingdom            Phylum            Order            Family            Genus            Species</p>	<p><b>Upcycle project!</b> Using materials found in your house, try to create your own marble run. Is the marble going to be triggered by opening a door? Is there going to be a funnel involved? Is there going to be a big drop somewhere in the run or even a jump? Test, retest and have fun creating!            Here is a link with a few ideas from a challenge that was set up in 2016</p>	<p><b>Math</b>            Go to the following link to do a timed testing of your multiplication facts,  <a href="https://www.multiplication.com/quiz/multiplication-self-correcting-quiz-up-through-twelves">https://www.multiplication.com/quiz/multiplication-self-correcting-quiz-up-through-twelves</a>            If you do not have access to a computer, print out 40 multiplication problems that include facts between 0 facts and 12 facts.            Press the timer and see how long it takes for you to finish the 40</p>

		<p>Watch the video link and then make up your own mnemonic to remember the classifications.</p> <p><a href="https://www.youtube.com/watch?v=IN0Wn0XgPX0">https://www.youtube.com/watch?v=IN0Wn0XgPX0</a></p> <p><a href="https://www.youtube.com/watch?v=WB44iAAH5gU">https://www.youtube.com/watch?v=WB44iAAH5gU</a></p>	<p><a href="https://www.youtube.com/watch?v=IN0Wn0XgPX0">https://www.youtube.com/watch?v=IN0Wn0XgPX0</a></p>	<p>problems. Don't forget to see how many you got correct.</p>																										
<p><b>The Arts:</b> Wind can make some beautiful music! Make a wind instrument of your choice using materials around your house (Ex. Musical bottles, kazoo, pan pipes). Invent a beautiful tune and play it for your family!</p> 	<p>Choose one of these writing prompts and write a poem. The poem should have at least 10 lines.</p> <p>Poem prompts: 1. "Staying Home" 2. Right now, I wish I could... 3. Something nice I can for others is...</p> <ul style="list-style-type: none"> <li>If you chose this activity last week, please select one of the other prompts and write a new poem.</li> </ul>	<p><b>Ready for a challenge!</b> Go join Brilliant Labs and check out their Daily Challenges. You can join them every weekday at 10am AST for a new Make-At-Home activity &amp; at 1pm for an Outdoor activity or a Digital Learning skill while schools are closed.</p> <p><a href="https://www.brilliantlabs.ca/make_rfun">https://www.brilliantlabs.ca/make_rfun</a></p>	<p><b>Changing Lives!</b> Check out this TED TALK from William Kamkwamba, a 13-year-old boy who changed lives in his village by building a windmill. Search for information on another young person who is changing the world for the better. Write a journal entry about the people you discovered and ideas on how young people can make a difference. Discuss what you learned with family members. (Immersion students can do their journal writing in French)</p> <p><a href="https://www.ted.com/talks/william_kamkwamba_how_i_harnessed_the_wind?language=en">https://www.ted.com/talks/william_kamkwamba_how_i_harnessed_the_wind?language=en</a></p>	<p><b>Battles of the Sciences.</b> Select one Bill Nye science video to watch and then watch one video from Science Max. How do they measure up? Which do you prefer? Write a paragraph comparing the two videos and give your opinion on which you think is better. Remember to back up your ideas with reasons and examples.</p> <p><a href="https://www.tvokids.com/school-age/science-max-experiments-large-0">https://www.tvokids.com/school-age/science-max-experiments-large-0</a></p> <p><a href="https://www.youtube.com/channel/UCjYM-YemOPCooH9U378GcVw">https://www.youtube.com/channel/UCjYM-YemOPCooH9U378GcVw</a></p>																										
<p>The table below is the 2019 monthly average wind speed for Bathurst, NB measured by an anemometer in kilometers per hour. Find the mean, median, and mode.</p> <table border="1" data-bbox="117 1031 285 1312"> <thead> <tr> <th>Month</th> <th>Avg. Wind Speed km/h</th> </tr> </thead> <tbody> <tr><td>January</td><td>11.7</td></tr> <tr><td>February</td><td>14.6</td></tr> <tr><td>March</td><td>13.7</td></tr> <tr><td>April</td><td>14.5</td></tr> <tr><td>May</td><td>11.6</td></tr> <tr><td>June</td><td>11</td></tr> <tr><td>July</td><td>9.1</td></tr> <tr><td>August</td><td>9.9</td></tr> <tr><td>September</td><td>12.7</td></tr> <tr><td>October</td><td>11</td></tr> <tr><td>November</td><td>15.6</td></tr> <tr><td>December</td><td>16.1</td></tr> </tbody> </table> <p>Click on the link below for help.</p> <p><a href="https://www.khanacademy.org/math/ap-statistics/summarizing-quantitative-data">https://www.khanacademy.org/math/ap-statistics/summarizing-quantitative-data</a></p>	Month	Avg. Wind Speed km/h	January	11.7	February	14.6	March	13.7	April	14.5	May	11.6	June	11	July	9.1	August	9.9	September	12.7	October	11	November	15.6	December	16.1	<p>Read the Article "Would you rather hang out with cats, rabbits or owls?" (follow the link below). When you have finished reading it, write a detailed paragraph describing which animal you would rather hang out with and why. Have a discussion with family members about what you read and everyone's opinion on who they would pick. (Immersion students can write and discuss in French). Feel free to share your paragraphs with us using the share button on Microsoft office or emailing them to us using our school emails.</p> <p><a href="https://www.tweentribune.com/article/tween78/would-you-hang-out-cats-rabbits-or-owls/">https://www.tweentribune.com/article/tween78/would-you-hang-out-cats-rabbits-or-owls/</a></p>	<p><b>A Breath of Fresh Air.</b> Go on a nature walk with your family. Keep track or take pictures of the birds, insects, mammals and scenery you see. Draw and color a detailed picture to capture what you saw on your walk. Share your picture with your family.</p>	<p>Have fun filling out this awesome idea of taking some time to create your very own time capsule.</p> <p>Link in English:</p> <p><a href="https://fox8.com/wp-content/uploads/sites/12/2020/04/COVID19-TIME-CAPSULE-3.pdf">https://fox8.com/wp-content/uploads/sites/12/2020/04/COVID19-TIME-CAPSULE-3.pdf</a></p> <p>Link in French:</p> <p><a href="http://drhs.nbed.nb.ca/sites/drhs.nbed.nb.ca/files/doc/y2020/Apr/ca-psule_de_temps_covid-19.pdf">http://drhs.nbed.nb.ca/sites/drhs.nbed.nb.ca/files/doc/y2020/Apr/ca-psule_de_temps_covid-19.pdf</a></p>	<p><b>Flag Fun</b> - Watch the video "Why don't country flags use the color purple?"</p> <p><a href="https://ed.ted.com/best_of_web/Zeu6OxKu#review">https://ed.ted.com/best_of_web/Zeu6OxKu#review</a></p> <p>After watching it, design and create your own family flag. What colors and symbols would best represent your family? If your family had its own flag... what would it be? After you are done creating your flag, share it with your family explaining your design choices. Have Fun &amp; Be creative. ☺</p>
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<p><a href="#">ap/measuring-center-quantitative/v/mean-median-and-mode</a></p>				
<p><i>Celebrate Earth Day on April 22<sup>nd</sup>. With your family, complete some of the items on the Earth Day check list to help reduce our Carbon footprint.</i></p> <ul style="list-style-type: none"> <li>○ Turn off lights</li> <li>○ Reuse</li> <li>○ Recycle</li> <li>○ Borrow</li> <li>○ Shorter showers</li> <li>○ Have a green thumb</li> <li>○ Start a compost bin</li> <li>○ Pick up garbage</li> <li>○ Use your bike</li> <li>○ Collect rainwater for your garden</li> </ul>	<p><b><i>A Picture's worth a 1000 Words.</i></b>  <i>Create a photo Diary: Take pictures that capture your days at home and keep an online journal or make a scrapbook / log book to document your time at home.</i></p>	<p><b><i>Share the laughs.</i></b> <i>Play a board or card game with your family. When you are done, create an advertisement (either poster or commercial) encouraging others to play the game as well. You are trying to sell the idea / game, so when you design your commercial or poster, remember to create convincing images / messages.</i></p>	<p><b><i>Three Cheers for Sports Teams!</i></b>  <i>On a Map of Canada, (or on paper if you don't have a map) identify and mark where our professional sports teams are located (CFL, MLB, NHL, NBA, CPL). Examine and explain how the team name, logo and Mascot relates to the geography, culture and community where they are located. Have a discussion with family about what you discover.</i>  <b>OR</b>  <i>Create a new logo or mascot for a team, which you think would represent the culture of that team even better.</i></p>	<p><b><i>Fraction war.</i></b> <i>Play a card game of war with a little twist. Each player flips two cards to create a fraction. Whoever has the biggest fraction wins that hand.</i></p> 