

# GRADES 3-5 WORK MENU: DINING OUT

## Wind Power

June 1 - 5, 2020



### Appetizers - Wellness (choose 1 per day)

- Wind power is a green energy generated from the wind. It is considered a renewable resource because there will always be wind on Earth. Wind turbines (les éoliennes) harness the power of the wind to make electricity. Your challenge is to create a pinwheel and discover how wind speeds affect your creation. Details found [HERE](#). ~Create, Test, Improve.
- Click [HERE](#) to follow along with, “The Legend of Strong Wind”. Please pay attention to the ‘trembling Aspen’ and the wolf-humility of The Seven Sacred Teachings.
- The Richibucto Wind Project, which is owned by the Pabineau First Nation in partnership with the company Natural Forces, is something very new and exciting in our area. As of January 10, 2020, the project’s wind turbine reached commercial operation which means it is actually producing electricity! Click [HERE](#) to learn more about the Richibucto Wind Project in English and [ICI](#) pour leur site web français.
- What’s a fun activity you can do on a windy day? Fly a kite! Click [HERE](#) to learn how to draw a kite.
- 3 minute mindful listening: Go outside, sit, close your eyes, be still, focus. What do you hear, smell, feel on your skin? Take 10 controlled, deep breaths. Open your eyes. What do you see? Be thankful.

How did you do with your activity today? (Respond with a few sentences).



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<ul style="list-style-type: none"><li>○ Keep an illustration journal of what you see when you open your eyes after your mindful minutes. Draw what you see or what you imagined. HINT: This is probably best to do right after your mindful minute. You can take your journal and pencil outside with you.</li></ul>	
<p><b>Side Dish - Numeracy (choose 1 per day)</b></p> <ul style="list-style-type: none"><li>○ Play DreamBox for 30 minutes. Students in 4A - Be sure to do the assigned lessons first (the little blue calendar icon).</li><li>○ Which Way the Wind Blows</li></ul> <p>First Nations knew that wind patterns vary according to the seasons. Noting the pattern helped them make predictions about hunting and travelling. Teaching the children to observe the wind will help them understand the seasonal changes.</p> <p>You will need:</p> <p>a weathervane (learn how to create one <a href="#">HERE</a>) and a fixed spot (it may be outside your bedroom window or on your lawn), paper, coloured pencils and a ruler</p> <p>Ask yourself some of the following questions about weather:</p> <p>What is wind? How does it affect the weather? How is a weathervane read? Did you know that wind is caused when air expands (gets bigger) and rises as it is heated by the sun? Cooler</p>	<p>How did you do with your activity today? (Respond with a few sentences).</p>



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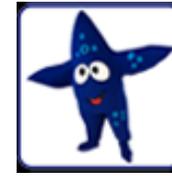


<p>less kWh of electricity than hair dryers per year. About how many kilowatt-hours (kWh) might each device use in a year? (Hint – There could be more than one answer.)</p> <p>Just a reminder: When solving this problem, you may want to use one or more of the problem-solving strategies we used this year. You could: Act It Out, Draw a Picture, Use a Model, Look for a Pattern, Make a Table or a Chart, Try a Simpler Problem, Guess and Check, and/or Make a List.</p>	
<p><b>Dessert - Cross Curricular: Social Studies/Science (choose 1 per day)</b></p> <ul style="list-style-type: none"><li>○ Tornadoes are rare, powerful and windy weather events. How do tornadoes form? Where do they most often occur? How do tornadoes affect people? To answer these questions in English, click <a href="#">HERE</a>. Pour les répondre en français, cliquer <a href="#">ICI</a>.</li><li>○ Have you ever watched the clouds in the sky on a windy day? Go outside and observe the clouds. Sketch them in your journal and try to classify them. In which direction are they moving? What do they make you wonder? Click <a href="#">HERE</a> for an English classification aide and <a href="#">ICI</a> pour la version française.</li><li>○ Wind can make music too! Try filling up 3 identical narrow-necked bottles with water at varying levels (<math>\frac{1}{4}</math>, <math>\frac{1}{2}</math>, and <math>\frac{3}{4}</math>). Touch your lower lip to the edge of the bottle and gently blow over the opening. How do the notes differ? Try with other water levels or bottles. Invent a beautiful melody! You can also try making a kazoo using a</li></ul>	<p>How did you do with your activity today? (Respond with a few sentences).</p>

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cardboard tube, a rubber band, and some waxed paper or a plastic grocery bag. Instructions can be found [HERE](#). Play a beautiful tune for your family!

- o Design and create a kite that will fly using the power of the wind. Click [HERE](#) if you would like to see an example of a kite made from a plastic tablecloth or garbage bag, dowels and yarn or [HERE](#) to see an example of a kite made from paper and thread using a stapler.
- o Students, it is time to dramatize how a tree would "feel" using large and small muscle movements to move like a tree under the following conditions:
  - a gentle spring breeze
  - a violent autumn windstorm
  - pelting rain
  - a summer forest fire
  - having bare limbs in the winter
  - a squirrel running up its trunk
  - a bird nesting in its branches
  - a person climbing it
  - someone cutting it down

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