



<b>Science Grade 5</b> <b>Earth and Space Science: Weather (WE)</b>					
<b>Outcome</b>		<b>1 – Little Evidence</b> With help, I understand parts of the simpler ideas and do a few of the simpler skills.	<b>2 – Partial Evidence</b> I understand the simpler ideas and can do the simpler skills. I am working on the more complex ideas and skills.	<b>3 – Sufficient Evidence</b> I understand the more complex ideas and can master the complex skills that are taught in class. <b>I achieve the outcome.</b>	<b>4- Extensive Evidence</b> I have a deep understanding of the complex ideas, and I can use the skills I have learned in situations that were not taught in class.
<b>WE5.1</b> <b>Measure and represent local weather, including temperature, wind speed and direction, amount of sunlight, precipitation, relative humidity, and cloud cover.</b>	<b>Measure weather</b>	<ul style="list-style-type: none"> <li>• <b>With help</b>, I can measure weather using pre-existing measurement methods.</li> </ul>	<ul style="list-style-type: none"> <li>• I can measure weather <b>using pre-existing measurement methods.</b></li> </ul>	<ul style="list-style-type: none"> <li>• I can measure weather using pre-existing measurement methods <b>AND instruments I have created.</b></li> </ul>	<ul style="list-style-type: none"> <li>• I can measure weather using both pre-existing methods as well as instruments I have created <b>and explain the purpose of each measurement method.</b></li> </ul>
		<ul style="list-style-type: none"> <li>• I measure <b>a few</b> of the following: temperature, wind speed and direction, amount of sunlight, precipitation, relative humidity, cloud cover.</li> </ul>	<ul style="list-style-type: none"> <li>• I measure <b>several</b> of the following: temperature, wind speed and direction, amount of sunlight, precipitation, relative humidity, cloud cover.</li> </ul>	<ul style="list-style-type: none"> <li>• I measure <b>ALMOST ALL</b> of the following: temperature, wind speed and direction, amount of sunlight, precipitation, relative humidity, cloud cover.</li> </ul>	<ul style="list-style-type: none"> <li>• I measure <b>ALL</b> of the following: temperature, wind speed and direction, amount of sunlight, precipitation, relative humidity, cloud cover.</li> </ul>
		<ul style="list-style-type: none"> <li>• With help, I can draw <b>a few conclusions</b> about the <b>strengths and limitations of the methods I use.</b></li> </ul>	<ul style="list-style-type: none"> <li>• I can draw <b>a few conclusions</b> about the <b>strengths and limitations of the methods I use.</b></li> </ul>	<ul style="list-style-type: none"> <li>• I can draw conclusions about the <b>strengths and limitations of the methods I create, and explain my reasoning.</b></li> </ul>	<ul style="list-style-type: none"> <li>• I can <b>compare the purposes and the strengths and limitations</b> of the methods I use to measure weather, both pre-existing methods as well as instruments I have created.</li> </ul>



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	Represent weather	<ul style="list-style-type: none"><li>With help, I can compile and display weather data using a teacher-given model.</li></ul>	<ul style="list-style-type: none"><li>I can compile and display weather data using a teacher-given model.</li></ul>	<ul style="list-style-type: none"><li>I can compile and display weather data using an appropriate representation method.</li></ul>	<ul style="list-style-type: none"><li>I can explain my reasoning for using various methods I use to represent my weather data.</li></ul>
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<b>WE5.2</b> <b>Investigate local, national, and global weather conditions, including the role of air movement and solar energy transfer.</b>	<ul style="list-style-type: none"> <li>I can carry out simple processes to draw simple conclusions about the role of air movement <b>OR</b> solar energy transfer in local, national and global weather conditions.</li> </ul>	<ul style="list-style-type: none"> <li>I can carry out simple processes with some accuracy to draw simple conclusions about the role of air movement <b>OR</b> solar energy transfer in local, national and global weather conditions.</li> </ul>	<ul style="list-style-type: none"> <li>I can carry out processes accurately to draw conclusions about the role of air movement <b>AND</b> solar energy transfer in local, national and global weather conditions.</li> </ul>	<ul style="list-style-type: none"> <li>I can design and carry out an investigation to draw conclusions about the role of air movement <b>AND</b> solar energy transfer in local, national and global weather conditions.</li> </ul>
	<ul style="list-style-type: none"> <li>With help, I can identify air movement and solar energy transfer in weather conditions.</li> </ul>	<ul style="list-style-type: none"> <li>I can identify air movement and solar energy transfer in weather conditions.</li> </ul>	<ul style="list-style-type: none"> <li>I can explain the role of air movement and solar energy transfer in weather conditions.</li> </ul>	<ul style="list-style-type: none"> <li>I can compare the impact of air movement and solar energy transfer in weather conditions.</li> </ul>
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<b>WE5.3</b> <b>Analyze the impact of weather on society and the environment, including technologies that help humans address weather conditions.</b>	Technologies that help humans	<ul style="list-style-type: none"> <li>I can identify <b>a few</b> traditional <b>OR</b> contemporary technological innovations or products that help humans address weather conditions.</li> </ul>	<ul style="list-style-type: none"> <li>I can describe some traditional <b>OR</b> contemporary technological innovations or products that help humans address weather conditions.</li> </ul>	<ul style="list-style-type: none"> <li>I can describe <b>several</b> traditional <b>AND</b> contemporary technological innovations or products that help humans address weather conditions.</li> </ul>	<ul style="list-style-type: none"> <li>I can <b>explain why</b> several traditional <b>AND</b> contemporary technological innovations or products help humans address weather conditions.</li> </ul>
	Impact on society	<ul style="list-style-type: none"> <li>I can <b>identify</b> several examples of the impact of weather on society.</li> </ul>	<ul style="list-style-type: none"> <li>I can <b>describe</b> several examples of the impact of weather on society.</li> </ul>	<ul style="list-style-type: none"> <li>I can <b>explain</b> the impact of weather on society, <b>with detailed examples.</b></li> </ul>	<ul style="list-style-type: none"> <li>I can <b>determine</b> the impact of weather <b>on different communities in Canada or the world, with detailed examples.</b></li> </ul>
	Impact on the environment	<ul style="list-style-type: none"> <li>I can <b>identify</b> several examples of the impact of weather on the environment.</li> </ul>	<ul style="list-style-type: none"> <li>I can <b>describe</b> several examples of the impact of weather on the environment.</li> </ul>	<ul style="list-style-type: none"> <li>I can <b>explain</b> the impact of weather on the environment, <b>with detailed examples.</b></li> </ul>	<ul style="list-style-type: none"> <li>I can <b>determine</b> the impact of weather <b>on the environment in Canada or the world, with detailed examples.</b></li> </ul>
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