

<p style="text-align: center;">Science Grade 5 Earth and Space Science: Weather (WE)</p>					
Outcome		<p>1 - Beginning The student is having difficulty demonstrating an understanding of the concept.</p>	<p>2 – Approaching The student is developing an understanding of the concept.</p>	<p>3 – Meeting The student consistently demonstrates an understanding of the concept or has achieved the concept.</p>	<p>4- Exemplary The student independently demonstrates an in-depth understanding of the concept, and consistently applies this knowledge to new situations.</p>
<p>WE5.1 Measure and represent local weather, including temperature, wind speed and direction, amount of sunlight, precipitation, relative humidity, and cloud cover.</p>	<p>Measure weather</p>	<ul style="list-style-type: none"> • With help, I can measure weather using pre-existing measurement methods. • I measure a few of the following: temperature, wind speed and direction, amount of sunlight, precipitation, relative humidity, cloud cover. • With help, I can draw a few conclusions about the strengths and limitations of the methods I use. 	<ul style="list-style-type: none"> • I can measure weather using pre-existing measurement methods. • I measure several of the following: temperature, wind speed and direction, amount of sunlight, precipitation, relative humidity, and cloud cover. • I can draw a few conclusions about the strengths and limitations of the methods I use. 	<ul style="list-style-type: none"> • I can measure weather using pre-existing measurement methods AND instruments I have created. • I measure ALMOST ALL of the following: temperature, wind speed and direction, amount of sunlight, precipitation, relative humidity, and cloud cover. • I can draw conclusions about the strengths and limitations of the methods I create, and explain my reasoning. 	<ul style="list-style-type: none"> • I can measure weather using both pre-existing methods as well as instruments I have created and explain the purpose of each measurement method. • I measure ALL of the following: temperature, wind speed and direction, amount of sunlight, precipitation, relative humidity, and cloud cover. • I can compare the purposes and the strengths and limitations of the methods I use to measure weather, both pre-existing methods as well as instruments I have created.
	<p>Represent weather</p>	<ul style="list-style-type: none"> • With help, I can compile and display weather data using a teacher-given model. 	<ul style="list-style-type: none"> • I can compile and display weather data using a teacher-given model. 	<ul style="list-style-type: none"> • I can compile and display weather data using an appropriate representation method. 	<ul style="list-style-type: none"> • I can explain my reasoning for using various methods I use to represent my weather data.
<p>Comments</p>					

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WE5.2 Investigate local, national, and global weather conditions, including the role of air movement and solar energy transfer.	<ul style="list-style-type: none"> • I can carry out simple processes to draw simple conclusions about the role of air movement OR solar energy transfer in local, national and global weather conditions. 	<ul style="list-style-type: none"> • I can carry out simple processes with some accuracy to draw simple conclusions about the role of air movement OR solar energy transfer in local, national and global weather conditions. 	<ul style="list-style-type: none"> • I can carry out processes accurately to draw conclusions about the role of air movement AND solar energy transfer in local, national and global weather conditions. 	<ul style="list-style-type: none"> • I can design and carry out an investigation to draw conclusions about the role of air movement AND solar energy transfer in local, national and global weather conditions.
	<ul style="list-style-type: none"> • With help, I can identify air movement and solar energy transfer in weather conditions. 	<ul style="list-style-type: none"> • I can identify air movement and solar energy transfer in weather conditions. 	<ul style="list-style-type: none"> • I can explain the role of air movement and solar energy transfer in weather conditions. 	<ul style="list-style-type: none"> • I can compare the impact of air movement and solar energy transfer in weather conditions.
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<p>WE5.3 Analyze the impact of weather on society and the environment, including technologies that help humans address weather conditions.</p>	Technologies that help humans	<ul style="list-style-type: none"> I can identify a few traditional OR contemporary technological innovations or products that help humans address weather conditions. 	<ul style="list-style-type: none"> I can describe some traditional OR contemporary technological innovations or products that help humans address weather conditions. 	<ul style="list-style-type: none"> I can describe several traditional AND contemporary technological innovations or products that help humans address weather conditions. 	<ul style="list-style-type: none"> I can explain why several traditional AND contemporary technological innovations or products help humans address weather conditions.
	Impact on society	<ul style="list-style-type: none"> I can identify several examples of the impact of weather on society. 	<ul style="list-style-type: none"> I can describe several examples of the impact of weather on society. 	<ul style="list-style-type: none"> I can explain the impact of weather on society, with detailed examples. 	<ul style="list-style-type: none"> I can determine the impact of weather on different communities in Canada or the world, with detailed examples.
	Impact on the environment	<ul style="list-style-type: none"> I can identify several examples of the impact of weather on the environment. 	<ul style="list-style-type: none"> I can describe several examples of the impact of weather on the environment. 	<ul style="list-style-type: none"> I can explain the impact of weather on the environment, with detailed examples. 	<ul style="list-style-type: none"> I can determine the impact of weather on the environment in Canada or the world, with detailed examples.
<p>Comments</p>					