



Cayman Climate Education – Primary KS2

Atmosphere Unit: Topic 3, Lesson 3.1

Lesson 3.1 How is climate change affecting climate and weather in Cayman?	
<p>Prior Requirements:</p> <p>It would be highly suggested that Topic 3 follows on from Topic 2 directly. It will require a good understanding of T1 and T2 content to help the students understand the impacts of climate at a national level considering the greenhouse effect and the role it plays with weather and climate.</p>	
<p>Learning Objectives:</p> <p>Students will learn about how climate change is affecting the Cayman Islands.</p> <p>Students will consider how climate and weather may be affecting them as a result of climate change.</p>	<p>NC Links:</p> <p><u>Social Studies</u></p> <p>Identify and explain local and global environmental problems and individual roles in minimizing them.</p>
<p>Success Criteria. In 'child friendly' language</p> <p>I can explain how climate change is affecting the Cayman Islands</p> <p>I understand the effects climate change has on Atmospheric Temperatures, everyday weather, seasonal weather, and extreme weather.</p>	
<p>Key Language</p> <p>Atmospheric temperatures – the different degrees of hotness or coldness in the air around us.</p> <p>Everyday weather – the weather that we experience on a day-to-day basis.</p> <p>Seasonal weather – describes the different atmospheric conditions that occur during specific times of the year.</p> <p>Extreme weather – unusual and severe atmospheric conditions, like intense storms, hurricanes, or extreme temperatures.</p> <p>Hurricanes – powerful and large storms that form over warm ocean waters, with strong winds and heavy rains.</p> <p>Rainfall</p> <p>Heat waves – periods of very hot weather, often with high temperatures lasting for an extended time, bringing heat and discomfort to people and the environment.</p> <p>Rough seas</p>	

<p>Pre-Lesson/Introduction (5-7 mins)</p> <ol style="list-style-type: none"> 1. Before the lesson, set up 4 stations in the classroom, each focusing on a different aspect of climate change: Atmospheric Temperatures, Everyday Weather, Seasonal Weather and Extreme Weather. 2. Introduce the topic briefly and link to previous knowledge from T1 and T2. 	<p>Materials required:</p> <p><i>Laptops/ screens for playing resource videos.</i></p> <p><i>Facts sheets per station</i></p> <p><i>Lesson worksheet</i></p>
<p>Main Activity (35 mins)</p> <ol style="list-style-type: none"> 1. Break students up into smaller groups, assign them to a station and provide them with a worksheet to carry with them from station to station throughout the lesson. 2. Using the facts sheets and resources at each station prompt the students to observe and record the effects of climate change on their station's topic e.g. extreme weather. They can record their findings through writing or drawing. See leveled worksheet options. 3. Rotate the groups to the next station after a set amount of time (e.g., 5-7 mins) and repeat until they have interacted with each station. 4. Interact with the students at each station before they leave and encourage them to leave a question or statement or concern at each station. 5. You could model the first station with the whole class first and then send them off. 6. Check in between stations, mini plenary, check for understanding. 	
<p>Conclusion (5-10 mins)</p> <ol style="list-style-type: none"> 1. Conclude the lesson by asking students to review the differences they found between each station and share some. Think pair share, come up with 3 things, 3 statements and 3 questions. 2. Ask them to think about how climate change could impact their everyday lives through one of the aspects. 	
<p>Optional: If time permits, conclude the activity by having students create a drawing that depicts the impact of weather and climate change on the Cayman Islands, showcasing the observed effects.</p>	