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| Subject: Geography | Weather and Its Impact  | |
| Class: T8 | Teacher: Scott Gillman | Term: 3 |
| Key Vocabulary: <ul style="list-style-type: none"> - Weather - Climate - Meteorology - Precipitation - Storm - Flood - Drought - Tornado - Hurricane - Natural disaster - Mitigation - Adaptation | Alternative Learning Environments Forest school, walks around local area, local visits. | Resources: Power points, worksheets, youtube videos, |

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| Unit Aim: To explore different weather phenomena, understand their causes, and analyse the potential damages they can cause to the environment and society. |
| Prior Learning: Prior Learning <ul style="list-style-type: none"> - Basic concepts of weather: temperature, humidity, wind, and precipitation. - Introduction to climate zones and their characteristics. - Awareness of previous natural disasters and their effects on communities. |

Future Learning:

- Understanding climate change and its long-term impacts on the environment.
- Detailed studies of specific natural disasters and disaster preparedness.
- Exploring global weather patterns and their influence on local climates.

Unit Expectations:

- Demonstrate knowledge of various weather phenomena.
- Analyse the causes and effects of different weather conditions.
- Develop skills to interpret weather data and forecasts.
- Engage in discussions about climate change and its implications for the future.

Links with other subjects:

ICT: Research and power point presentations.

Art: *Creating posters*

Literacy: *Writing and reading skills*

| Week | Session 1 |
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| 1 | <p>Introduction to Weather</p> <ul style="list-style-type: none">- Objective: Understand basic weather elements.- Success Criteria: Define key terms and identify components of weather. |
| 2 | <p>Weather Systems and Patterns</p> <ul style="list-style-type: none">- Objective: Explore how weather systems develop (high/low pressure).- Success Criteria: Describe different weather patterns and their characteristics. |
| 3 | <p>The Water Cycle</p> <ul style="list-style-type: none">- Objective: Learn about the water cycle and its role in weather.- Success Criteria: Illustrate the water cycle and explain its importance. |
| 4 | <p>Severe Weather Events</p> <ul style="list-style-type: none">- Objective: Investigate different severe weather events (storms, floods).- Success Criteria: Compare and contrast severe weather types and their impacts. |
| 5 | <p>Case Studies on Weather Disasters</p> <ul style="list-style-type: none">- Objective: Analyse specific case studies of weather-related disasters.- Success Criteria: Present findings on a chosen weather disaster, including its causes and consequences. |
| 6 | <p>Human Impact and Adaptation</p> <ul style="list-style-type: none">- Objective: Discuss how humans can adapt to and mitigate weather impacts.- Success Criteria: Create a plan for a community to prepare for specific weather emergencies. |

| Week | |
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| 7 | <p>Climate Change and Weather</p> <ul style="list-style-type: none">- Objective: Explore the link between climate change and weather patterns.- Success Criteria: Summarize how climate change affects weather phenomena. |
| 8 | <p>Presentation and Reflection</p> <ul style="list-style-type: none">- Objective: Synthesize learning through presentations and discussions.- Success Criteria: Deliver a presentation summarizing key learnings and propose solutions for minimizing weather-related damage. |
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