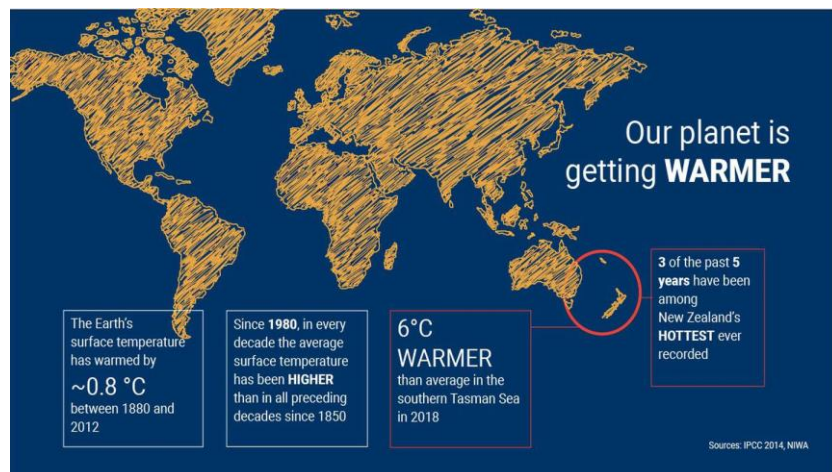
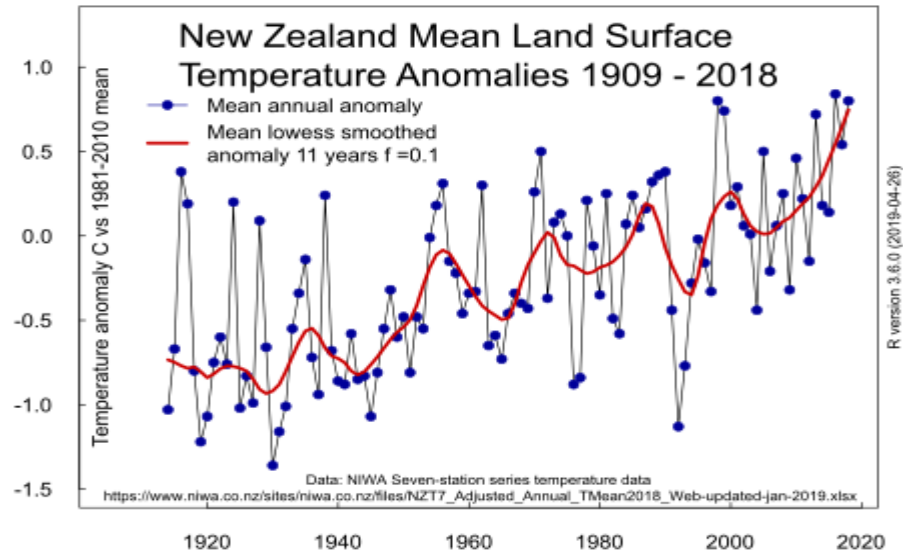


Week 5 – The Week of August 23 to 29, 2021
Lessons 1-3: How Climate Change Affects Us All



Success Criteria

Students will gain an understanding of how global warming and climate change are projected to have a significant impact on our weather and landscape in the coming decades.

Activities:

1. Reading
2. Writing
3. Class Discussion
4. Critical Thinking

Task A: Go to the New Zealand Ministry for the Environment Climate Change site at: <http://www.mfe.govt.nz/climate-change/why-climate-change-matters/evidence-climate-change>

or Google “New Zealand Ministry for the Environment Climate change” and click on the Section “Likely Climate Change Impacts in New Zealand”

This section includes the following headings:

- 1. Higher Temperatures**
- 2. Flooding**
- 3. Water resources**
- 4. Sea-level rise**
- 5. Health**
- 6. Biodiversity**
- 7. Built environment**
- 8. Transport**
- 9. Agriculture**
- 10. Business and finance**

Write a summary of the key impacts that Climate Change is having on the country. Break these impacts up into different categories with separate headings and write your responses in the form of dot points. Work ingroups of 2 to 4.

Social – How is it likely to affect peoples’ lives and health?

Economic – What is the financial toll?

Environmental – What is the physical impact (e.g., flooding, higher temperatures, bigger storms, etc.).

Example:

1. Higher temperatures

Social – How is it likely to affect peoples’ lives and health

- People will have to curtail their outdoor activities and pay close attention to weather alerts when going on extended trips and camping out
- In cooler climates like New Zealand, the winter months may resemble summer conditions so people will do more outdoor activities
- Sporting activities may have to be played at night or inside air-conditioned buildings

Economic – the financial toll.

- People will be spending more money for air-conditioning
- More warm weather crops can be planted
- Some native plants that are used to the cool weather, will suffer heat stress
- More plant and animal diseases will appear
- More insects and pests will appear
- Some animals may not be able to cope with the stress
- People can save money on winter heating (but offset by summer cooling)

Environmental – the physical impact (e.g., flooding, higher temperatures, bigger storms, etc.).

Permanent changes to the landscape may occur including beach erosion