

Yr 9 Elections Assessment



Due date: 31st August 3.30pm

Summary

As part of our Elections context, you will be in groups of 6 according to different political parties. One of the key questions that political parties address are in the climate politics section.

This collaborative assessment is based on your context, and requires you to write a letter encouraging the local council to take an action that will help minimize the impact of climate change within our community (eg a new park, plant trees).

In **Science**, you have explored Climate Change, the impacts of this and how carbon dioxide is a key contributor.

In **English**, you have improved your confidence to verbally address an audience (politics includes speaking to the public).

In **Maths**, you have been looking at transformations (Political parties have a flag/logo to symbolize what they represent).

Detailed instructions

Maths: Create a **Flag or Logo** to represent your Political party.

1. Identify the following for your logo: Axis of symmetry, Order of symmetry.
2. On a coordinate plane, show these transformations: Reflection on a mirror line, Rotation, Translation using vectors, Scaling etc.
3. Research about the invariant properties of Reflection, Rotation, Translation and Enlargement.

Science: Create a **video presentation** on the **socio-scientific** issue of Ocean Acidification and how it can be rectified.

*(A **socio-scientific** issue is a society problem that has a scientific background, or that science can explain or help to solve).*

One of the defining questions of the 2023 elections is “how will AotearoaNZ address climate issues through the **Zero Carbon Bill**.”

Your video presentation needs to include:

- Scientific information on **Ocean Acidification**
- The **impact** of ocean acidification on individuals and society
- Your **personal response** to the ocean acidification
- A response / stance from your political party, with reasons.

Please also submit the **transcript** of your presentation in MHOL SCIENCE (this is the text portion of what you say in your video)

English: **Verbally present** the above Maths and Science content, either F2F to the class, or pre-recorded your chosen parties' promises and vision on New Zealand on your device. Collaborate - work as a TEAM (Together Everyone Achieves More).

You will be assessed on the following presentation techniques:

- a) Tone
- b) Gestures and Facial Expression
- c) Eye Contact
- d) Time (expected 2 min)

Submission for English: **Email your presentation** video file or file link to Mr Singh

Marking rubric:

Science				
Earth's resources	You recognised and described earth's resources	You recognised and described, with examples, earth's resources	You recognised and described in some detail, earth's resources	You recognised and coherently explained earth's resources
Socio-scientific actions	You have started to make connections between science and several of: technology, society, and the environment, related to a socio scientific issue	You made connections between science, technology, society, and the environment, related to a socio scientific issue with some effectiveness	You made connections between science, technology, society, and the environment related to a socio scientific issue with considerable effectiveness.	You made connections between science, technology, society, and the environment related to a socio scientific issue with a high degree of effectiveness.
English				
Public Speaking	<p>You are starting to project your voice to the audience. You may have started to use a natural varied tone</p> <p>You are starting to use one or more presentation techniques [such as body language, gesture, and eye contact.</p>	<p>You clearly projected your voice to the audience and used a natural varied tone</p> <p>You used one or more presentation techniques [such as body language, gesture, and eye contact] with some success</p>	<p>You effectively projected your voice. Your voice is clear and you are starting to use tone and pace for effect some of the time.</p> <p>You successfully used a range of presentation techniques [such as body language, gesture, and eye contact] most of the time.</p>	<p>You used tone and pace for effect/emphasis most of the time</p> <p>You successfully selected a range of presentation techniques [such as body language, gesture, and eye contact]</p>
Maths				
Transformations	You identified and used the basic properties of translation, reflection and rotation	You identified and used properties of translation reflection and rotation	You identified and used more complex properties of translation, reflection and rotation	You displayed complex properties of transformations and also identified their invariant properties
Writing Accuracy	You made errors in grammar, spelling and/or punctuation and these are intrusive at times, consequently the reader has to infer meaning	You made some errors, but minimal reader inference is needed as meaning is mostly clear	You carefully edited your writing to ensure you have few intrusive errors and meaning is consistently clear	You carefully edited your writing to ensure you have no intrusive errors and meaning is consistently clear
Time management	You have not handed in any work	You handed your work in late	You handed your work in on time	You handed your work in on time

