



Mission Heights

GROWING GREATNESS
KIA MANA AKE

Science Assessment - Term 3 2024

Issue Date: 26 August

Due Date: 13 September

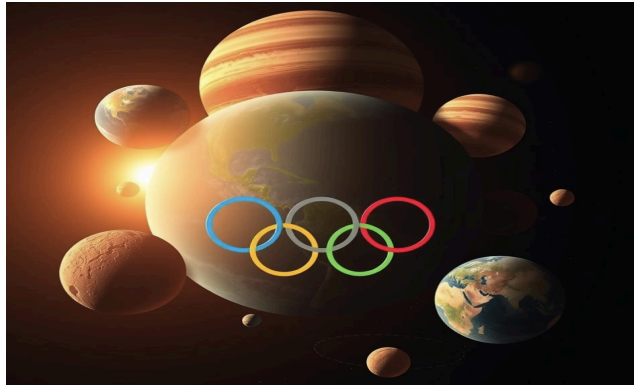
Kia Ora Students,



AS part of our context for this term, ‘how human events promote kotahitanga’ we will be examining how the components of the solar system depend on each other to function, similar to the participants at the Olympics representing their countries to achieve mutual goals.

- The Olympics celebrate human achievement, much like the exploration of space, where athletes push the boundaries of physical capability just as astronauts push the boundaries of our understanding of the universe.
- The planets in our solar system, each unique and diverse, can be seen as representing the variety of sports and athletes who come together on a global stage.
- Just as the Olympic torch travels across nations, our quest to explore the planets ignites a shared sense of discovery and unity among all people.

Task: You are part of the U14 Space Exploration team. You will investigate a planet and present your information to other schools and students.



Your Task will include the following:

- Part 1 - A 2D or 3D hand made drawing/model of the planet with labels. Relevant information about the planet.
- Part 2 - A4 diagram showing the components surrounding Planet Earth.

Part A

- A diagram or model.
- You can use slides/docs/canva
- Choose a Planet to Investigate(Do not choose Earth). Your information can be done on slides or in a poster format.
- Aim to include the following:
- History and exploration, size, temperature, weather, orbit, surface, atmosphere, major features, composition, distance from the sun

Part B

- Investigating Planet Earth and its surrounding components(sun/moon/milky way/stars): Identify the distances between each component and represent your information in a diagram/model.
 - 1) Draw and label: The Earth, moon and sun

2) Add the distances between each component and include a scale.

Useful resources:

- [NASA Solar System Exploration](https://www.nasa.gov/mission/mars/mission-to-earth/index.html)
- [Space: Mission to Earth -- National Geographic Kids](https://www.nationalgeographic.com/missions/space/mission-to-earth/)
- <http://www.space.com/16080-solar-system-planets.html>

L4/ Y8	TOWARDS	AT	ABOVE	BEYOND
<i>Solar system</i>	You have investigated and identified a planet in the solar system.	You have investigated and described a planet in the solar system, including an illustration.	You have investigated and described in detail, a planet of our solar system, including an illustration with labels.	You have investigated and accurately described in detail, a planet of our solar system, including an illustration with detailed labels.
<i>Distances between: Earth components</i>	You have identified the distances between components surrounding Planet Earth.	You have illustrated distances between some components: surrounding Planet Earth	You have illustrated, using a relative scale, distances between some components surrounding Planet Earth.	You have illustrated using a relative scale, distances between various components surrounding our Planet Earth.

Communicating Science	You have used more than one example of scientific symbols, conventions or vocabulary	You have used several scientific symbols, conventions, and/or vocabulary	You have used at least two of: relevant scientific terms, symbols, simple representations, or simple models to communicate effectively	You have used a range of relevant scientific terms, symbols, simple representations, and simple models to communicate effectively
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Writing Accuracy	You have made errors in grammar, spelling and/or punctuation and these are intrusive at times, consequently the reader has to infer meaning	You have made some errors, but minimal reader inference is needed as meaning is mostly clear	You have carefully edited your writing to ensure you have few intrusive errors and meaning is consistently clear	You have carefully edited your writing to ensure you have no intrusive errors and meaning is consistently clear
Time Management	You have not submitted your assessment task after the due date. You have not used your allocated class time effectively.	You have submitted your assessment by the due date. You have not always used your allocated class time effectively.	You have submitted your assessment by the due date. You have used your allocated class time effectively.	You have submitted your assessment by the due date. You have used your allocated class time effectively.
Overall Grade	WORKING TOWARDS Curriculum expectation	Working AT curriculum expectation	Working ABOVE curriculum expectation	Working BEYOND curriculum expectation

