



# Assessment guide

Physical World is the primary strand of the Rocket Challenge. You can assess ākonga using this guide or any of the additional assessment documentation.

Ākonga can also present a collection of their mahi and learning for assessment. This could be a video, PowerPoint presentation, short pieces of writing or pictures, an essay or a voice recording. This assessment is ākonga led, enabling them to be directive and purposeful in their own learning and success.



## Science L3

### Physical inquiry and physics concepts:

Identify and describe how movement and forces effect the motion of rockets.

Assess through observation, conversation and by questioning ākonga on their rocket designs, the construction and improvement of their rockets and the rocket test flights. Alongside this, kaiako can use the ākonga activity 'Fact card frenzy', and specifically their answers for card topics number 1 and 2, to assess ākonga knowledge and understanding on forces of flight and Newton's laws.

#### Ākonga

Attempts to explore/describe/draw, to show a limited understanding of Newton's laws and how forces effect the motion of their water rocket.

Is beginning to explore/describe/draw, to show a basic understanding of Newton's laws and how forces effect motion of their water rocket.

Is able to and is confident about exploring/describing/drawing, to show a thorough understanding of Newton's laws and how forces act on the motion of their water rocket.