

Outcomes and experiences S3 Physics	G	O	R	How do I know I can do this or what can you do to improve your learning in this outcome?
I can define and use the following space terms planet, dwarf planet, moon, sun, asteroid, solar system, star, exoplanet, galaxy, universe				
I am aware of the following challenges to space travel <ul style="list-style-type: none"> • Travelling large distances • Moving spacecraft in a zero friction environment • Energy supplies for spacecraft and crew 				
I am aware of the risks associated with manned space exploration <ul style="list-style-type: none"> • Large fuel load on take off • Exposure to radiation • Pressure differences • Re-entering the Earth's atmosphere 				
I can explain space travel, rocket launch and rocket landing by using Newton's Laws				
I can carry out calculations for different locations throughout the universe using <i>W = mg</i>				