

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 explain the motion of a satellite by using the principles behind Newton's Thought Experiment				
I can classify satellites into one of two groups – artificial or natural				
I can define the period of a satellite as - the time it takes to complete on orbit of planet Earth				
I can explain why satellites in lower orbits (e.g. 200 km for Earth mapping) will have shorter periods than those in higher orbits (e.g. 36000 km for geo-stationary)				
I can define a geo-stationary satellite as having a period of 24 hours				
I can identify situations in which satellites can be used including communications, GPS and data gathering (e.g. weather)				
I can explain the use of parabolic reflectors to send/receive signals in satellite communications				
I can carry out calculations on satellite communications using $d = \bar{v}t$				