

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 am aware of the advantages and disadvantages associated with generating electricity from nuclear power stations				
I can identify the main parts and processes of a nuclear power station				
I can define nuclear fission as being a process in which a large nucleus can be split, causing the release of large quantities of energy				
I can explain that a chain reaction happens when a large nucleus is split by nuclear fission causing many other nuclei to undergo nuclear fission				
I can explain that the controlled release of energy from a chain reaction can be used in a nuclear power station				
I can define nuclear fusion as being a process in which two small nuclei fuse together to form a slightly larger nucleus causing the release of large quantities of energy				
I can describe the difficulties in generating electricity from nuclear fusion reactions e.g. plasma containment				