

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 electrical power as a measure of the energy transferred electrically to an appliance every second				
I can compare the power consumption of appliances by considering the type of energy that they produce				
I can explain the reasons why an appliance may not operate at 100% efficiency				
I can calculate the energy efficiency of an appliance by using the following formula $\% \text{ efficiency} = \frac{\text{useful } E_o}{E_i} \times 100\%$				
I can calculate the power efficiency of an appliance by using the following formula $\% \text{ efficiency} = \frac{\text{useful } P_o}{P_i} \times 100\%$				
I can explain why making appliances efficient is important for the environment				