

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 describe the EM spectrum as a family of transverse waves which all travel at the speed of light $3 \times 10^8 \text{ ms}^{-1}$				
I can carry out calculations on the EM spectrum using the formula $v = \frac{d}{t}$ $v = f\lambda$				
I can identify the members of the EM spectrum <i>(radio, microwaves, infrared, visible light, ultraviolet, X-rays, gamma rays)</i> by considering their relative frequency and wavelength values				
I can describe a <ul style="list-style-type: none"> <li>• Source</li> <li>• Detector</li> <li>• Application</li> </ul> for each member of the EM spectrum				
I can identify the hazards associated with exposure to the EM spectrum				
I can identify methods that can be used to lower the risks when exposed to members of the EM spectrum				