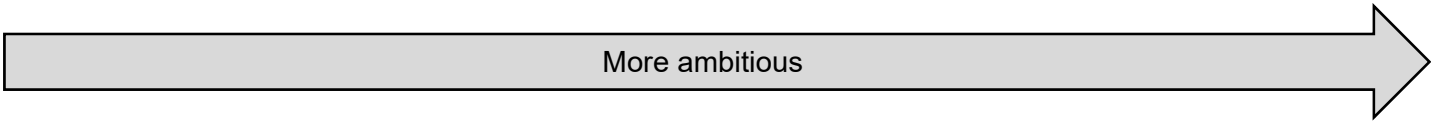


We will learn: P1.3 Light

Element				
1. Knowledge: P1.3.1 Light	Describe how light interacts with materials State the Speed of Light	Describe the difference between luminous or non-luminous objects Classify materials as transparent, translucent or opaque	Calculate the distance travelled by light in a light-year	
2. Knowledge: Reflection	Identify examples of specular reflection and diffuse scattering	Explain how images are formed in a plane mirror	Draw a ray diagram showing how an image is formed in a plane mirror	
3. Knowledge and skills: Refraction	Describe what refraction is.	Describe what happens to light as it moves between materials in relation to the normal	Draw accurate ray diagrams taking into account refraction and describe them fully	
4. Knowledge: The eye and the camera	Label the parts of the eye and explain what they do	Describe some similarities and differences between the eye and a camera	Explain the similarities and differences between the eye and a camera	
5. Knowledge: Colour dispersion	State what happens to light when it passes through a prism	Describe/explain what happens when light passes through a prism		
6. Knowledge: Coloured light	State the primary and secondary colours of light	Describe how primary colours add to make secondary colours	Explain how filters and coloured materials subtract light	Predict how coloured objects will appear given different coloured lights and filters

