



Assessment grid			
Subject: Science		Year: 7	Topic/module: Light
KS4 target direction	4	6	8(9)
Advanced	Enrichment/extension – reaching, or part of, next pathway → Features of work may include:	Enrichment/extension – reaching, or part of, next pathway → Features of work may include:	Enrichment/extension Features of work may include:
Secure <i>Students must achieve competence in all statements before being judged 'Secure'</i>	Secure The student can: <ul style="list-style-type: none">Describe some ways that light interacts with materialsDescribe the features of a mirror imageIdentify examples of specular reflection and diffuse scattering.Describe what happens when light is refractedName parts of the eye and the cameraState what happens to light when it passes through a prismState the primary and secondary colours of lightState the effect of coloured filters on light	Secure The student can: <ul style="list-style-type: none">Describe what happens when light interacts with materialsExplain how images are formed in a plane mirrorExplain the difference between specular reflection and diffuse scatteringDescribe and explain what happens when light is refractedDescribe how the eye worksDescribe how a simple camera forms an imageExplain what happens when light passes through a prismExplain how filters and coloured materials subtract light	Secure The student can: <ul style="list-style-type: none">Predict how light will interact with different materialsDraw a ray diagram showing how an image is formed in a plane mirrorApply the concept of specular reflection and diffuse scattering to models and other examples.Predict the path of light using a model of light refractionExplain how the eye forms an imageCompare a simple camera with the eyeExplain the formation of secondary coloursPredict how coloured objects will appear given different coloured lights and filters
Developing	Mostly secure – one or more gaps For example:	Mostly secure – one or more gaps For example:	Mostly secure – one or more gaps For example:
Beginning	Significant gaps	Significant gaps	Significant gaps