

Subject	Year	Term
Science	7	1
Topic		
7P1 Waves and Space		
Content (Intent)		
Prior Learning (Topic) Light – year 6 and Space – year 5		
<ul style="list-style-type: none"> recognise that light appears to travel in straight lines use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them describe the movement of the Earth and other planets relative to the sun in the solar system describe the movement of the moon relative to the Earth describe the sun, Earth and moon as approximately spherical bodies use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky 		
Future Learning (Topic) 10P3 Waves		
How will knowledge and skills be taught? (Implementation)	How will your understanding be assessed & recorded (Impact)	
<p>Practical work: Sound: generation of sound, sound passing through materials, hearing and sound detection Light: reflection, refraction experiments</p> <p>Written work: Space: diagrams depicting solar system Waves: diagrams depicting waves</p>	<p>- 2 x standard homeworks (Level given. Written feedback. Response expected.) -1 x end of topic test (Level given. Verbal feedback to class and individuals.)</p>	
How can parents help at home?		
<p>Look at the topic specific resources on the VLE Use appropriate youtube channels: cognito, primrosekitten, khan academy, freesciencelessons. Take an interest! Ask your children what they have learnt and be curious with them.</p>		
Helpful further reading/discussion		
<p>Reading George's Secret Key to the Universe, L.Hawking, 2008, Corgi Childrens</p>	<p>Vocabulary Lists TRANSVERSE LONGITUDINAL ENERGY WAVELENGTH FREQUENCY STAR SPACE PLANET</p>	<p>Careers Links Physicist Engineer Environmental engineering Energy companies</p>