

High Tunstall College of Science Curriculum Intent

Subject: Physics Year: 8

Thread 6— Waves and space



	Physics Thread 6	Progress		
Topic	Key ideas	R	A	G
Waves and space	I can explain what is meant by superposition of waves			
	I can compare and contrast transverse and longitudinal waves			
	I can explain how light is refracted			
	I can explain how and why we see colour, and how prisms work			
	I can relate ideas of gravity to what I have learnt about planets in our solar system			

Lesson	Learning Focus	Assessment	Key Words
1	What is superposition?	Application task	Waves , superposition
2	How are waves different from each other?	Completion of SOLO tasks	Transverse , longitudinal, frequency, amplitude, oscillations
3	What happens when light changes speed?	Application of refraction to different problems	Refraction , light, normal
4	Why do we see different colours?	Completion of problem solving tasks	Colour, prism, absorption, transmission, reflection
5	How does gravity change in space?	Correct completion of calculations	Gravity , force, mass, weight