

# High Tunstall College of Science Curriculum Intent

Subject: Physics Year: 7

## Thread 6—Waves and space



	Physics Thread 6	Progress		
Topic	Key ideas	R	A	G
Waves and space	I can describe sound waves			
	I can explain how echoes are formed			
	I can describe light waves			
	I can investigate how light waves are reflected from plane surfaces			
	I can identify the main structures of the eye and give their functions			
	I can describe and explain the composition of our solar system			
	I can explain why we have day , night and years			

Lesson	Learning Focus	Assessment	Key Words
1	What are sound waves?	Green Pen review of task	Wave, longitudinal, sound, amplitude, volume, frequency, pitch
2	How are echoes formed?	Conclusions made from practical work	Sound, wave, reflection, speed
3	What are light waves?	Completion of differentiated activity	Light, wave, transverse, amplitude, frequency, wavelength
4	How is light reflected?	Completion and conclusion based on practical work	Reflection, wave, angle of incidence, angle of reflection
5	What is the function of the eye?	Correct completion of tasks	Eye, lenses, cornea, sclera, optic nerve, retina
6	What makes up our solar system?	Completion of Space holiday task	Planet, space, solar system, universe, star
7	Why do we have day, night and years?	SOLO completion	Axis, day, night, rotation, years