

# High Tunstall College of Science Curriculum Intent

Subject: Physics Year: 8

## Thread 5—Magnets and electromagnetism



	Physics Thread 5	Progress		
Topic	Key ideas	R	A	G
<b>Magnets and electromagnets</b>	<b>I can investigate magnetic fields</b>			
	I can carry out practical work to identify which magnets are stronger			
	I can describe the Earth's magnetic field and use it to describe some phenomena			
	<b>I can build and electromagnet and identify factors that affect it</b>			

Lesson	Learning Focus	Assessment	Key Words
<b>1</b>	What fields do different magnets have?	Completion of practical work	<b>Field line</b> , attract, repel, pole
<b>2</b>	Which magnet is the strongest?	Conclusions made from practical tasks	Independent, dependent, controlled conclusion
<b>3</b>	How can we use the Earth's magnetic field?	Completion of SOLO tasks	<b>Magnetic field</b>
<b>4</b>	How do we make electromagnets?	Completion of practical work	Magnets, electromagnet
<b>5</b>	How can we increase the strength of an electromagnet?	Conclusions made from practical work	Magnets, electromagnets, coils, strength