

# High Tunstall College of Science Curriculum Intent

Subject: Physics Year: 7

## Thread 5 — Magnets and electromagnetism



	Physics Thread 5	Progress		
Topic	Key ideas	R	A	G
Magnets and electromagnets	<b>I can identify magnetic materials</b>			
	I can explain the difference between contact and non contact forces			
	<b>I can use my knowledge of magnets to identify known and unknown poles</b>			
	<b>I can explain how to plot a magnetic field</b>			
	I can describe how to investigate the force of magnetism			
	I can explain how we can use the Earth's magnetic field, applying this to compasses			

Lesson	Learning Focus	Assessment	Key Words
1	What is magnetism?	Green Pen review of task	Magnetism, north, south, pole, contact, non-contact, force
2	How do we identify unknown poles?	Conclusions made from practical work	<b>Attract, repel</b> , poles
3	How do we plot magnetic fields?	Conclusions made from practical work	Magnetic field, attract, repel, poles
4	How can we investigate the strength of magnetism?	Self assessment of practical work	<b>Magnetic field</b> , attract, repel, force, Newton meter
5	How can we use the Earth's magnetic field?	Completion of SOLO tasks	Magnetic field, poles, attract, repel