High Tunstall College of Science Curriculum Intent

Subject: Trilogy Physics Year: 11

Magnetism and Electromagnetism

	Physics Thread	Progress		
Topic	**Key ideas**	**R**	**A**	**G**
Magnetism and electromagnetism	I can draw a magnetic field and identify north and south poles based on direction of field lines			
	I can Explain how the left and right hand grip rule is used.			
	I can explain why a coil spins using a permanent magnet and a coil carrying current.			

Lesson	Learning Focus	Assessment	Key Words
1	Review of magnetic fields and field lines	Draw a magnetic field and identify north and south poles based on direction of field lines. Formative questioning, exam questions and summative tests	Field Line, Pole, Magnetism
2	Investigation and exploration of the right hand grip rule and left hand rule	Explain how the left and right hand grip rule is used. Formative questioning, exam questions and summative tests	Interaction, Temporary, Permanent, magnetic field, electromagnetic
3	Understanding the motor effect	Explain why a coil spins using a permanent magnet and a coil carrying current. Formative questioning, exam questions and summative tests	Current, magnetic field, repulsion, pole