High Tunstall College of Science Curriculum Intent

Subject: Physics Year: 10

Magnetism and Electromagnetism

	Physics Thread	Progress		
Topic	**Key ideas**	**R**	**A**	**G**
Magnetism and electromagnetism	I can write a method and explain how temporary magnetism can be induced.			
	I can draw a magnetic field and explain how to use the right hand grip rule			
	I can explain real life applications of how electromagnets make things work			
	I can explain how to magnetic fields interact to cause movement.			

Lesson	Learning Focus	Assessment	Key Words
1	Explore how magnetism can be induced.	Write a method and explain how temporary magnetism can be induced . Formative questioning, exam questions and summative tests	Temporary, polarity, induced
2	Review of magnetic fields and field lines and introducing the right hand grip rule	Draw a magnetic field and explain how to use the right hand grip rule. Formative questioning, exam questions and summative tests	Field Line, Pole, Magnetism
3	Application of electromagnetism	Explain real life applications of how electromagnets make things work .Formative questioning, exam questions and summative tests	Current, magnetic field, repulsion, attraction, pole
4	Introduction to the motor effect and Flemings left hand rule	Explain how to magnetic fields interact to cause movement. Formative questioning, exam questions and summative tests	Current, magnetic field, repulsion, permanent, temporary