



St. Francis Xavier's RC Primary School

Science Unit Guidance and Formative Assessment

Year Group:	3 Summer	Subject:	Science
Unit:	Forces and magnets	Prerequisite Learning and Curriculum Links	<p>EYFS ELG The Natural World Explore the natural world around them, making observations; know some similarities and differences between the natural world around them and contrasting environments; understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.</p> <p>Year 1: Materials- classify materials as magnetic or non-magnetic</p>

ROCKS (Remembering Our Curriculum Knowledge and Skills)	
Compare the force of friction on different surfaces	
Compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials.	
Describe how a magnet has two poles: a north pole and a south pole	
Predict whether two magnets will attract or repel each other based on the direction of the poles attract some materials and not others.	
Progressive Journey:	Skills:
Freeze frame scenarios and identify pushing and pulling forces Conduct an experiment to measure which materials generate the most friction What is a magnet? Learn about magnetic fields Test if different materials and magnetic or non-magnetic Identify that a magnet has a north and south pole Investigate the strength of different magnets, including bar, button, ring and square Understand that where two alike poles meet, magnets will repel each other Create a compass using magnets	Create a labelled diagram using scientific vocabulary Compare how things move Group and classify objects Make predictions about which surface will generate the most friction Draw conclusions from results Reflect on whether initial predictions were correct or incorrect Carry out a fair test by keeping some variables the same Take accurate measurements using rules and stopwatches
Key Vocabulary	
Magnet, force, attract, repel, friction, comparison, non-magnetic, push, pull, magnetic field, energy, interaction, north pole, south pole, compass, classify	