

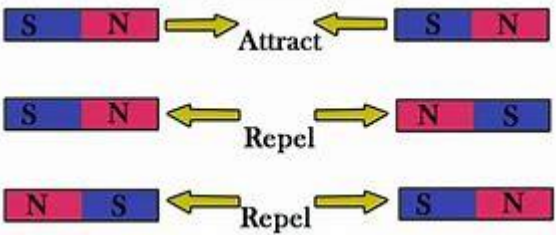


ALMOND HILL JUNIOR SCHOOL MEDIUM TERM PLAN

TOPIC TITLE/SUBJECT: Science – Forces and Magnets

YEAR GROUP: 3

TERM Autumn 1

<p>Vocabulary</p> <p>force, push, pull, gravity fair test, investigate, contact, magnet, magnetism, magnetic, non-magnetic attract, attraction, repel, repulsion, poles, north, south, time, record, force results, table, theory, measure</p>	<p>Skills (<i>key skills for the unit in bold</i>)</p> <ul style="list-style-type: none"> • Design a fair test • Asking relevant questions • Observing outcomes • Taking accurate measurements • Gather and record data accurately in a variety of ways • Interpreting data • Drawing conclusions 	<p>What we already know</p> <p><u>KS1 – Knowledge</u></p> <ul style="list-style-type: none"> • Y2/Sp1 - Shapes of solids objects can be changed by squashing, bending, twisting and stretching • Y2/Sp1 – What can ‘pushes and pulls’ do? – Design and make a catapult • Y2/Sp2 – Mars is a planet – gravity <p><u>KS2 – Knowledge and Skills</u></p> <ul style="list-style-type: none"> • Y3/A2 – Rocks - Different surfaces ‘feel’ different • Gathering data / creating and interpreting bar charts (Maths) • Measurements – rulers (Maths) • North and South pole (Geography map work)
<p>Illustration</p> 	<p>Application/ Outcomes</p> <ul style="list-style-type: none"> • Classify actions as a push or a pull • Plan and conduct investigation to compare the amount of force needed to move a toy vehicle on different surfaces • Explore magnetism – ask and answer questions • Plan and carry out a fair test exploring magnetism • Predict and theorise on which items will be magnetic • Methodically test, classify and sort items / materials on which items are magnetic. • Learn about magnets and their poles and how / when these repel and attract. 	<p>Concepts</p> <ul style="list-style-type: none"> • Gravity • Magnetic forces • A force is a push or a pull • Friction
<p>Other/Cross Curricular Links with English/Maths/Adaptation for SEND Maths – measure, compare, add and subtract: lengths (m, cm, mm) Maths – Statistics – interpret and present data using bar charts, pictograms and tables Geography – compass points (North / South)</p>		