Year 2 / 3 - Woodpeckers

<u> Science - Scientist Study</u>

Spring 1A

Question - Do you need to touch something	to make it move?
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What I should already know : Children will have investigated if wheels are needed for travel and have learnt about Sir Isaac Newton in the Scientist Study.

1. 2. 3.	nquiry Questions: Can we explore contact and non-contact forces? Can we compare how things move on different surfaces? Can we explore the different types of magnets? Can we explain the properties of magnets?	Key VocabularyScientific Skills★ Attract ~ to pull or draw something towards itself.Pupils will:★ Bar magnet ~ a cuboid shaped magnet.Skills and Knowledge (Forces and magnets)★ Contrast - to find differences between things.Skills and Knowledge (Forces and magnets)★ Compare - finding similarities between objects.FM1) Compare how things move on different surfaces.★ Compass ~ an instrument that shows direction with a magnetised pointer.FM1) Compare how things move on different surfaces.★ Experiment - a scientific test.Forces - something that can change an object's movement.★ Gravity - a force that makes things fall to the ground, It is a pull force.FM3) Observe how magnets as having two poles.★ Group - to put things together.FM6) Predict whether two magnets will attract or repel
6.	magnetic forces can act at a distance? Can we explain the everyday use of magnets?	 Impact- the effect or influence something has. Magnets ~ an object that attracts or repels certain materials. Magnetic field ~ the area around the magnet from each pole. Observe - to watch something carefully. Poles ~ each end of the magnet (North and South Pole). Prediction- to make an educated guess. Repel ~ to force back or push away something. Theory - to come up with a scientific idea. WS1) Ask simple questions and understand they can be answered them. WS2) Use straightforward scientific evidence to answer questions or to support findings WS3) Observe closely, using simple equipment / make systematic and careful observations and, where appropriate, take accurate measurements using standard units, using a range of equipment, including thermometers and data loggers. WS4) Perform simple tests / set up simple practical enquiries, comparative & fair tests.

			similarities or changes related to simple scientific ideas and processes. WS6) Use observations & ideas to suggest answers or questions / use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions. WS7) Gather & record data to help answer questions / record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts and tables. WS8) Gather, record, classify and present data in a variety of ways to help answer questions. WS9) Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions. Pupils should read and spell scientific vocabulary correctly.		
Bar Magnet	Horseshoe Magnet	Magnetic Field Bar magnet	Compass		
Links to Other Areas of the Curriculum: Whole class reading, Writing,					