



## When in Rome

### Science: FORCES AND MAGNETS (Please see the scheme of work for more detail)

- Compare how things move on different surfaces
- Notice that some forces need contact between 2 objects but magnetic forces can act at a distance
- Observe how some magnets attract or repel each other and attract some materials but not others.
- Compare and group materials together using a variety of everyday materials on the basis of whether they are attracted to a magnet, and to identify some magnetic materials.
- Describe a magnet as having two poles.
- Predict whether two magnets will attract or repel each other, depending on which poles they are facing.

### Maths Links:

Use mm and cm to compare how far objects slide down different surfaces.

Convert lengths mentioned above.

Create pictograms/ bar graphs using scales of 2,5 or 10.

Compare Naples and London by using pictograms and bar charts.

Use knowledge of fractions and measure to make a fridge magnet.

### Literacy Links:

Write instructions on how to make a fridge magnet

Write a biography of Newton

### History: THE ROMANS

- Place the Roman empire on a timeline.
- Ask key questions about the Romans.
- Use a range of sources to find out about the Romans.
- Study the Romanisation of Britain and its impact today.
- Know the main Roman leaders (Marius, Caesar, Augustus and Nero)
- Research and understand the power of the Roman army.
- Learn about Claudius's successful conquest including Hadrian's wall.
- Understand Julius Caesar's attempted invasion in 55-54 BC.
- Find out who Boudicca was, her revolt and what happened after the revolt.
- Study Pompeii to find out more about the life of the Romans.
- Find out how the Romans changed Britain after they left.

### MATHS LINKS:

- Order and compare numbers up to 1 000 by looking at a timeline.
- Place different civilisations on a timeline based on given years.
- Solve word problems about the Roman army involving fractions.
- Learn about Roman numerals.
- Apply Roman numeral knowledge to solve puzzles and problems.

### Geography: ITALY

- Use an atlas to locate Italy.
- Locate the volcanoes of Italy on a map and identify any patterns.
- Learn about Mount Vesuvius.
- Look at different types of land use in Naples and compare this to South-East England.
- Learn about the natural resources including food, energy, minerals and water in Naples.
- Know the main features of a volcano and how it changes land.
- Compare the differences and similarities of Naples and London.

### MATHS LINKS

- Compare data about Naples and London.
- Present information about volcanoes in line graphs or bar charts.

### Art: CREATE A ROMAN MOSAIC

- Compare different Roman mosaics
  - Apply their materials and processes to produce a mosaic.
  - Combine visual and tactile qualities of materials.
  - Develop control of tools and techniques.
  - Compare ideas, methods and approaches.
  - Say what they think about their own and others' work.
- ### CHALLENGE ACTIVITIES FOR THE MORE ABLE:
- Use different and complex approaches for creating a mosaic tile pattern.
  - Experiment with different techniques - e.g. thickness of paintbrushes/strokes and explain which is the best for the purpose.

### D.T: MAKE PHOTO FRAMES FOR A PICTURE OF ITALY.

- Understand the effectiveness of triangulation in structures.
  - Know that some structures are made stable by having a wide base.
  - Disassemble and evaluate familiar products.
  - Find ways of making stable structures.
  - Investigate ways of strengthening paper.
  - Evaluate different methods.
  - Implement prior learning about stiffness and stability into design products.
  - Evaluate products against original design.
- ### CHALLENGE ACTIVITIES FOR THE MORE ABLE
- Use different structures to create photo frames and evaluate how effective they are.

### Music:

- Play in ensemble contexts - using voices and playing instruments with increasing accuracy.

### P.E

(Please follow the Val Sabin scheme of work)  
Games, gymnastics and dance

<ul style="list-style-type: none"> <li>• Improvise music for a range of purposes using the interrelated dimensions of music.</li> <li>• Listen with attention to detail to sounds</li> <li>• Appreciate and understand a wide range of high quality live and recorded music.</li> <li>• Develop an understanding of the history of music.</li> </ul>	
<ul style="list-style-type: none"> <li>• <b>R.E: (Follow the Southwark agreed syllabus)</b></li> <li>• <b>Christianity (units 5 and 6)</b></li> </ul>	
<p><b>Computing: CODING, PROGRAMMING AND COMPUTER GAMES</b></p> <ul style="list-style-type: none"> <li>• Create and edit flow diagrams to break down a sequence (eg traffic lights) into smaller steps</li> <li>• Create more complex programs using symbols and text to achieve an outcome on screen</li> <li>• Explore the variables in a range of simulations and relate to real life applications and situations</li> <li>• Create simple interactive computer games and activities</li> </ul> <p>Identify and de-bug errors in their own/others code</p>	
<p><b>Entitlement and enrichment:</b> Crofton Roman Villa, the British Museum, link Vesuvius and forces by making a model volcano, trip to Veolia recycling plant to look at how magnets work,</p>	
<p><b>Topic writing links: (please teach during Friday's literacy lesson and work in topic/Science books)</b></p> <ul style="list-style-type: none"> <li>• Write a short fact file about one of the Roman leaders</li> <li>• Write an interview with one of the Roman leaders</li> <li>• Write a description of a Roman centurion</li> <li>• Write a letter home from a Roman centurion's point of view</li> <li>• Write an eye witness account about Caesar's invasion.</li> <li>• Write a rap about Boudicca</li> <li>• Write a guide to Pompeii</li> <li>• Write a non-chronological report about the Romans - focus on food, houses, education, religion etc</li> <li>• Write an eye-witness account of a volcano erupting</li> <li>• Write a postcard from Naples</li> <li>• Write a non-chronological report about Naples</li> <li>• Retell a Roman myth</li> <li>• Write an explanation of how a volcano erupts</li> <li>• Create an Italian inspired menu (using food originating in Naples)</li> </ul>	<p><b>Literacy books which link to the topic:</b></p> <ul style="list-style-type: none"> <li>-Roman myths and legends</li> <li>-The Roman Beanfeast</li> <li>-Romulus and Remus</li> </ul>
<p><b>Maths topic Links: (work to be in topic/Science books)</b></p> <p>Order and compare numbers up to 1000 by looking at a timeline</p> <p>Place different civilisations on a timeline based on give years.</p> <p>Word problems about the Roman army involving fractions.</p> <p>Learn about Roman numerals.</p> <p>Apply Roman numeral knowledge to solve puzzles and problems.</p>	