St Bartholomew's Knowledge Organiser	Class 3	Autumn 1 Science – Year B	Rocks & Fossils

What we will learn:

In this unit you will learn to;

- Can classify rocks in a range of different ways based on their appearance, using appropriate vocabulary
- Devise a test to investigate the hardness of a range of rocks.
- Devise a test to investigate how much water different rocks absorb.
- Observe how rocks change over time e.g. gravestones or old building.
- Research using secondary sources how fossils are formed.
- Observe soils closely.
- Classify soils in a range of ways based on their appearance.
- Devise a test to investigate the water retention of soils.
- Observe how soil can be separated through sedimentation.
- Research the work of Mary Anning.

Important Vocabulary

Rock, stone, pebble, boulder, grain, crystals, layers, hard, soft, texture, absorb water, soil, fossil, marble, chalk, granite, sandstone, slate, soil, peat, sandy/chalk/clay soil

Science Knowledge

- Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties.
- Describe in simple terms how fossils are formed when things that have lived are trapped within rock.
- Recognise that soils are made from rocks and organic matter.

Science skills we will develop:

- Ask relevant questions and use different types of scientific enquiries to answer them.
- Make systematic and careful observations.
- Record findings using simple scientific language, drawings and labelled diagrams.
- Use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions.
- Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.
- Identify differences, similarities or changes related to simple scientific ideas and processes.
- Use straightforward scientific evidence to answer questions or to support findings.