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| Rocks and Soils |
| Week 1  | Week 2 | Week 3 | Week 4 | Week 5 | Week 6  |
| WALT understand the layers of the earth through the use of film clips, diagrams and playdough | WALT know and compare types of rocks through our learning of sedimentary, igneous and metaphoricWALT use  | WALT understand, identify and describe rocks through practical handling | WALT understand and compare properties of rocks by testing for permeability, density and hardness | WALT understand how fossils are formed  | WALT understand how soil is formed using the story of Roger Rock |
| Key Vocabulary |
| Man-made, natural, igneous, sedimentary, metamorphic, properties, permeable, impermeable, pumice, clay, mouldable, density, buoyancy, durable, weathering, sandstone, basalt, limestone, slate, granite, chalk, observe/observation, magma, volcano, crust, mantle, inner core, outer core, |
| Milestone Indicator |
| • Ask relevant questions.• Set up simple, practical enquiries and comparative and fair tests.• Make accurate measurements using standard units, using a range of equipment, e.g. thermometers and data loggers.• Gather, record, classify and present data in a variety of ways to help in answering questions.• Record findings using simple scientific language, drawings, labelled diagrams, bar charts and tables.• Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.• Use results to draw simple conclusions and suggest improvements, new questions and predictions for setting up further tests.• Identify differences, similarities or changes related to simple, scientific ideas and processes.• Use straightforward, scientific evidence to answer questions or to support their findings.Specific rocks and soils objectives (Essentials Curriculum)Compare and group together different kinds of rocks on the basis of their simple, physical properties.Relate the simple physical properties of some rocks to their formation (igneous or sedimentary).Describe in simple terms how fossils are formed when things that have lived are trapped within sedimentary rock.Recognise that soils are made from rocks and organic matter. |