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| **Outdoor Education Plan** | | | | |
| **Lesson Focus - Understanding Rocks** | | | | |
| **Year Group - Yrs 2 - 5** | | **Term - Five** | **Date – Week 15/5/17** | |
|  | **Outline** | **Curriculum Links/**  **Learning Objectives** | **Health and Safety considerations** | **Equipment** |
| **Session Procedures** | **Before** - Check for rubbish, glass, hazards. Check weather forecast  **During –** Watch that children do not try to cut corners around the school grounds   * Children must wash hands after handling soil   **After** – clear everything away and return any natural objects to their original place  **Clean hands.** | * 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 | Children must be aware of sharp edges and wash hands after touching soil. | Fossils, clay,  Plaster, Spoons,  Rocks, ater,  Jars, Soil , |
| **Introduction and Activity Opportunities** | **How are rocks formed and how do they differ?**  Watch the BP site introductory film on rocks  There are five activities to complete during the lesson with 10/15 minutes at each.  **Activity One – which type of rock are the rocks on the table?**  Group the rocks on the table into the three rock types using the ID cards.  <http://bpes.bp.com/primary-resources/science/ages-7-to-9/rocks/grouping-rocks-activity/>  **Activity Two - match the fossil to its live self**  <http://bpes.bp.com/primary-resources/science/ages-7-to-9/rocks/fossil-card-activities/>  and **make a fossil cast using plaster**.  **Activity Three** – **which rock is the hardest?**  Using the scratch test order the rocks into hardest to softest.  <http://bpes.bp.com/media/2172/LetsRock_Worksheet2.pdf>  **Activity Four** **– What is soil made up of?**  Place soil into a jar and add water. Put the lid on and shake the jar. Leave the water to settle and see what the soil is made up of.  **Activity Five – Make a poster of the Rock Cycle or about Mary Anning**  <http://bpes.bp.com/primary-resources/science/ages-7-to-9/rocks/super-scientists-mary-anning/>  http://bpes.bp.com/primary-resources/science/ages-7-to-9/rocks/rock-formation-and-the-rock-cycle-animation/ | **Vocabulary** |
| Rocks  Sedimentary  Igneous  Metamorphic |
| **Plenary** | **Plenary :**  How are rocks formed? How can we tell how they were formed? What are fossils and how are they formed? What is soil made up of? | **Evaluation** | | |