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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** |
| RocksSedimentaryIgneousMetamorphic  |
| **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** |