

Teacher outline of Rocks and Soils Workshop

5th & 6th Classes

- Welcome and outline of days activities
- Introduction - stories of the Cork Flag – links to Cork Rocks
- Brainstorm
 - ‘Under Our Feet’ – *What, Living Things, Jobs, Tools, Dangers, Uses*
- Mapping Activity

Break @ 20minutes

- Workshop Activities – Rotating Stations
 - **Rock Hounds**
Investigating and identifying a selection of rocks
Testing rock strength (fair test). ‘Which is the hardest rock?’
 - **Soil Sleuths**
Investigating and testing the different materials in soil.
Zooming in – using a microscope to get a closer look
 - **Miners Light**
Designing and Making a safety light for a miner
Evaluating and testing design – how well does it work?
 - **IT (Information Technology) Rocks**
Virtual testing of a selection of rocks - internet activity
Interactive Whiteboard Quiz – properties and uses for rocks
 - **Terrific Trailer**
Designing and making a model trailer to carry rocks from a mine
Evaluating and testing design – can trailer be towed by an electric engine while carrying a load of gravel?
 - **Magnetic Mayhem**
Investigating Magnets. Can any material block the pull of a magnet?
Metals and magnets. Old coins and magnets – notice anything odd?
Can magnets help you find your way?
 - **Additional Activities**
 - Fossil Hunters/Palaeontologists – Find the fossils.
 - Volcano Researchers/Volcanologists – Find out more
- Group Investigation – ‘Water Race’
 - Investigating how water moves through the different materials in a soil. Conducting a fair test.
- Interactive Whiteboard Quiz