

Rock of ages . . .

Investigating rocks at KS2



CEES at Stibbington Centre

If requested a "mix & match" programme of learning activities from different day courses may be selected.

To reduce travel costs it may be possible for 2 classes from the same school to follow 2 different courses on the same day.

At KS1 & 2, CEES Day Course themes at Stibbington Centre, Burwell House, Wisbech Castle and Vine House Farm include:

Science

Exploring the environment
Rocks & soils
Energy & renewables
Habitats & food chains
Plants & minibeasts
Crime Scene Investigation

Geography

Map skills & location
Weather & climate
Exploring a locality
Rivers & water

History

Romans Vikings
Victorians WW1
WW2 Evacuation

Art & design

Eco Art & the environment

English & maths

. . . outdoors

Contact details for further information

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Day Course Information:

Curriculum focus - Science

Aims

- ✓ To learn about how rocks, soils and fossils are formed.
- ✓ To group rocks according to observable characteristics such as appearance and texture
- ✓ To investigate differences between rocks by testing for hardness and/or permeability
- ✓ To discover that rocks are used for a variety of purposes because of their characteristics
- ✓ To make systematic observations using a range of equipment
- ✓ To use scientific evidence to answer questions
- ✓ To recording findings using simple scientific language

Programme *When there are two classes the welcome will be common to both. Classes then separate and sessions A and B are interchangeable before and after lunch. The programme may vary depending on the number and needs of pupils, length of visit and weather conditions.*

Welcome A CEES teacher will welcome your group to the Centre. An introductory demonstration will be used to show the importance of rocks.

Session A

Rock investigations

- Sort rock samples according to features such as appearance and texture, using microscopes to aid observation and classify into igneous, sedimentary and metamorphic.
- Test for permeability and/or hardness to identify suitable rocks for different purposes.
- Investigate the Jurassic rock garden and geological time tunnel.
- Simulate soil forming processes.

Session B: Choice of either

B.1 Investigate the uses of rocks in the built environment of Stibbington village, including weathering of gravestones at the church yard.

OR

B.2 Travel by bus to a nearby disused limestone quarry, discover how rock was formed under the sea and hunt for fossil evidence of creatures that lived in Jurassic times.

Review The day will end with the CEES Rock Song, and prior to departure there will be an opportunity to review and reflect on the day.

NB *If choosing option B2, your bus will be needed to transport the group to the quarry (3 miles). **Please make this clear to your bus company.***

Risk management

See separate "**Guidance notes for safe and effective Day Courses**"

Supervision: For this Day Course our recommended adult:pupil ratio for safety is 1:8 in pre-arranged working groups.

Weather conditions: CEES teachers are aware of daily weather forecasts and may adjust programmes depending on weather conditions on the day. See separate guidance on outdoor clothing and footwear.

Site conditions: CEES teachers will assess site conditions and draw attention to any relevant risks.

Equipment: Instructions are given on the safe use of all equipment.

Unfamiliar surroundings: Pupils are made aware of safe standards of behaviour and are closely supervised by adults at all times.