

## Materials matter . . .

### Exploring materials at KS1



## 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  
WWII 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 recognise differences between natural and human-made materials.
- ✓ To identify different materials and distinguish between objects and the materials from which they are made.
- ✓ To describe and group materials based on their physical properties, including their ability to change shape.
- ✓ To make predictions about materials and how they might change when heated.
- ✓ To recognise hazards and risks when working with materials and with fire.

**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

On arrival a CEES teacher will welcome your group to the Centre and describe the day's programme. A breakfast table setting will be used to introduce a variety of different materials.

#### Session A

A range of activities designed to aid familiarisation with and exploration of materials, including:

- Sort & group materials, including natural and un-natural.
- Observe materials closely and explore their properties.
- Identify materials using various senses.

#### Session B

This session is based outside in the Centre grounds. Activities may include:

- Follow a natural and un-natural materials trail.
- Go on a materials scavenger hunt.
- Create an environmental sculpture using natural materials.
- Predict and observe changes in a variety of materials when heated on an open fire.

#### Review

Prior to departure there will be a chance to reflect on the day.

### 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 1:6 in 4 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 draw attention to any relevant risks.

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

**Fire safety:** A small fire is lit and tended by CEES staff only. Pupils remain at a safe distance, are supervised closely at all times near a lit fire and given clear instructions on expected behaviour.