

Science Overview – Materials

Year 1

Spring Term

Key Question: Where do people live? What was it like to live in a castle?

National Curriculum

- distinguish between an object and the material from which it is made.
- identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock.
- describe the simple physical properties of a variety of everyday materials.
- compare and group together a variety of everyday materials on the basis of their simple physical properties.

SUBSTANTIVE KNOWLEDGE

- To name and identify different materials including: plastic, wood, metal, water, glass, brick, fabric, paper and stone.
- To name the object and the material from which it is made.
- To understand the terminology used to describe materials e.g. bendy, rough, etc.
- To describe the simple physical properties of materials.
- To group materials according to their physical properties.
- To suggest the appropriate materials for objects and give reasons.

Key words:

object
material

Vocabulary:

hard, soft, stretchy, shiny, dull, rough, smooth, bendy, not bendy, waterproof, not waterproof.

Working Scientifically

- Perform simple tests
- Gather and recording data to help in answering questions.
- Identifying and classifying

Enquiry type to cover and enquiry suggestion

Comparative Tests (enquiry type)
Which is the best material for Humpty Dumpty's crash mat?

Learning Milestones /Assessment

- I can...
- Name the listed materials.
 - Say what an object is made from.
 - Group materials by their properties.
 - Suggest the best material for a particular purpose.