

# Science Overview – Materials

## Year One

### Spring Term

#### Key Question: Where do people live?

##### 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

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

#### Key Vocabulary

object, material, hard, soft, stretchy, shiny, dull, rough, smooth, bendy, not bendy, waterproof, not waterproof, absorbent, not absorbent, transparent, opaque.

#### Previous year groups key vocabulary:

#### Disciplinary Concepts

- Performing simple tests
- Gathering and recording data to help in answering questions.
- Identifying and classifying

#### Enquiry type to cover and enquiry suggestion

##### Pattern seeking (enquiry type)

Is there a pattern in the type of materials used to make objects around school?

##### Comparative and fair testing (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.