

## Materials Progression Map Year 1

| <u>Previous Year: Reception</u>   | <u>Current Year: Year 1</u>  | <u>Next Year: Year 2</u>  |
|---|--|---|
| <ul style="list-style-type: none"> <li>• Use all their senses in hands-on exploration of natural materials.</li> <li>• Explore collections of materials with similar and/or different properties.</li> <li>• Talk about the differences between materials and changes they notice.</li> </ul> | <ul style="list-style-type: none"> <li>• Distinguish between an object and the material from which it is made.</li> <li>• Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock.</li> <li>• Describe the simple physical properties of a variety of everyday materials.</li> <li>• Compare and group together a variety of everyday materials on the basis of their simple physical properties.</li> </ul>   | <ul style="list-style-type: none"> <li>• Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.</li> <li>• Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.</li> </ul>                                   |
| <p><u>Learning Values:</u></p> <ul style="list-style-type: none"> <li>-respect</li> <li>-responsible</li> <li>-resourceful</li> <li>-resilient</li> <li>-risk taker</li> </ul>  | <p style="text-align: center;"><u>How can the learning be applied?</u></p> <ul style="list-style-type: none"> <li>-Classify objects made of one material in different ways e.g. a group of object made of metal.</li> <li>• Classify in different ways one type of object made from a range of materials e.g. a collection of spoons made of different materials.</li> <li>• Classify materials based on their properties.</li> <li>-Test the properties of objects e.g. absorbency of cloths, strength of party hats made of different papers, stiffness of paper plates, waterproofness of shelters</li> </ul> | <p style="text-align: center;"><u>Key learning for the topic:</u></p> <p>All objects are made of one or more materials. Some objects can be made from different materials e.g. plastic, metal or wooden spoons.</p> <p>Materials can be described by their properties e.g. shiny, stretchy, rough etc. Some materials e.g. plastic can be in different forms with very different <u>properties</u>.</p> |
| <p style="text-align: center;"><u>Possible stimulus to teach:</u></p> <p>Somebody Swallowed Stanley by Sarah Roberts &amp; Hannah Peck</p> <p>Not a Stick by Antoinette Portis</p> <p>The Adventures of a Plastic Bottle: A Story About Recycling by Alison Inches</p>                        |  |   |

## Key Vocabulary for Materials Year 1

- object,
- material,
- wood,
- plastic,
- glass,
- metal,
- water,
- rock,
- brick,
- paper,
- fabric,
- elastic,
- foil,
- card/cardboard,
- rubber,
- wool,
- clay,
- hard,
- soft,
- stretchy,
- stiff,
- bendy,
- floppy,
- waterproof,
- absorbent,
- breaks/tears,
- rough,
- smooth,
- shiny,
- dull,
- see-through,
- not see-through