## Science Progression of Knowledge and Skills Everyday materials

Key to understanding this document: Black = National Curriculum objectives Red = Knowledge/Skills to be taught Green = Resources to be used
At The Discovery School we understand the importance of our children knowing more, remembering more and doing more. With this in mind, we teach the children the knowledge they require, ensuring they have opportunities for the retrieval of knowledge and the chance to apply new skills during their

| Area of Learning | EYFS | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
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| Everyday <br> materials |  | Working scientifically: Identifying and classifying as part of group. <br> EM1 distinguish between an object and the material from which it is made. Children to use sorting hoops to sort materials into groups (working as small groups). Children then post-it note the name of the material for each hoop. | Working scientifically: <br> Performing a simple test. <br> Using observations to answer simple questions. <br> EM1 identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for different uses. Children to make something e.g. houses. Which |  |  | Working scientifically: Recording data and results of increasing complexity. <br> Taking measurements using a range of scientific equipment. <br> Reporting and presenting findings in a conclusion. <br> EM1 compare and group together everyday materials on the basis of their properties, |  |



|  |  | answers to questions. Gathering and recording data to help answer questions. <br> EM3 describe the simple physical properties of a variety of everyday materials Children are able to identify the basic properties of materials. E.g. Wood is strong. Feely boxes could be used where children put their hand into a box and describe the simple properties of the material. Children record in scaffolded table. <br> Working scientifically: Observing closely using simple equipment. | bend, stretch, squash and twist | $4$ |  | complexity using a table. <br> Using a range of scientific equipment. <br> Reporting results in a conclusion. <br> EM2 know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution. <br> Testing different materials to see which dissolve salt, sugar, vitamin tablet. <br> Working scientifically: Recording data and results. Using range of scientific equipment. <br> Reporting and presenting findings from investigations. |  |
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