|  |  |  |  |
| --- | --- | --- | --- |
| **Year group: 2 Topic/title: Term: Autumn**  **Knowledge, Skills and Understanding**  **Hook:** | | | |
| **Science Skills**  Children should be taught to:   * identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses * find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching. * *Pupils might find out about people who have developed useful new materials, for example John Dunlop, Charles Macintosh or John McAdam.* | **Resources**  A variety of materials including wood/metal/plastic.  Solid object that children can test by squashing, bending, twisting and stretching.  **Key vocabulary**  squashing, bending, twisting and stretching. Hard/soft, stretchy/stiff, shiny/dull, rough/smooth, bendy/not bendy, waterproof/not waterproof, absorbent/not absorbent, opaque/transparent  **Working scientifically:**  *Pupils might work scientifically by: comparing the uses of everyday materials in and around the school with materials found in other places (at home, the journey to school, on visits, and in stories, rhymes and songs); observing closely, identifying and classifying the uses of different materials, and recording their observations.* | **Creative Arts Links**   * *Design, plan and make a toy plane, then evaluate its effectiveness.* * *Using different materials as musical instruments.* | **Suggested Texts/ Reading Links**   * *Lego City- Sonia Sander* |
| **Humanities/ History**   * Lives of significant individuals in the past who have contributed to national and international achievements. Moon landing/ Neil Armstrong * Events beyond living memory that are significant nationally or globally. First aeroplane flight * Christopher Columbus * Neil Armstrong * Mary Seacole- link with BHM | **Resources**   * Simple biographies. * Information books. | **Enrichment** | **Gifted and Talented**   * *Natural and man-made materials* |