

Key Learning in Design and Technology: Year 1

| Design | | | | Make | | | | Evaluate | | | |
|---|----------|------------|------------|---|----------|------------|------------|--|----------|------------|------------|
| <ul style="list-style-type: none"> Use pictures and words to convey what they want to design/make. Propose more than one idea for their product. Use kits/reclaimed materials to develop more than one idea. Model ideas with kits, reclaimed materials. Select appropriate technique explaining: First... Next... Last... Explore ideas by rearranging materials. Select pictures to help develop ideas. Use drawings to record ideas as they are developed. Add notes to drawings to help explanations. Describe their models and drawings of ideas and intentions. | | | | <ul style="list-style-type: none"> Discuss their work as it progresses. Select materials from a limited range that will meet the design criteria. Select and name the tools needed to work the materials. Explain what they are making. Explain which materials they are using and why. Name the tools they are using. Describe what they need to do next. | | | | <ul style="list-style-type: none"> Explore existing products and investigate how they have been made. Decide how existing products do/do not achieve their purpose. Talk about their design as they develop and identify good and bad points. Note changes made during the making process as annotation to plans/drawings. Say what they like and do not like about items they have made and attempt to say why. Discuss how closely their finished product meets their design criteria and how well it meets the needs of the user. | | | |
| Autumn | | | | Spring | | | | Summer | | | |
| Food | Textiles | Structures | Mechanisms | Food | Textiles | Structures | Mechanisms | Food | Textiles | Structures | Mechanisms |
| | | | | Topic: Fire Fire! End Product: Bridge making linked to London Objective and skills: <ul style="list-style-type: none"> Explore how to make structures stronger. Investigate different techniques for stiffening a variety of materials. Test different methods of enabling structures to remain stable. Join appropriately for different materials and situations e.g. glue, tape. Mark out materials to be cut using a template. Use a glue gun with close supervision. | | | | Topic: The Great Outdoors End Product: Preparing and combing a dish healthy food. Objective and skills: <ul style="list-style-type: none"> Develop a food vocabulary using taste, smell, texture and feel. Group familiar food products e.g. fruit and vegetables. Explain where food comes from. Cut, peel, grate, chop a range of ingredients Work safely and hygienically. | | | |
| | | | | Resources Art straws Card to make tubes Lollipop sticks Paper Variety fastening materials e.g, Sellotape | | | | Resources Chopping boards Safe knives Variety of fruit of vegetables | | | |