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Attainment Target: Design and Technology

Level 1

When designing and making, pupils talk about familiar products, particularly what they like or dislike about them. They assemble and rearrange given materials and components in simple constructions. They use simple tools with help where appropriate and talk about what they are going to make or have made.

Level 2

When designing and making, pupils **ask questions and suggest ideas for making things** based on their observations of familiar products and their experience of materials and techniques. They **use pictures and words to convey what they want to do**. They manipulate simple tools safely and **assemble and join materials in a variety of ways**. Pupils talk about what they like or dislike about what they have made.

Level 3

With guidance, pupils **gather information to support their ideas** when designing and making. They draw on their knowledge and understanding from the appropriate programme of study to develop their ideas and **use labelled sketches to show the details of their designs**. Pupils are able to **talk about their choice of materials and components** and use appropriate methods to **cut, shape** and join materials. Their **products are similar to their design intentions** and any **changes are identified**.

Level 4

When designing and making, pupils **gather information independently**, and use it to help generate a number of ideas. Their developing ideas for products **recognise that users have views and preferences**. They **illustrate alternatives** using sketches **and/or models** and **make choices between them**. Pupils plan what they are going to make and how they are going to make it. They select and use appropriate tools and equipment when working with a range of materials, **paying attention to quality of finish and function**. They **evaluate their work as it develops**, bearing in mind their original intentions.

Level 5

When designing and making, pupils **draw upon a variety of sources** to generate a range of ideas. They develop their ideas through discussion, drawing, modelling, and their **understanding of the characteristics of familiar products**. Pupils **produce drawings with dimensions and sequence what they are going to do**. They use a range of tools, materials and **processes safely with increasing precision and control**. They **use measuring and checking procedures** as their work develops, **and modify** their approach if first attempts fail. They evaluate their products by comparing them with their design intentions and **suggest ways of improving them**.

COMMENTS