

Year 1 Design and Technology Skill Progression

Design

- Think:
 - Product - what could we make?
 - Purpose - what is it for?
 - User - who is going to use it?
- 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.
- 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.

Make

- 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.
- 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.

Technical Knowledge

Build structures, exploring how they can be made stronger, stiffer and more stable.

Explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products.

Evaluate

- 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.

Food and Nutrition

- Use the basic principles of a healthy and varied diet to prepare dishes
- Understand where food comes from,

In Year 1, we...

- Investigate mechanisms (Aut 2).
- Plan and prepare healthy meals (Spr 1)
- Explore structure (Sum 1)
- Design and build our own robots (Sum 2).