

Design and Technology Non-negotiables

Year 4

| Developing, planning and communicating ideas | Working with tools, equipment, materials and components to make quality products | Evaluating processes and products |
|---|--|---|
| <p>I can come up with at least one idea about how to create my product.</p> <p>I can take account of the ideas of others when designing.</p> <p>I can produce a plan and explain it to others.</p> <p>I can suggest some improvements and say what was good and not so good about my original design.</p> | <p>I can tell if my finished product is going to be good quality.</p> <p>I am conscience of the need to produce something that will be liked by others.</p> <p>I can show a good level of expertise when using a range of tools and equipment.</p> <p>I can work at my product even though my original idea might not have worked.</p> | <p>I can think of how I will check if my design is successful.</p> <p>I can begin to explain how I can improve my original design.</p> <p>I can evaluate my product, thinking of both appearance and the way it works.</p> <p>I can take time to consider how I could have made my idea better.</p> |

Breadth of study

| Cooking and nutrition | Textiles | Mechanisms & Structures | Electricals |
|--|---|--|--|
| <p>I know what to do to be hygienic and safe.</p> <p>I know what I can do to present my product in an interesting way.</p> | <p>I can think what the user would want when choosing textiles.</p> <p>I can think about how to make my product strong.</p> <p>I can devise a template.</p> <p>I can explain how to join things in a different way.</p> | <p>I can use a range of advanced techniques to shape and mould.</p> <p>I can use finishing techniques, showing an awareness of audience.</p> <p>I can measure carefully so as to make sure I have not made mistakes.</p> <p>I have they attempted to make my product strong.</p> | <p>I can make a simple circuit.</p> <p>I can add things to my circuits.</p> <p>I can alter my product after checking it.</p> <p>I am confident about trying out new and different ideas.</p> |
| <p>Possible topics: Consolidation of Y3 skills in golden time & special days</p> | <p>Possible topics: Purses/dolls related to topic</p> | <p>Possible topics: Pop up/linkage mechanisms - moving story books related to topic</p> | <p>Possible topics: Torches Burglar alarms</p> |