

# Sir John Barrow Primary School Design and Technology Progression

## Level 1

1. I can suggest ideas for making things
2. I can talk about my ideas
3. I can talk about how I can improve my work
4. I can talk about how objects work
5. I can join materials in different ways
6. I can show my ideas by drawing a simple plan
7. I can choose the materials I need
8. I can choose the tools I need
9. I can cut different materials
10. I can follow hygiene rules for using food
11. I can follow rules for working safely
12. I can talk about how I can improve my work
13. I can use simple mechanisms in my work
14. I can use a wide range of materials

## Level 2

1. I can suggest ideas for making things
2. I can talk about my ideas
3. I can talk about how I can improve my work
4. I can talk about how objects work
5. I can join materials in different ways
6. I can show my ideas by drawing and writing
7. I can choose the materials I need
8. I can choose the tools I need
9. I can measure and cut different materials
10. I can follow hygiene rules for using food
11. I can follow rules for working safely
12. I can talk about how I can improve my work
13. I can use mechanisms in my work
14. I can use a wide range of materials, including wood, fabric and clay
15. I can talk about the properties of the materials that I have used

## Level 3

1. I can think of ideas for my work
2. I can think of who would use the product I make
3. I can research using different sources for information to help me make my design
4. I can explain my ideas
5. I can show people my designs by drawing and labelling

6. I can select the tools and materials I need
7. I can measure and mark out carefully
8. I can cut carefully
9. I can use a variety of materials in my work including wood, clay and textiles
10. I can use a variety of methods to join materials together
11. I can follow health and safety rules
12. I can follow food hygiene rules
13. I can use the correct words when talking about my work
14. I can carry out tests on my work and talk about what happened
15. I can talk about how well my product works and how to improve it
16. I know some of the characteristics of different materials
17. I can use mechanisms in my work
18. I understand when different foods are in season
19. I have prepared and cooked food
20. I have disassembled objects to find out how they work
21. I can work on my own and in a group on a large and small scale

#### **Level 4**

1. I can think of ideas for products, how they might be used and who might use them
2. I can look in different places for ideas and information
3. I can explain my ideas in detail
4. I can put together a design brief
5. I can plan independently what I have to do to make my product
6. I can select independently appropriate tools for my work
7. I can suggest different ways of making the product
8. I can solve problems
9. I can explore the qualities of different materials and decide which are best to use
10. I can measure, mark out and cut materials accurately
11. I can strengthen and improve the appearance of my work
12. I can use computer aided design
13. I can use programming
14. I understand and can follow health and safety rules
15. I understand and can follow hygiene rules when using food
16. I can carry out tests to my work and develop it in the light of results
17. I can talk about how well my product is made and how well it matches what it is intended for
18. I know how electrical circuits work
19. I can use electrical components in my work
20. I can use mechanical components in my work
21. I have used a variety of materials in my work
22. I have worked with food and understand how to eat healthily
23. I have investigated and evaluated a product and collected the views of people that use it