

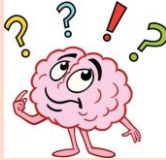




DT STAR Year 1

I can make a prototype

Plan, do, review mine and other's DT

Practise and improve my cooking skills and knowledge

Practise and improve my DT skills and knowledge

Area	I am learning to...
Design 	<ul style="list-style-type: none">• Make a plan for my design• Choose my materials• Choose my tools
Make 	<ul style="list-style-type: none">• Use scissors to cut shapes from fabric and paper, (straight, wavy and zigzag lines)• Fold, tear and roll.• Join materials together with glue or tape to build a structure.• Keep safe when making
Evaluate 	<ul style="list-style-type: none">• Say what is a good feature about a design or product• Suggest improvements
Technical Knowledge 	<ul style="list-style-type: none">• Use levers and sliders• Use DT words: tool, material, fix, join, cut, measure, tear, roll, prototype
Food 	<ul style="list-style-type: none">• Know the 5 main food groups• Know where dairy comes from• Weigh and measure food using non-standard units (cups, spoons)• Cut and chop• Make delicious food

I will build these structures:
Dinosaur (Aut 2)



I will make these mechanism:
Moving Pictures (Summer 1)



I will make:
A superfood smoothie (Spring 1)








DT STAR Year 2

I can make a prototype

Plan, do, review mine and other's DT

Practise and improve my cooking skills and knowledge

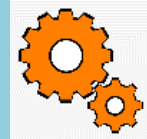
Practise and improve my DT skills and knowledge

Area	I am learning to...
Design 	<ul style="list-style-type: none"> • Make a purposeful plan for my design • Use ICT to label my design • Choose appropriate materials • Choose tools safely
Make 	<ul style="list-style-type: none"> • Join fabric using running stitch or staples • Make simple hinges and pop-ups using card. • Use a hacksaw to cut wood or dowel • Join materials with glue or tape • Keep safe when making
Evaluate 	<ul style="list-style-type: none"> • Find similarities and differences in mine and others work • Say if my product has met my design
Technical Knowledge 	<ul style="list-style-type: none"> • Create and use wheels, axels, levers and sliders • Use DT Vocabulary: attach, ingredients, criteria, components, stronger, stiffer, stable
Food 	<ul style="list-style-type: none"> • Recognise why we need each food group • Explain where food we eat comes from (countries, animals, plants) • Beat, peel, grate ingredients

I will build these structures:
Wheeled Vehicle (Aut 1)



I will make these mechanism:
Drawbridge (Spr 1)



I will make:

Grow ingredients and cook with them (Sum 1)





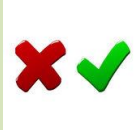


DT STAR Year 3

I can make a prototype

Plan, do, review mine and other's DT

Practise and improve my cooking skills and knowledge

Practise and improve my DT skills and knowledge

Area	I am learning to...
Design 	<ul style="list-style-type: none"> • Make a realistic plan for my design • Use ICT to add detail to my plan • Plan which materials to use • Choose appropriate tools
Make 	<ul style="list-style-type: none"> • Create a simple pattern • Cut slots in card and create nets • Measure and mark wood or dowel • Join fabric using back or whip stitch • Plane, smooth or sand edges • Follow rules to keep safe
Evaluate 	<ul style="list-style-type: none"> • Explore features of existing products • Suggest improvements to my design
Technical Knowledge 	<ul style="list-style-type: none"> • Create and use simple gears, pulleys, cams, levers and linkages • Use DT vocabulary: oversewing, combine, lever, pulley, cam, linkage, technique, plane, pneumatics
Food 	<ul style="list-style-type: none"> • Describe a balanced diet. • Say which foods come from the UK and other countries. • Fold to combine ingredients.


I will make these mechanism:
 Create own predator with a moving part (Spr 1)



I will build these structures:
 Tribal Tool (Spr 2)



I will make:
 Willy Wonka sweet/bar (Sum 1)



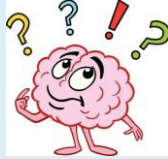




DT STAR Year 4

I can make a prototype

Plan, do, review mine and other's DT

Practise and improve my cooking skills and knowledge

Practise and improve my DT skills and knowledge

Area	I am learning to...
Design 	<ul style="list-style-type: none"> • Research different designs • Make a realistic step by step plan for my design • Choose from selection of materials • Analyse which tool to use
Make 	<ul style="list-style-type: none"> • Selecting method to join materials • Use simple pattern to create life-size item of clothing • Batik fabric • Cut internal shapes • Use a glue gun (1-1) • Use a hand drill
Evaluate 	<ul style="list-style-type: none"> • Describe how the product could be made stronger or more sustainable. • Say what has worked well and what could be improved using research.
Technical Knowledge 	<ul style="list-style-type: none"> • Use pulleys, levers, linkages, motors • Use DT vocabulary: reinforce, substances, characteristics, sustainable, kneading.
Food 	<ul style="list-style-type: none"> • Measure and weigh ingredients accurately. • Kneading • Explain healthy eating choices • Say how foods are preserved or made more appealing.

I will build these structures:

Bivvy/mountain rescue shelters(Spr 1)



I will make these mechanism:

Defence or attack device (Sum 1)



I will make:

Healthy snack and digestive system apron (Aut 1)








DT STAR Year 5

I can make a prototype

Plan, do, review mine and other's DT

Practise and improve my cooking skills and knowledge

Practise and improve my DT skills and knowledge

Area	I am learning to...
Design 	<ul style="list-style-type: none"> • Make a detailed plan, modify based on research. • Select appropriate tools and use with precision. • Select and combine materials.
Make 	<ul style="list-style-type: none"> • Recycle, repair or mend old clothes/tools. • Create a 3D product using different materials and techniques. • Cut safely and accurately to a marked measurement. • Use a chisel • Combine materials with temporary or fixed joints. • Use a glue gun with close supervision. • Test and evaluate against given criteria.
Evaluate 	<ul style="list-style-type: none"> • Research textile artists and say what I like about their work.
Technical Knowledge 	<ul style="list-style-type: none"> • Use cams or gears, motors and switches • Use DT words: precision, plane, CAD, CAM
Food 	<ul style="list-style-type: none"> • Combine ingredients using different methods (Rubbing in) • Explain how foods contribute to a balanced diet. • Say which foods are in season during the year.

I will build these structures:
Bug house (Spr 2)



I will make these mechanism:
Solar system with moving part (Aut 2)



I will make:
Fair-ground party (Sum 2)







DT STAR Year 6

I can make a prototype

Plan, do, review mine and other's DT

Practise and improve my cooking skills and knowledge

Practise and improve my DT skills and knowledge

Area	I am learning to...
Design 	<ul style="list-style-type: none"> • Make detailed criteria for my design using cross section and explored diagrams. • Use complex tools with increasing accuracy. • Choose the best materials for the task.
Make 	<ul style="list-style-type: none"> • Paint, glue, nail and sand to rejuvenate objects. • Combine fabrics to make high quality products, checking for snags or glitches. • Use a craft knife, cutting mat and safety ruler (1-1) • Combine materials with moving joints. • Join materials, using appropriate methods. • Check work as it develops and modify accordingly.
Evaluate 	<ul style="list-style-type: none"> • Demonstrate modifications from evaluation from themselves and others. • Describe how individual designs or technology have helped shape the world.
Technical Knowledge 	<ul style="list-style-type: none"> • Select appropriate mechanical systems for a particular purpose. • Explain form and function of familiar existing products. • Understand and use pneumatics.
Food 	<ul style="list-style-type: none"> • Use appropriate tools and equipment, weighing and measuring. • Say how they can have a healthy and affordable diet. • Explain how ingredients were grown, caught and processed.

I will make:

Titanic Menu - making bread (Aut 1)



I will build these structures:

Victorian Structure - doll's house (Spr 2)



I will make these mechanism:

Electric Game (Sum 2)

