



Design and Technology



Yr6 Select appropriate tools, materials, components and techniques
Assemble components make working models
Use tools safely and accurately
Construct products using permanent joining techniques
Make modifications as they go along
Pin, sew and stitch materials together create a product

YEAR
6

Yr6 Evaluate their products, identifying strengths and areas for development, and carrying out appropriate tests
Record their evaluations using drawings with labels
Evaluate against their original criteria and suggest ways that their product could be improved

Yr6 Communicate their ideas through detailed labelled drawings
Develop a design specification
Explore, develop and communicate aspects of their design proposals by modelling their ideas in a variety of ways
Plan the order of their work, choosing appropriate materials, tools and techniques

Yr5 Evaluate a product against the original design specification
Evaluate it personally and seek evaluation from others

YEAR
5

Yr5 Generate ideas through brainstorming and identify a purpose for their product
Plan how to use materials, equipment and processes, and suggesting alternative methods of making if the first attempts fail
Use results of investigations, information sources, including ICT when developing design ideas

Yr5 Measure and mark out accurately
Use skills in using different tools and equipment safely and accurately
Weigh and measure accurately (time, dry ingredients, liquids)
Cut and join with accuracy to ensure a good-quality finish to the product

Yr4 Evaluate their work both during and at the end of the assignment
Evaluate their products carrying out appropriate tests

YEAR
4

Yr4 Measure, mark out, cut and shape a range of materials, using appropriate tools, equipment and techniques
Join and combine materials and components accurately in temporary and permanent ways
Sew using a range of different stitches (running, cross and back stitch) and weaving techniques.

Yr4 Make labelled drawings from different views showing specific features
Develop a clear idea of what has to be done, planning how to use materials, equipment and processes, and suggesting alternative methods of making, if the first attempts fail
Evaluate products and identify criteria that can be used for their own designs

Yr3 Evaluate their product against original design criteria e.g. how well it meets its intended purpose
Disassemble and evaluate familiar products

YEAR
3

Yr3 Identify a purpose and plan the order of their work before starting
Explore, develop and communicate design proposals by modelling ideas
Make drawings with labels when designing

Yr3 Measure, mark out, cut, score and assemble components with more accuracy
Think about their ideas as they make progress and be willing change things if this helps them improve their work
Measure, tape or pin, cut and join fabric with some accuracy
Use finishing techniques strengthen and improve the appearance of their product using a range of equipment including ICT

Yr2 Evaluate their products as they are developed, identifying strengths and possible changes they might make
Talk about their ideas, saying what they like and dislike about them

YEAR
2

Yr2 Measure, cut and score with some accuracy
Use hand tools safely and appropriately
Assemble, join and combine materials in order to make a product
Cut, shape and join fabric. Use basic sewing techniques

Yr2 Develop their design ideas through discussion, observation, drawing and modelling
Identify a purpose for what they intend to design and make
Identify simple design criteria
Make simple drawings and label parts

Yr1 Evaluate their product by discussing how well it works in relation to the purpose
Evaluate their products as they are developed, identifying strengths and possible changes they might make
Evaluate their product by asking questions about what they have made and how they have gone about it

YEAR
1

Yr1 Draw on their own ideas.
explain what they are going to do.
Model their ideas in card and paper.
Develop their design.

Yr1 Make their design using appropriate techniques
With help measure, mark out, cut and shape a range of materials
Use tools eg scissors. Assemble, join and combine materials using glues or masking tape

EYFS
3D work, clay, dough, boxes, wire, paper sculpture, mod roc

EYFS
Sensory experience
Simple collages, simple weaving

EYFS Constructing - Building and destroying

EYFS Printing with variety of objects fruit/veg, wood blocks. Rubbings

YEAR
R

Draw on own ideas
Explain
Explore
Design
Assemble
Identify
Develop
Generate\Communicate
Evaluate

Respect

Perseverance

Friendship

Responsibility

Trust

Forgiveness

School Values underpin all learning

Dream – Believe - Achieve