Design and technology
Key vocabulary

This document outlines the key vocabulary that is covered across our Design and technology scheme of work.

Strand:
Unit title

- Word

Design and technology vocabulary

Structures: Boats

- Waterproof
- Absorb
- Prediction
- Variable
- Experiment
- Investigation
- Float
- Sink
- Junk

Structures: Junk modelling

- Join
- Stick
- Cut
- Bend
- Slot
- Scissors
- Measure
- Materials
- Fix

Textiles: Bookmarks

- Thread
- Weave
- Pattern
- Sew
- Sewing needle
- Embroider
- Design
- Evaluate

Design and technology vocabulary

KS1 | Year 1

Option 2: Structures: Constructing a windmill

- Base
- Centre
- Design
- Equal
- Evaluate
- Middle
- Rotate
- Rotor
- Rotor Blades
- Sails
- Same
- Stable
- Strong
- Structure
- Test
- Weak
- Wind
- Windmill

Textiles: Puppets

- Decorate
- Design
- Fabric
- Glue
- Model
- Hand puppet
- Safety pin
- Staple
- Stencil
- Template

Cooking and nutrition: Smoothies

- Blender
- Fruit
- Healthy
- Ingredients
- Recipe
- Smoothie
- Vegetable
- Seed
- Root
- Leaf
- Stem
- Flavour
- Design
- Cut
- Juice
- Table knife
- Juicer
- Plant
- Bush
- Tree
- Vine
- Chopping board
- Fork
- Taste
- Select
- Blend
- Evaluate
- Compare

Design and technology vocabulary

KS1 | Year 2

Option 2: Structures: Baby bear's chair

- Function
- Man-made
- Mould
- Natural
- Stable
- Stiff
- Strong
- Structure
- Test
- Weak

Mechanisms: Fairground wheel

- Design brief
- Design criteria
- Evaluate
- Frame
- Model
- Opinion
- Rotate
- Survey

Mechanisms: Making a moving monster

- Evaluation
- Input
- Lever
- Linear motion
- Linkage
- Mechanical
- Mechanism
- Motion
- Oscillating motion
- Output
- Pivot
- Reciprocating motion
- Rotary motion
- Survey

Design and technology vocabulary

Cooking and nutrition: Eating seasonally

- Arid
- Climate
- Complementary
- Country
- Export
- Import
- Mediterranean
- Mock-up
- Mountain
- Peel
- Polar
- Seasonal
- Seasons
- Snip
- Temperate
- Texture
- Tropical
- Weather

Structures: Constructing a castle

- 2D shapes
- 3D shapes
- Castle
- Design criteria
- Evaluate
- Facade
- Feature
- Flag
- Net
- Recyclable
- Scoring
- Stable
- Strong
- Structure
- Tab
- Weak

Design and technology vocabulary

KS2 | Year 3

Digital world:
Wearable technology

- Analogue
- Analyse
- Annotate
- Badge
- CAD
- Control
- Design criteria
- Develop
- Digital
- Digital revolution
- Digital world
- Display
- Electronic
- Fastening
- Feature
- Feedback
- Form
- Function
- Initiate
- Layers
- Loops
- Micro:bit
- Monitor
- Net
- Point of sale
- Product
- Product concept
- Program
- Sense
- Simulator
- Smart
- Technology
- Test
- User

Design and technology vocabulary

KS2 — Year 4

Option 2: Structures: Pavilions

- Aesthetic
- Cladding
- Design criteria
- Evaluation
- Frame structure
- Function
- Inspiration
- Pavilion
- Reinforce
- Stable
- Structure
- Target audience
- Target customer
- Texture
- Theme

Mechanical systems option 2: Making a slingshot car

- Aesthetic
- Air resistance
- Chassis
- Design
- Design criteria
- Function
- Graphics
- Kinetic energy
- Mechanism
- Net
- Structure

Electrical systems: Torches

- Battery
- Bulb
- Buzzer
- Cell
- Component
- Conductor
- Copper
- Design criteria
- Electrical item
- Electricity
- Electronic item
- Function
- Insulator
- Series circuit
- Switch
- Test
- Torch
- Wire

Design and technology vocabulary

Option 2: Electrical systems: Doodlers

- Circuit component
- Configuration
- Current
- Develop
- DIY
- Investigate
- Motor
- Motorised
- Problem solve
- Product analysis
- Series circuit
- Stable
- Target user

Mechanical systems option 2: Making a pop-up book

- Aesthetic
- Computer-aided design (CAD)
- Caption
- Design
- Design brief
- Design criteria
- Exploded-diagram
- Function
- Input
- Linkage
- Mechanism
- Motion
- Output
- Pivot
- Prototype
- Slider
- Structure
- Template

Cooking and nutrition: Developing a recipe

- Abattoir
- Adaptation
- Balanced
- Beef
- Brand
- Cook
- Cross-contamination
- Develop
- Enhance
- Equipment
- Farm
- Label
- Measure
- Nutrient
- Nutrition
- Nutritional value
- Preference
- Press
- Process
- Safety
- Theme

Design and technology vocabulary

Textiles option 1: Bags

- Innovative
- Pattern piece
- Seam allowance

Structures: Playgrounds

- Adapt
- Apparatus
- Bench hook
- Cladding
- Coping saw
- Design
- Dowel
- Evaluation
- Feedback
- Idea
- Jelutong
- Landscape
- Mark out
- Measure
- Modify
- Natural materials
- Plan view
- Playground
- Prototype
- Reinforce
- Sketch
- Strong
- Structure
- Tenon saw
- Texture
- User
- Vice
- Weak

Design and technology vocabulary

KS2 | Year 6

Digital world:
Navigating the world

- 3D CAD
- Application (apps)
- Biodegradable
- Boolean
- Cardinal compass
- Client
- Compass
- Concept
- Convince
- Corrode
- Duplicate
- Environmentally friendly
- Equipment
- Feature
- Finite
- Function
- Functional
- GPS tracker
- If statement
- Infinite
- Investment
- Lightweight
- Loop
- Manufacture
- Materials (wood, metal, plastic etc.)
- Mouldable
- Navigation
- Non-recyclable
- Product lifecycle
- Product lifespan
- Program
- Recyclable
- Smart
- Sustainable
- Sustainable design
- Unsustainable design
- Variable
- Workplane