

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



Food: Soup

- Fruit
 - Vegetables
 - Safety
 - Knife
 - Blade
 - Tool
 - Edge
 - Handle
 - Chop
 - Slice
 - Cut
 - Saucepan
- Blender
 - Chopping board
 - Hob
 - Boil
 - Blend
 - Mix
 - Packaging
 - Recyclable
 - Metal
 - Plastic
 - Reusable

Structures: Junk modelling

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

Textiles: Bookmarks

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



Structures: Boats

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



KS1

Year 1

Mechanisms: Making a moving story book

- Assemble
- Design
- Evaluation
- Mechanism
- Model
- Sliders
- Stencil
- Target audience
- Template
- Test

Structures: Constructing a windmill

- Client
- Design
- Evaluation
- Net
- Stable
- Strong
- Test
- Weak
- Windmill

Textiles: Puppets

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

Notes:

- Blender
- Carton
- Fruit
- Healthy
- Ingredients
- Peel
- Peeler
- Recipe
- Slice
- Smoothie
- Stencil
- Template
- Vegetable

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. In the bottom right corner, there is a small, stylized blue triangle pointing upwards and to the left. The overall appearance is that of a clean, unused piece of stationery or a template for writing.



KS1

Year 2

Food: A balanced diet

- Alternative
- Diet
- Balanced diet
- Evaluation
- Expensive
- Healthy
- Ingredients
- Nutrients
- Packaging
- Refrigerator
- Sugar
- Substitute

Mechanisms: Making a moving monster

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

Structures: Baby bear's chair

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

Notes:

- Axle
- Decorate
- Evaluation
- Ferris wheel
- Mechanism
- Stable
- Strong
- Test
- Waterproof
- Weak

[illegible]



KS2

Year 3

Food: Eating seasonally

- Climate
- Dry climate
- Exported
- Imported
- Mediterranean climate
- Nationality
- Nutrients
- Polar climate
- Recipe
- Seasonal food
- Seasons
- Temperate climate
- Tropical climate

Structures: Constructing a castle

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

Textiles: Cushions / Egyptian collars

- Accurate
- Applique
- Cross-stitch
- Cushion
- Decorate
- Detail
- Fabric
- Patch
- Running-stitch
- Seam
- Stencil
- Stuffing
- Target audience
- Target customer
- Template



KS2

Year 3

Electrical systems: Electric poster

- Battery
- Bulb
- Circuit
- Circuit component
- Crocodile wires
- Electrical product
- Electrical system
- Final design
- Information design
- Initial ideas
- Peer assessment
- Research
- Self assessment
- Sketch

Mechanical systems: Pneumatic toys

- Exploded-diagram
- Function
- Input
- Lever
- Linkage
- Mechanism
- Motion
- Net
- Output
- Pivot
- Pneumatic system
- Thumbnail sketch

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



KS2

Year 4

Structures: Pavilions

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

Food: Adapting a recipe

- Adapt
- Budget
- Cooling rack
- Creaming
- Equipment
- Evaluation
- Flavour
- Ingredients
- Method
- Net
- Packaging
- Prototype
- Quantity
- Recipe
- Rubbing
- Sieving
- Target audience
- Unit of measurement
- Utilities

Textiles: Fastenings

- Aesthetic
- Assemble
- Book sleeve
- Design criteria
- Evaluation
- Fabric
- Fastening
- Mock-up
- Net
- Running-stitch
- Stencil
- Target audience
- Target customer
- Template



KS2

Year 4

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

Mechanical systems: Making a slingshot car

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

Digital world: Mindful moments timer

- | | |
|------------------|---------------|
| • Advantage | • Feedback |
| • Annotate | • Form |
| • Assemble | • Function |
| • Aesthetic | • Join |
| • Block | • Logo |
| • Brand identity | • Loop |
| • Brand | • Mindfulness |
| • Bug | • Model |
| • CAD | • Net |
| • Clipart | • Product |
| • Coding | • Program |
| • Criteria | • Prototype |
| • Debug | • Research |
| • Design | • Script |
| • Develop | • Sketchpad |
| • Disadvantage | • Test |
| • Display | • Timer |
| • Ergonomic | • User |
| • Evaluate | • Variable |
| • Exhibition | |



Food: What could be healthier?

- Beef
- Cross-contamination
- Diet
- Ethical issues
- Farm
- Healthy
- Ingredients
- Method
- Nutrients
- Packaging
- Reared
- Recipe
- Research
- Substitute
- Supermarket
- Vegan
- Vegetarian
- Welfare

Mechanical systems: 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

Textiles: Stuffed toys

- Accurate
- Annotate
- Appendage
- Blanket-stitch
- Design criteria
- Detail
- Evaluation
- Fabric
- Sew
- Shape
- Stuffed toy
- Stuffing
- Template



Electrical systems: Doodlers

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

Structures: Bridges

- Abutment
- Accurate
- Arched bridge
- Beam bridge
- Coping saw
- Evaluation
- File
- Mark out
- Material properties
- Measure
- Predict
- Reinforce
- Research
- Sandpaper
- Set square
- Suspension bridge
- Tenon saw
- Test
- Truss bridge
- Wood

Digital world: Monitoring devices

- Alert
- Ambient
- Boolean
- Consumables
- Decompose
- Development
- Device
- Duplicate
- Durable
- Electronic
- Inventor
- Lightweight
- Man-made
- Manipulate
- Manoeuvre
- Microplastics
- Model
- Monitor
- Monitoring device
- Moulded
- Plastic
- Plastic pollution
- Programming comment
- Programming loop
- Reformed
- Replica
- Research
- Sensor
- Strong
- Sustainability
- Synthetic
- Thermometer
- Thermoscope
- Value
- Variable
- Versatile
- Water-resistant
- Workplane



Food: Come dine with me

- Accompaniment
- Collaboration
- Cookbook
- Cross-contamination
- Equipment
- Farm
- Flavour
- Illustration
- Imperative-verb
- Ingredients
- Method
- Nationality
- Preparation
- Processed
- Reared
- Recipe
- Research
- Storyboard
- Target audience
- Top tips
- Unit of measurement

Mechanical systems: Automata toys

- Accurate
- Assembly-diagram
- Automata
- Axle
- Bench hook
- Cam
- Clamp
- Component
- Cutting list
- Diagram
- Dowel
- Drill bits
- Exploded-diagram
- Finish
- Follower
- Frame
- Function
- Hand drill
- Jelutong
- Linkage
- Mark out
- Measure
- Mechanism
- Model
- Research
- Right-angle
- Set square
- Tenon saw



Textiles: Waistcoats

- Accurate
- Adapt
- Annotate
- Design
- Design criteria
- Detail
- Fabric
- Fastening
- Knot
- Properties
- Running-stitch
- Seam
- Sew
- Shape
- Target audience
- Target customer
- Template
- Thread
- Unique
- Waistcoat
- Waterproof

Electrical systems: Steady hand game

- Assemble
- Battery
- Battery pack
- Benefit
- Bulb
- Bulb holder
- Buzzer
- Circuit
- Circuit symbol
- Component
- Conductor
- Copper
- Design
- Design criteria
- Evaluation
- Fine motor skills
- Fit for purpose
- Form
- Function
- Gross motor skills
- Insulator
- LED
- User



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

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