



Otford Primary School DT Learning Map



Vincent Callebaut
Architect

Construction : Eco
Tourism Bridges -
Mechanism system

Tim Berners Lee



Secondary
transition

Y5/6 New vocabulary: pulleys, cams, driver, follower, levers, linkages, pivot, force, effect, air/water resistance, friction, gravity, Computer-Assisted Design (CAD), net, elevation, linear, rotary, oscillating, parameters, requirements, Robotics, programme, monitor, control, variation, debug, algorithm, software, hardware, justify, synthesise

Ava Lovelace
Computer Scientists



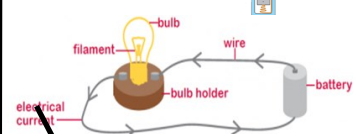
Architect



Mechanism:

Electrical systems

Construction Electrical Torches



Year
4

Y3/4 New vocabulary:

frame, strut, hinge, integrate, process, horizontal, vertical, diagonal, score, saw, hacksaw, bench hook, vice, safety ruler, sandpaper, glue gun, pliers, hammer, pneumatics, syringe, tube, force, compress, pump, piston, inflate, deflate, pressure, hydraulics, function, aesthetic, cross-section, prototype, evaluate, analyse, innovate, adapt, modify, test, electrical components, circuit, series, switch, bulb, buzzer, motor, appliance, conductivity, batteries, cells, wires, exploded diagram, cotton thread, cross stitch, hook and eye, loom, weave, pinking shears, press stud, allowance,

Cooking and Nutrition
Following a recipe



Food and Nutrition

All food comes from plants or animals.
Develop children's peeling and chopping skills.



Charles Eames

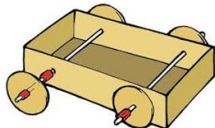
Furniture
Designers -chairs

Charlotte Perriand



Mechanisms

Wheels and axles



Year
1

KS1 New vocabulary:

assemble, structure, audience, user, purpose, function, techniques, equipment, product, reinforce, stiffen, support, finish, components, mechanism, system, input, process, output, wheel, axle, chassis, superstructure, properties, characteristics, measure, design criteria, annotate, label, pattern, template,

New vocabulary: build, construct, cut, shape, join, make, describe, draw, decorate, materials, tools, bead, button, fabric, felt, paper, card, wood, blocks, scissors, sew,

Year
6

Cooking and Nutrition
Create and prepare a multi course meal -Syrian
Mezze



Sustainable fashion Designers

Vivienne Westwood

Stella Mc Cartney



Textiles: Sustainable fashion

Drawstring bags



Cooking and Nutrition: Adapt a recipe

Year 5
Recipe Booklet
Welcome to the kitchen!



Mechanisms:

cogs, cams levers

Construction

Automata Toy

Orrery



Year
5



Textiles: Dyeing, weaving, sewing



Kengo Kuma -
Architect



Construction:
Earthquake proof building



Mechanism:

Pneumatics

Construction:

A moving rainforest
animal



Construction:

A tourist attraction

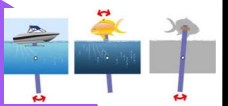
Engineers-Gustave Eiffel

Emily Roebling



Mechanism: Levers and sliders

Construction Pop Up books



Julie Chen

Paper Artist



Waldo Hunt

Pop up books
designer



Matthew Reinhart

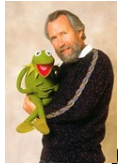
Paper Engineer



Year
2

Textiles: Puppets

Jim Henson Puppet
designer



Early Learning Goal:

EIFS