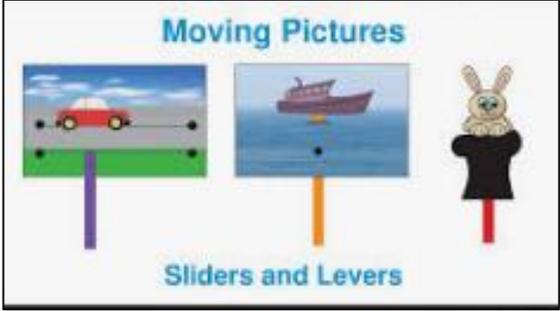
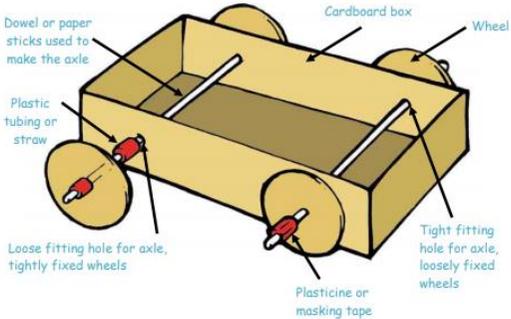


Elsecar Holy Trinity Primary School Design and Technology Long term Overview

Each year group will cover a total of three design and technology units per year. Children will cover one unit of food technology each year. Textiles, mechanisms and structures are covered at least three times during their time in the school. Electrical systems are covered once during their time in the school. Each year group will study at least one famous designer.

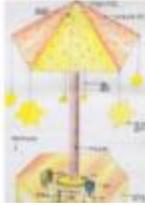
| | AUTUMN | SPRING | SUMMER | Famous designer |
|--------|---|---|--|---|
| Year 1 | <p>STRUCTURES- <u>Freestanding structures</u> Children design and make various model playground equipment focusing on strength and stability. Unit could be linked to Y1 Geography /History topic- Elsecar Park.</p>  | <p>MECHANISM- <u>Sliders and levers</u> Children use sliders and levers to create moving picture.</p>  | <p>FOOD- Children design and make their own fruit smoothie.</p>  | <p>Charles Rennie Mackintosh (1868-1928)</p> <p>Sir Jonathan Ive (Apple) 1967-</p> <p>Nadia Hussain</p> |
| Year 2 | <p>TEXTILES- <u>2D to 3D</u> Children design and make their own Christmas decoration using flat pieces of fabric sewn together and stuffed.</p>  | <p>FOOD- Children prepare their own dippers and make their own dips.</p>  | <p>MECHANISM- <u>Wheels and axels</u> Children design and make a moving vehicle using wheels and axels.</p>  | <p>Zaha Hadid (1950-2016) Architect</p> <p>Jamie Oliver</p> <p>Alec Issigonis (1906-1988)</p> |

| | | | | |
|---|--|--|--|--|
| <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Year 3</p> | <p>TEXTILES- <u>Tote bag</u> Children will design and make a tote bag that will hold and carry objects.</p>  | <p>STRUCTURES- Make a mini indoor Greenhouse</p>  | <p>FOOD - <u>Burgers and coleslaw</u> Children to make their own burger and coleslaw.</p>  | <p>Charles Macintosh (1766 –1843) Nigella Lawson Renzo Piano (1937-)</p> |
| <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Year 4</p> | <p>MECHANISM- <u>Using a CAM</u> Children to design and make their own moving CAM</p>  | <p>FOOD- <u>Bread</u> Children to refine a recipe and make a loaf of bread.</p>  | <p>ELECTRICAL SYSTEMS & STRUCTURES- <u>Light box</u> Children to use electrical system to create a light box.</p>  | <p>Paul Hollywood John Boyd Dunlop (1840 – 1921) James Dyson (1947-)</p> |
| <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Year 5</p> | <p>MECHANISM- <u>Pneumatics.</u> Moving monster/dragon/ creature</p>  | <p>TEXTILES – <u>Pencil case</u> Children to design and sew their own pencil case using a piece of material and a zip.</p>  | <p>FOOD- <u>Pizza</u> Children to refine a recipe and make their own pizza including the dough.</p>  | <p>Coco Chanel (1883–1971) Fashion designer Richard Rogers (1933-) Antonio Carluccio (1937-2017) Steve Jobs (1955-2011)</p> |

Year 6

MECHANISM-

Pulleys and/or gears
Fairground ride



TEXTILES-

Upcycling

Children to use an item of clothing and upcycle it into something new.



FOOD-

MasterChef

Children create and refine savoury recipes.



MasterChef

John Todo

Wright brother

Alexander
McQueen
(1969-2010)