

Year 2 Design and Technology: Mechanisms – Block C

Are bigger wheels always better?

- The outline and structure of the block is as follows:

Lesson 1	Lesson 2	Lesson 3
Understanding how wheels and axles work	Exploring the size of wheels and positioning of axles	Building and testing a simple vehicle



Karl Friedrich Benz (1844 – 1929)
Inventor of the automobile wheel

At the end of this block, pupils will ...	
Know:	Be able to:
How wheels and axles work together	Create a simple wheel mechanism
The size and position of wheels affects how they move	Use wheel mechanisms to propel a simple vehicle

In this block, pupils will learn how wheels and axles work together. They will build simple wheel mechanisms. They will explore how the size of the wheel and position of the axles affects the movement of simple vehicles.

CUSP Design & Technology Long term sequence	Block A	Block B	Block C	Block D	Block E	Block F
Year 1	Mechanisms	Structures	Food and Nutrition	Understanding Materials	Textiles	Food and Nutrition
Year 2	Textiles	Food and Nutrition	Mechanisms	Understanding Materials	Food and Nutrition	Structures
Year 3	Textiles	Food and Nutrition	Mechanisms	Food and Nutrition	Systems	Structures
Year 4	Food and Nutrition	Mechanisms	Textiles	Structures	Electrical Systems	Food and Nutrition
Year 5	Food and Nutrition	Systems	Textiles	Mechanisms	Structures	Food and Nutrition
Year 6	Food and Nutrition	Mechanisms	Food and Nutrition	Structures	Electrical Systems	Textiles