

Design Technology Cycle A 5/6

Electrical systems - More complex switches and circuits - fairground rides

Lesson 1

How can I use research to understand the design and movement of fairground rides?

motion
user
safety

Lesson 2

How can I investigate and understand different types of switches?

series circuit
parallel circuit
names of switches

Lesson 3

How can I use pulleys to create movement in a fun design?

motor
pulley
mechanism

Lesson 4

How can I design a fairground ride using motors and pulleys?

design specification
system
Purpose

Lesson 5

How can I apply my skills to create a fairground ride with moving parts?

function
innovative components

Lesson 6

Assessment

How well does my fairground ride meet the design and how effective is it for the user?

design brief
evaluation

What will we be learning about over the coming weeks?