



Design Question

Can you create a carousel for a specific target audience that fits a certain theme?

Key Knowledge

Design

- An electrical circuit needs a battery, motor, wires and an on switch to make the motor move.
- A pulley makes the carousel rotate.
- An exploding diagram shows different parts of an object
- When designing the carousel, the carousel cannot be too heavy as it will struggle to rotate.

Make

- When making the carousel aesthetically pleasing and following the design, the carousel cannot be too heavy as it will struggle to rotate.
- The pulley and motor need to be on a similar level to ensure that the elastic band allows the pulley to rotate.

Evaluate

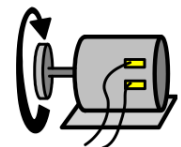
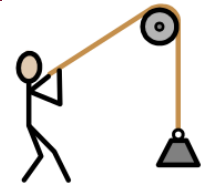
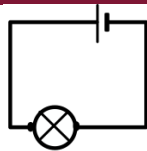
- Current carousels have different themes and target different audiences.
- My carousel may not work straight away, and it will need to be continuously assessed and evaluated throughout the making process.

Pioneers



Walt Disney created Disneyland. He had the idea of Disneyland when he watched his children playing on a carousel. He wanted to create somewhere where all families could have fun together. He called his team of imaginative people and engineers 'imagineers'. He said that as long as there is imagination in the world, Disneyland will keep evolving.

Vocabulary

motor	changes energy into motion.	
pulley	a wheel with a grooved rim around which a cord passes, which acts to change the direction of a force	
aesthetic	pleasing in appearance	
carousel	a type of amusement ride consisting of a rotating circular platform with seats for riders.	
circuit	an Electric <i>Circuit</i> is a conductive path for flow of current or electricity.	
exploding diagram	exploded diagrams show how a product can be assembled and how the separate parts fit together	