

D.T. Knowledge Organiser: Fairground rides

Key question: How does a motor make something rotate?

Skills:

- To select from and use a wider range of tools and equipment to perform practical tasks.
- To be able to understand and use electrical systems in my ride.
- To generate, develop, model and communicate ideas through discussion, and sketches.
- To evaluate my own product when it is finished.

Key Vocabulary:

Construct, temporary joins, permanent joins, rotation, spindle, axle, drive belt, pulley, electric motor, speed, electric circuit, switch, mechanism

Things to know:

- A carousel, roundabout, hurdy-gurdy, or merry-go-round, is a type of amusement ride consisting of a rotating circular platform with seats for riders.
- The "seats" are traditionally in the form of rows of wooden horses or other animals mounted on posts, many of which are moved up and down by gears to simulate galloping, to the accompaniment of looped circus music



Carousel at a theme park (above)



Expected completed project (right)