

Buggies

Construction

Prior Knowledge

Previously, we have learnt about different mechanisms whilst planning and constructing our own beats with movable parts. We have also learnt about circuits during science and learnt about how to draw and build circuits.



How could you improve your design?



My Component Knowledge:

Lesson 1: I can draw a simple sketch of a toy and label the key parts.

Lesson 2: I can make a spinning top.

Lesson 3: I can explore technical systems and make a body shell

Lesson 4: I can design and make a controllable, battery-powered toy vehicle.

Lesson 5: I can design and make a controllable, battery-powered toy vehicle.

Lesson 6: I can evaluate my work and consider how I could improve it

My Composite Knowledge:

I can make design choices specific about my buggy and reason why I have made those choices. I can design and make a chassis for my buggy.

My Powerful Knowledge:

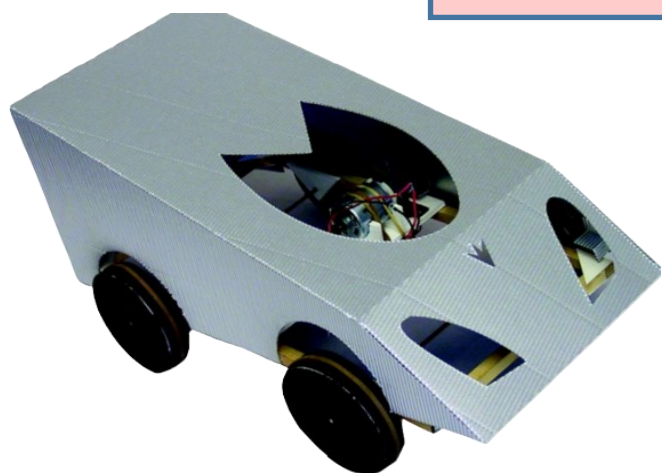
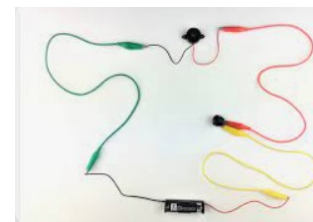
I can make design choices regarding my buggy and explain my reasoning behind my design choices. I can create a battery powered toy vehicle.

Key Vocabulary

Tier 1: vehicle, battery, motor, bulb holder, buzzer

Tier 2: mechanism, belt drive, gear, worm and wheel, pulley

Tier 3: chassis, axle, series circuit, parallel circuit



Who is the toy vehicle for?

