

# Explore and use mechanical systems to make a space buggy



## Year 5 Design Technology

### Curriculum Objectives:

- To communicate ideas and apply knowledge to own design
- To know how to use mechanical systems to create a moving buggy
- To select and use tools safely

### Key Vocabulary

design	durability	materials
sketch	wheel	components
size	axel	
strength	prototype	



Intents	Pupil	Teacher
I can investigate and analyse a range of existing products.		
I can use research to develop design criteria and inform my own design ensuring that it is innovative, functional, appealing and fit for purpose.		
I can develop, model and communicate my ideas through discussion, annotated sketches, diagrams, prototypes etc		
I can select from and use a range of materials, components and tools to make my model (cutting, shaping, joining and finishing)		
I can understand and use mechanical systems to make my model move e.g. wheels and axles		
I can evaluate my ideas and product against my original design criteria and consider the views of others to improve my work.		