

End Points

Year 2 – Making a moving monster



What I know and can explain

- To know that mechanisms are a collection of moving parts that work together as a machine to produce movement.
- To know that there is always an input and output in a mechanism.
- To know that an input is the energy that is used to start something working.
- To know that an output is the movement that happens as a result of the input.
- To know that a lever is something that turns on a pivot.
- To know that a linkage mechanism is made up of a series of levers
- Creating a class design criteria for a moving monster.
- Designing a moving monster for a specific audience in accordance with a design criteria
- Making linkages using card for levers and split pins for pivots.
- Experimenting with linkages adjusting the widths, lengths and thicknesses of card used.
- Cutting and assembling components neatly.
- Evaluating own designs against design criteria.
- Using peer feedback to modify a final design.

Useful vocabulary

evaluation
input
lever
linear motion
linkage
mechanical
mechanism
motion

oscillating motion
output
pivot
reciprocating
motion
rotary motion
survey

