

Knowledge Organiser: Split Pin Moving Models

Years 1-2

Key Knowledge:

There are different types of motion:

Rotary motion is anything that moves in a circle.



Linear motion is anything that moves in a straight line.

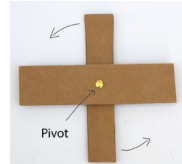
Oscillating motion is anything that moves in a curve back and forth.



Key Skills:

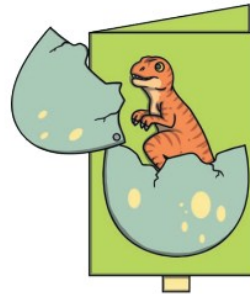
How do I make a split pin model?

Prior learning: Remember attaching two pieces together with a split pin will make the pieces **pivot**.



Key points: Using careful cutting skills will help you to follow the outline.

Evaluating: How well does your moving model work?
What do you like/dislike about your model?



Key Vocabulary:

Vocabulary	Definition
Hinge	A moveable joint that opens a gate or lid.
Lever	A rigid bar that pivots about a point.
Template	A pattern or guide to make copies from.
Construct	To fit parts together.
Tabs	A short strap or loop, attached by one end to an object.
Linkages	The link or connection of two things.
Pivot	A pin which something turns.

Time line of learning:

Research how to make your design.

Design a dinosaur and how you will make it.

Create your design using your chosen materials.

Use your knowledge to improve your design.

Evaluate your model. What do you like or dislike?