



WINKLEIGH
Primary School

Mechanical systems - Pop-up books

Construction

Prior Knowledge

Year 3: Mechanisms – Musical instruments.

Year 1: Moving pictures.

Future knowledge

Year 5: Mechanisms – A toy Viking boat.



Key Vocabulary

Tier 1: fold, crease, slide, flap, tap, push, spring, centre

Tier 2: illustrated, rotate, specification, score, split pins, three-dimensional, two-dimensional, improvement

Tier 3: path of travel, mark and pull leavers, linkages

What is the purpose of box folds and mouth folds?

My Component Knowledge:

Lesson 1: I can investigate pop-up books.

Lesson 2: I can create a box fold and a mouth fold.

Lesson 3: I can explore the slider and lift up flap.

Lesson 4: I can explore the rotator and paper spring.

Lesson 5: I can write a design specification.

Lesson 6: I can make and evaluate a pop-up book.

My Composite Knowledge:

I understand the purpose of a pop-up book. I can design and create something for a target audience by following a design specification.

My Powerful Knowledge:

I know the importance of thinking about the target audience while designing and creating a product. I can evaluate and suggest improvements to a finished product.

What are the steps to make a rotator?

