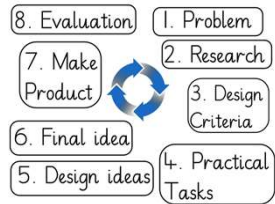


DT – Y1 Mechanisms

Sliders and levers

Design process



Vocabulary

Join, cut, fold, fix, glue scissors, ruler, cello tape, masking tape evaluate, predict existing product, research, design, model theme measure materials

Links to other subjects

Science: materials
 Maths: positional language, measurement, and shapes
 Art/Design: colour, layout, materials
 Learning theme: Homes, pirates plans and adventures
 English: Otherwise text

Key knowledge

Book front covers need to be attractive
 Mechanisms (sliders) need to move smoothly
 An awareness of the key design process steps (Design, make, evaluate).

Health and safety

We can cut card
 We can use scissors safely

Evaluation

Let's evaluate our front cover.
 Success criteria:
 1. My front cover is fun and attractive
 2. Readers pop out from the egg
 3. The mechanism is able to slide smoothly

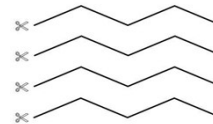
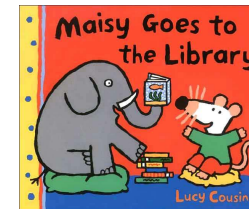
Give myself a star for _____
 My target is _____

Design Criteria

- What do you think the front cover must do or be like?
- Green, swampy water picture, leaves and mud and grass
 - Should be colour-ful - white egg stuck on front cover
 - Tell us something about the story - some clues
 - Egg cracking open!
 - A pop up mechanism

Key skills

Cut character and item templates
 Use masking tape to hold a slider in place
 Glue together materials (paper and card)
 Begin to follow an iterative design process
 Simple verbal evaluation against design criteria.
 We can use our past experiences to make a book with a working mechanism.
 We can make a plan
 Work with a partner
 We can select tools and materials
 We can assemble and join components precisely (levers, rotating mechanisms and sliders)



Outcomes

- Designing and making a book cover with a working mechanism



Links to prior learning and next steps:

EYFS Design and making areas and construction resources



Equipment used

