

D&T Lesson 2

Levers

Tuesday 2nd February 2021

Key Vocabulary

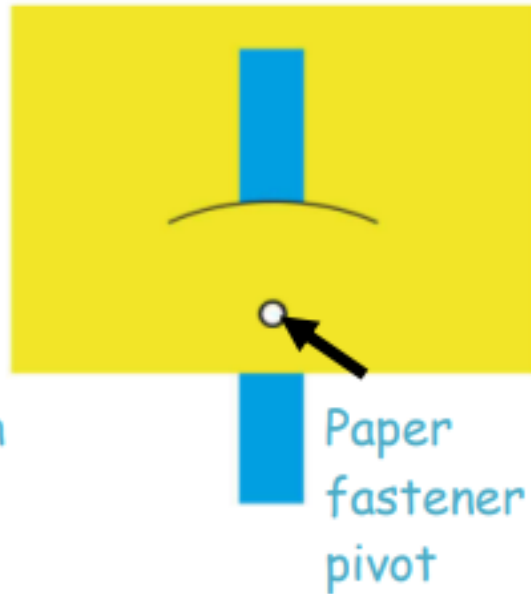
Mechanism - components acting together to make an action take place.

Slider - a rigid bar which moves backwards and forwards along a straight line. Unlike a lever, a slider does not have a pivot point.

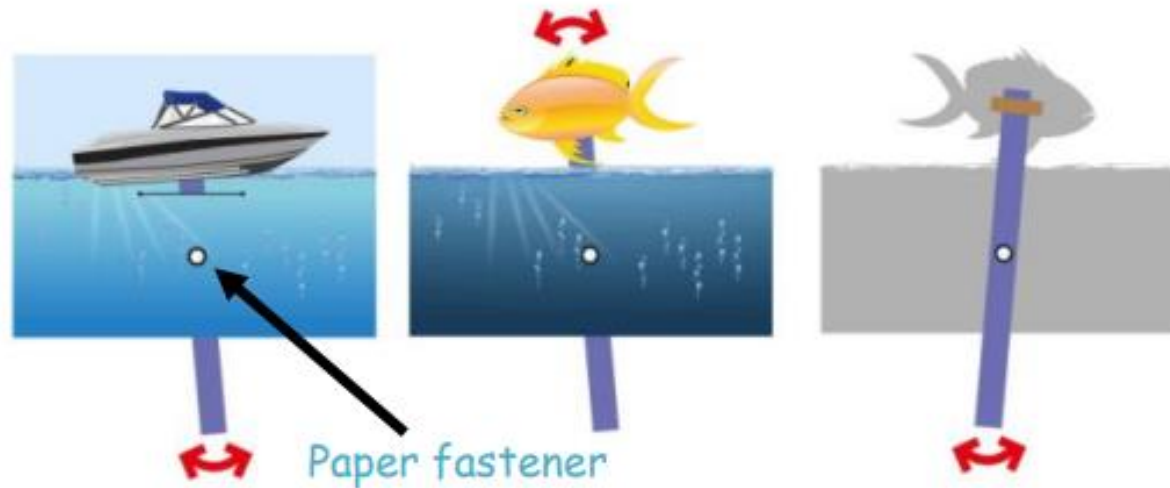
Lever - a rigid bar which moves around a pivot. Levers are used in many everyday products. In this project children will use card strips for levers and paper fasteners for pivots.

Pivot - a point about which a lever turns

KS1 - Simple lever



Levers can be used with or without a slot



A card strip is used as a lever. The fish and boat are glued to the lever which is used as a handle.

Simple mechanisms move:



in a straight
line



in a straight
line, backwards
and forwards

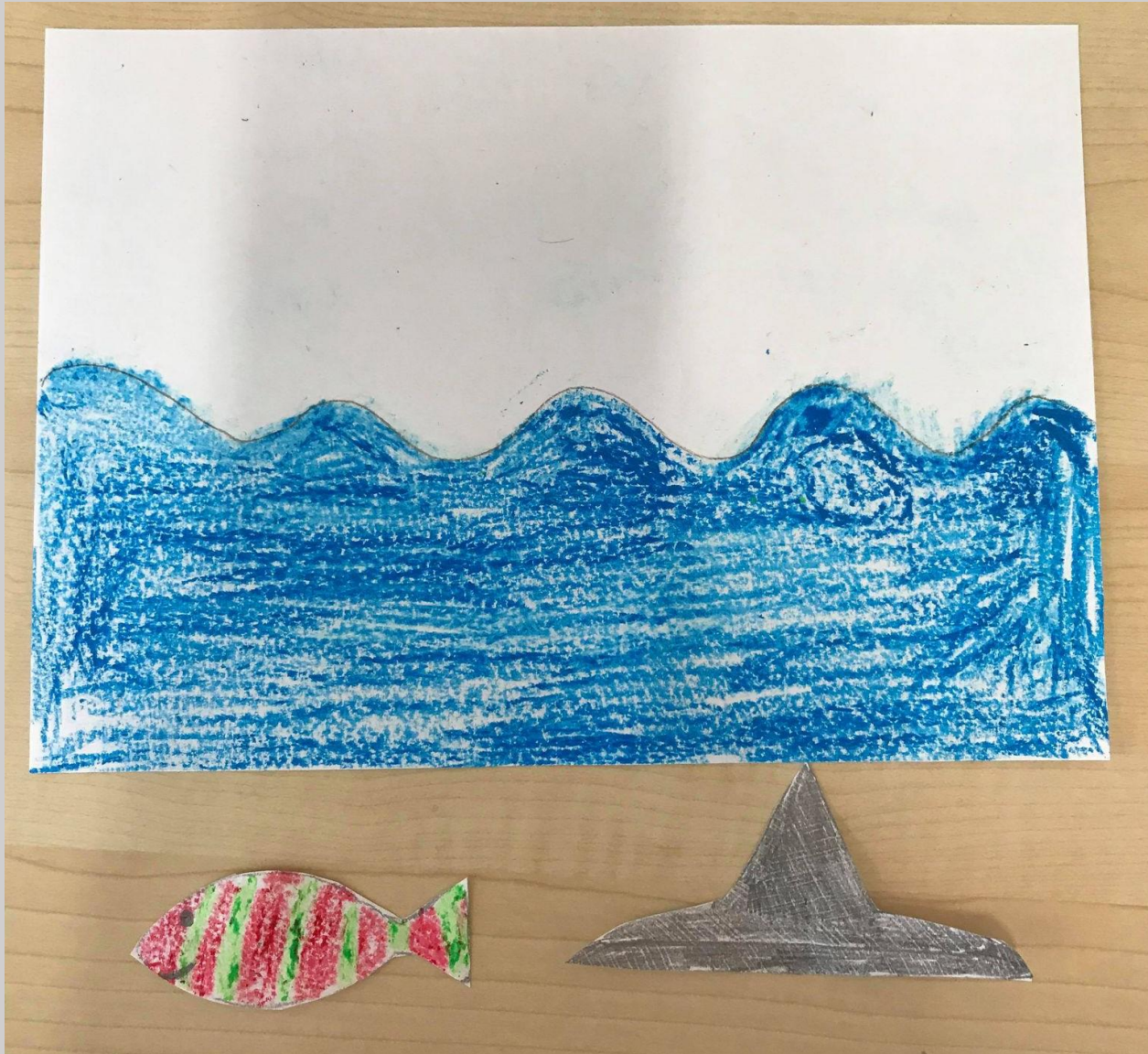


round and
round

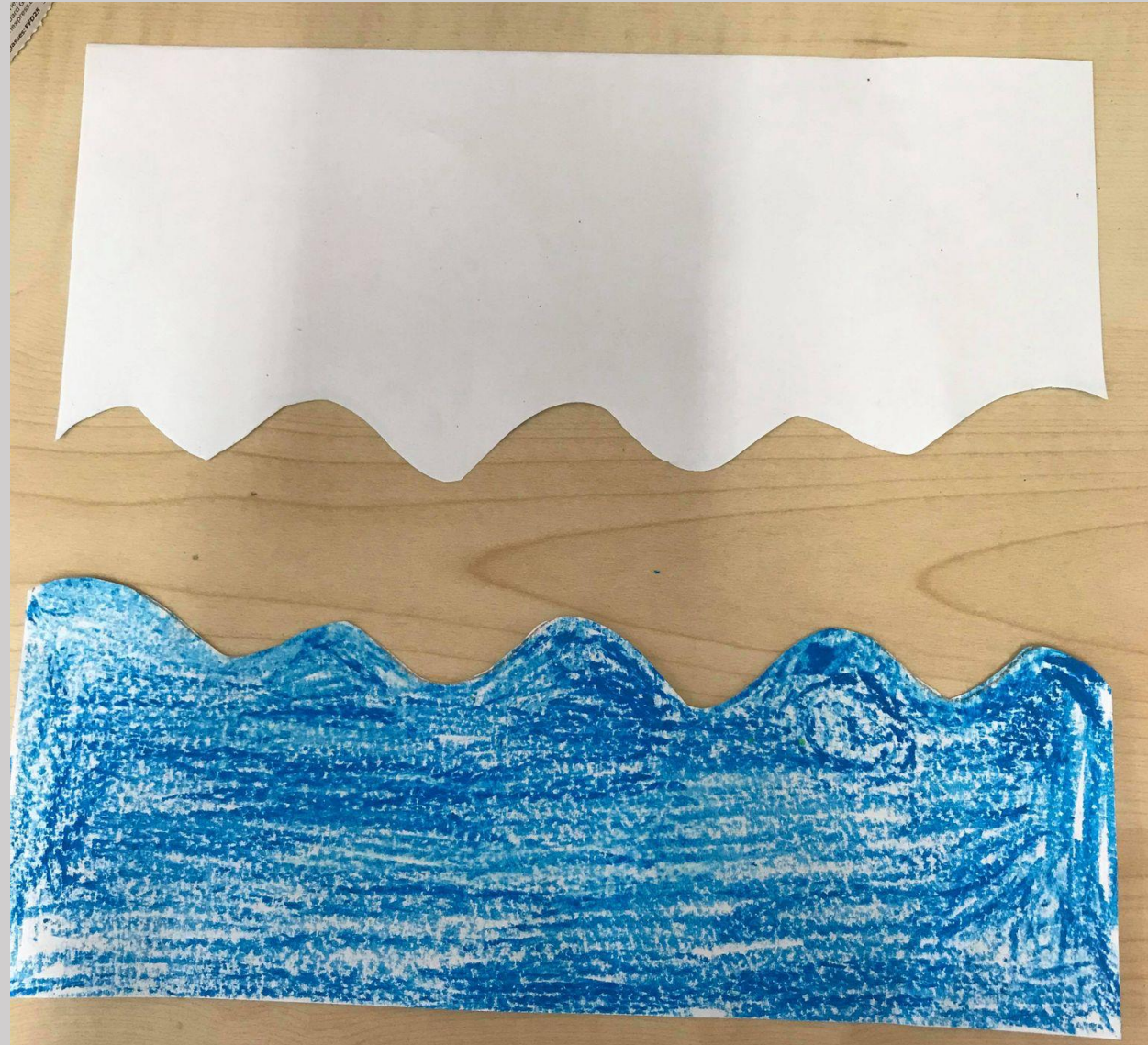


in a curve

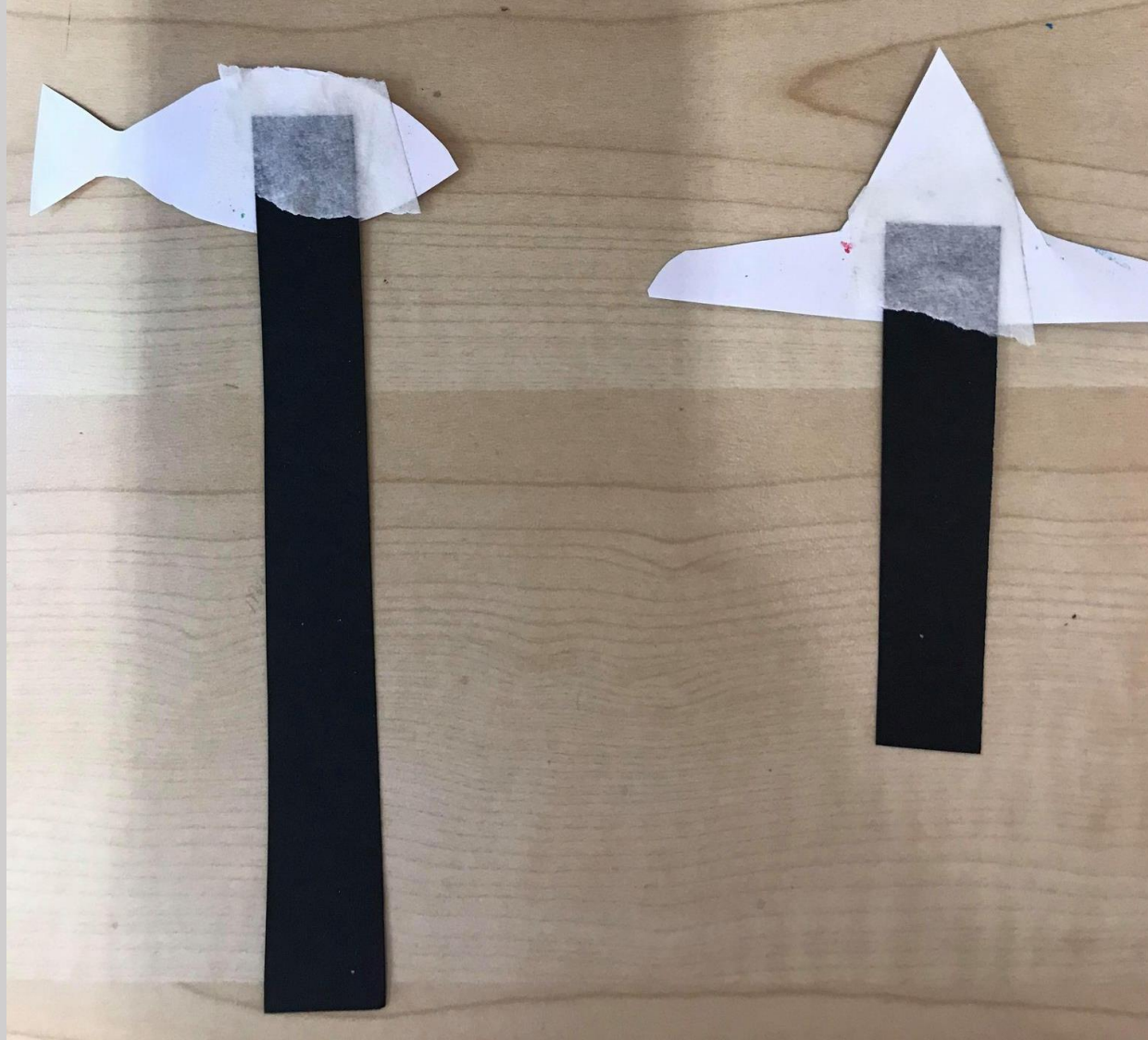
Step 1: Draw your sea background and fish! (or fishes)



Step 2: Cut the top of the sea off (you won't need the extra piece)



Step 3: Use card as your levers and glue or tape it to your fish (your levers can be different sizes, like the one below).



Step 4: Decide where you would like your fish/fishes to go on the sea and carefully push the split pin through the paper and lever (this will be your pivot).



Your lever should pivot from side to side.

<https://www.dropbox.com/s/hqhau54i8vavn0w/lever.mp4?dl=0>

Evaluate

How smoothly does your lever move?

How well made is your lever?