

Year 2— How powerful is our ocean? Children will design, make and evaluate a lighthouse with a hinge and moving parts.

What should I already know?

- I can design a purposeful, functional and appealing product.
- I can select appropriate tools.
- I can explore mechanisms (wheels and axles)

Key Vocabulary

lever, rigid, pivot, slot, slider, flap, mechanism, model, hinge, rotate, strong, stiffer

Resources to help me with my learning!

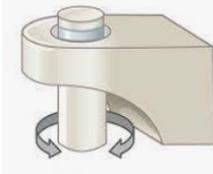
<https://kids.kiddle.co/Lighthouse#:~:text=A%20lighthouse%20is%20a%20tall,ships%20see%20a%20flashing%20light.>



<https://www.bbc.co.uk/bitesize/topics/z9jwxnb>

What will I know by the end of this unit?

- I know that a slider is a handle that is moved left and right, or up and down to control something.



- A pivot is a fixed part that holds a lever in place as it turns.

- I know that a lever is a rigid bar which moves a pivot.
- A hinge connects two objects and lets them rotate.

