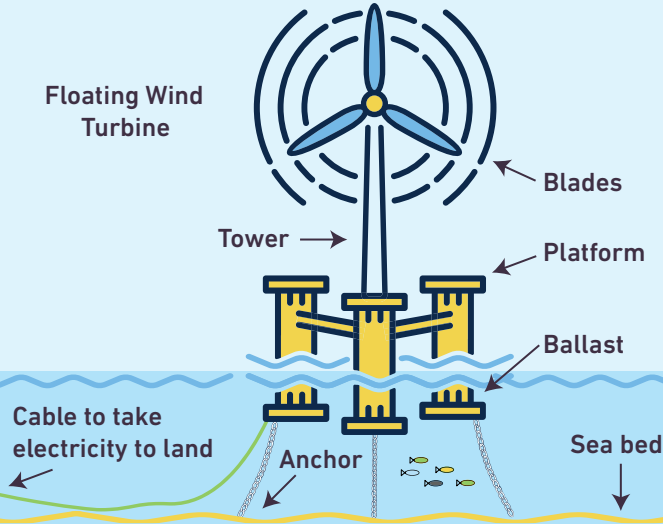


Floating Wind

(FLOW for short)



Floating wind turbines can be put in deep water

The wind and waves try to make the whole platform move

Ships use heavy anchors to stay in the same place

Ships use heavy weights low down called "ballast" to keep them stable

"Let's use ballast as well as anchors with strong chains, too!"



You will need

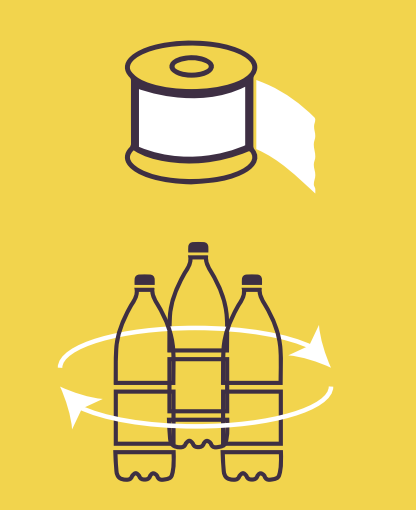
- 3 bottles or cartons the same size (500ml is ideal)
- Pebbles or marbles
- Scales
- Sticky tape
- Blue tack or plasticine
- Toy windmill
- Big waterproof box or tub full of water to test your model

Build a model Floating Wind Turbine!

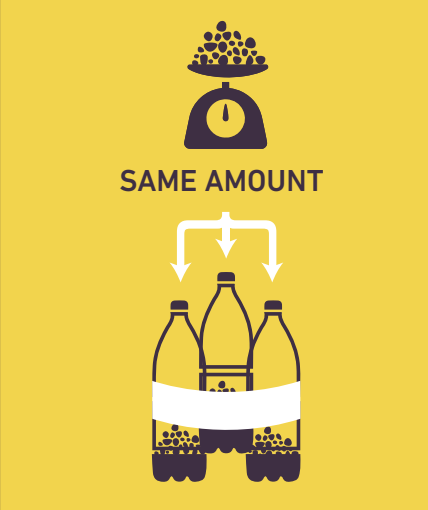
Step 1



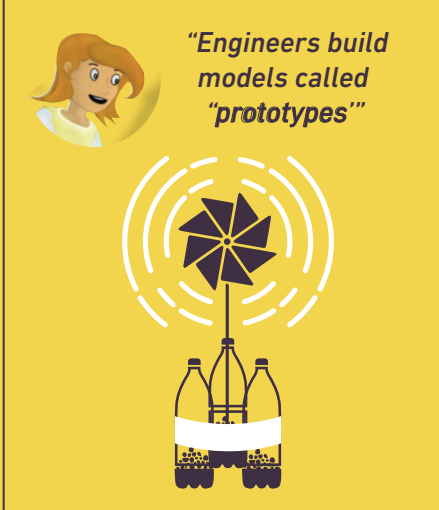
Step 2



Step 3



Step 4



Test your model

- Is the platform stable?
- Change the ballast to see what happens
- Floating wind turbines need to be anchored to the sea floor
- How could you anchor your model?
- Draw a picture of your plan and explain it to your teacher