Throw the javelin as far as you can.

What makes it move forwards?

What makes it fall?

Can you name all the forces acting on the javelin as it travels through the air?

What about when it is back on the ground?

Examine the shoes and pull each one along the floor using a force meter.

What differences can you see?

Can you feel any differences as you pull them?

Why do you think this is?

Take a corner of the sheet each.

What happens when you lift it up together?
What happens if you pull it down together?

Why does this happen?

Can you think of uses of this in real life?

Place each item in the water, one at a time.

Which ones float and which ones sink?

Why do some float and some sink?

Can you name something else that would float?
Can you name something else that would sink?

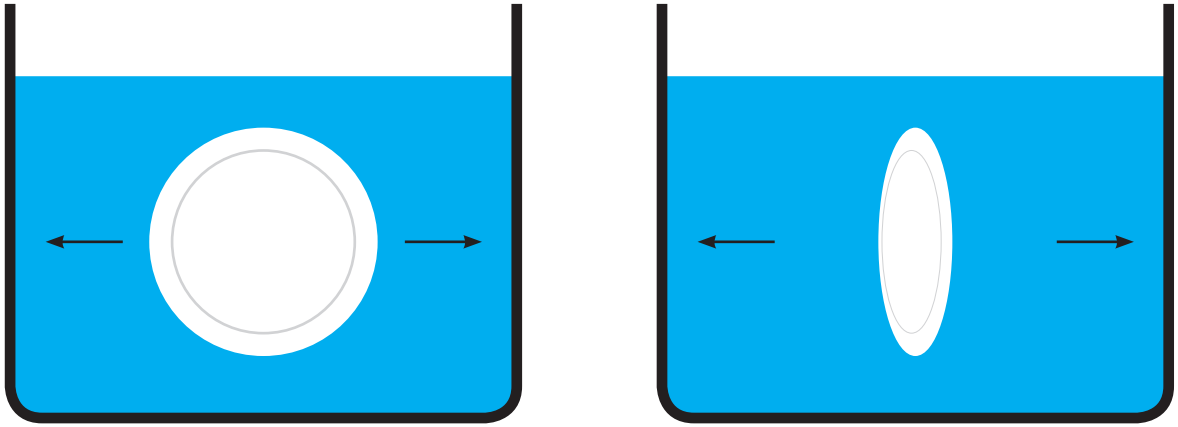
Push the plate along in the water as shown in the diagram.

What differences do you notice?

Why are there differences?

How do fish and boats take advantage of this?

YEAR 5
FORCES:
05 – PLATE



Lift the weight by pushing on the opposite end of the ruler. Repeat, moving the pencil to different positions along the ruler.

When is the weight easier to lift?

Why do you think this is?

Can you think of examples of levers used in everyday life?