

Happy Monday everybody!
Here is our **Science** lesson!

This week's Science lesson continues our learning about light.

We have suggested changes to the activities so that you will hopefully be able to carry out the activities at home.

If you can, please Tweet your work or email your school's email address with what you have found out during your investigation.

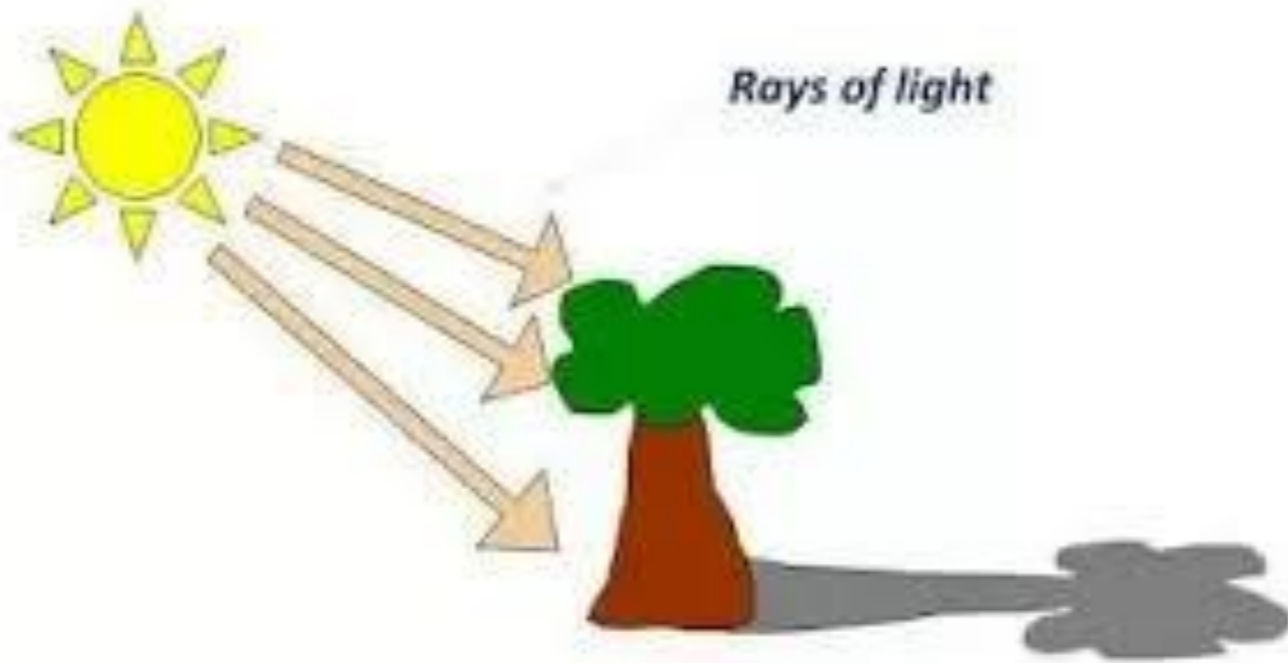


Today we are learning all about **SHADOWS**



But how are shadows made?

Shadows are created when a source of light shines on an object, but the light is blocked and does not pass through it.



When objects are made from different materials, it makes their shadow appear different.

Do you know what transparent, translucent and opaque mean?



Opaque means light will not pass through an object. E.g. a book



Transparent means light will pass through the object. E.g. a glass



Translucent means some light will pass through the object. E.g. tracing paper

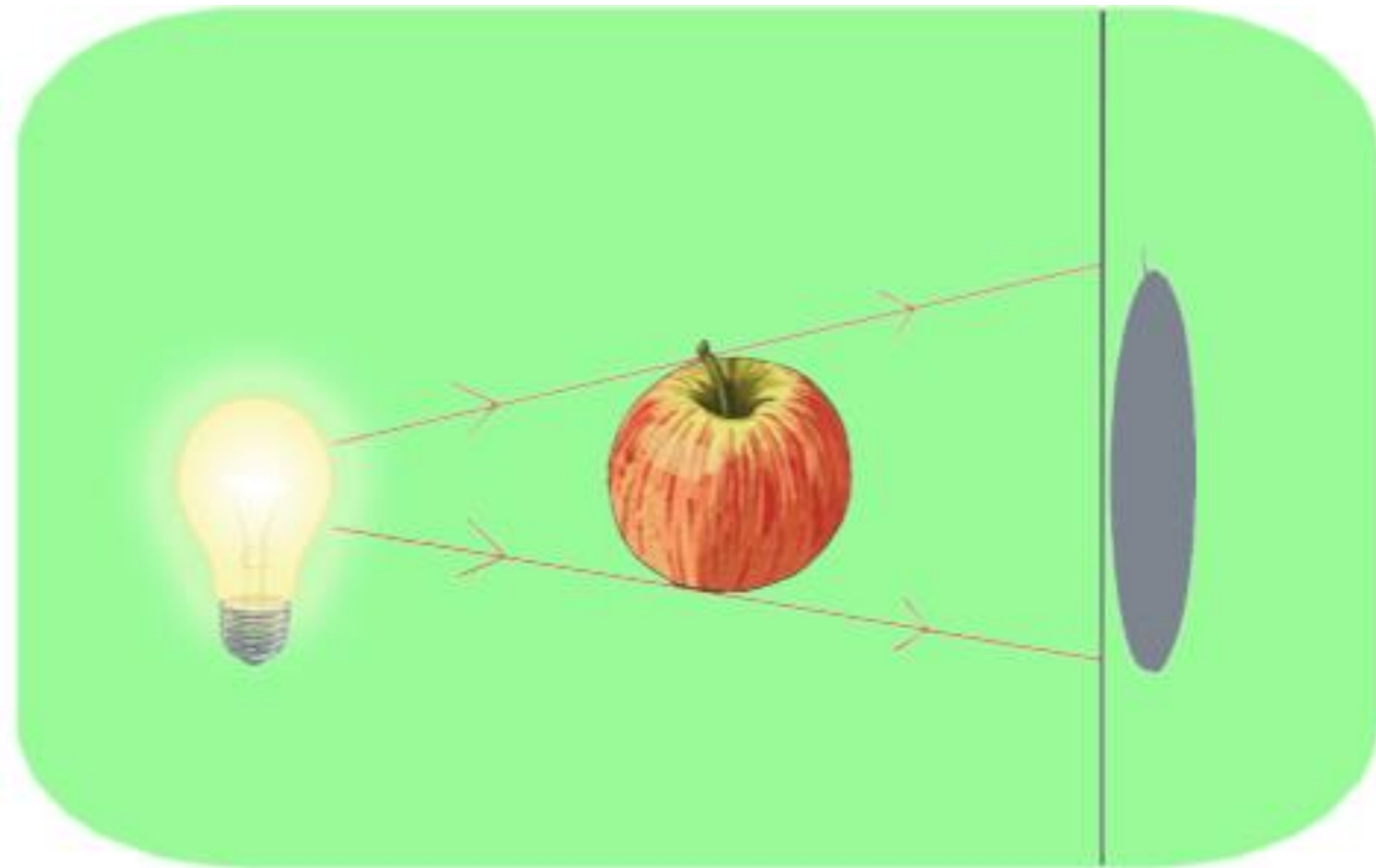


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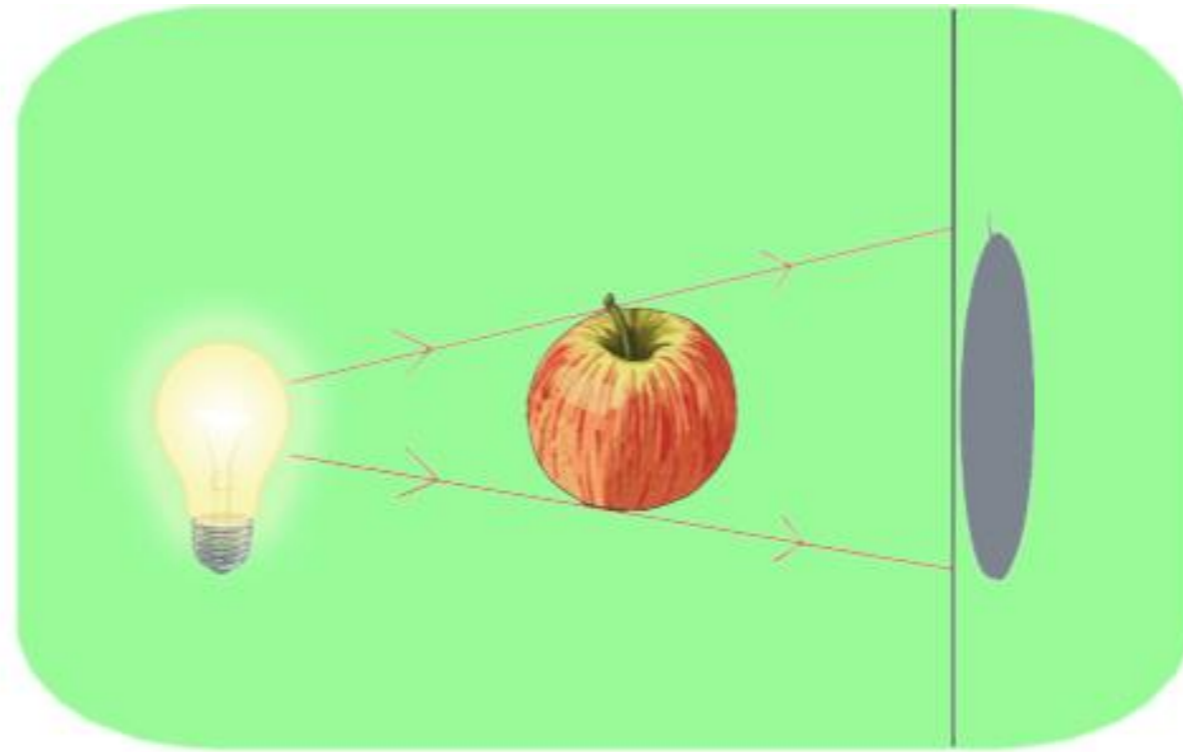
LO To observe patterns in how shadows change.



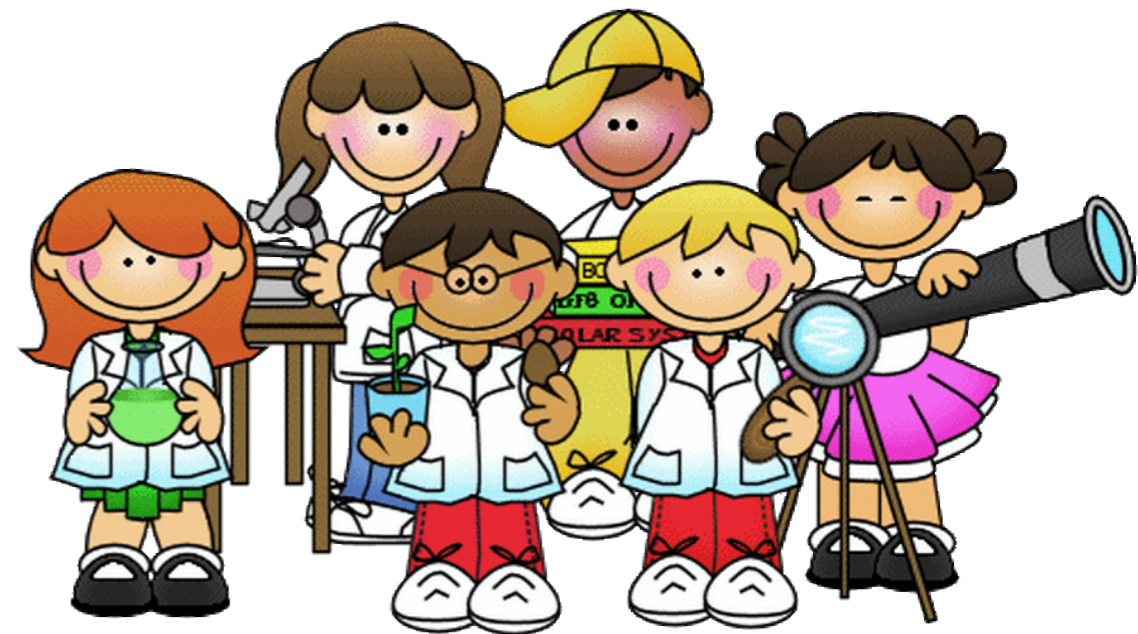
What do you notice about the shadow below?



The shadow is bigger than the object making the shadow.

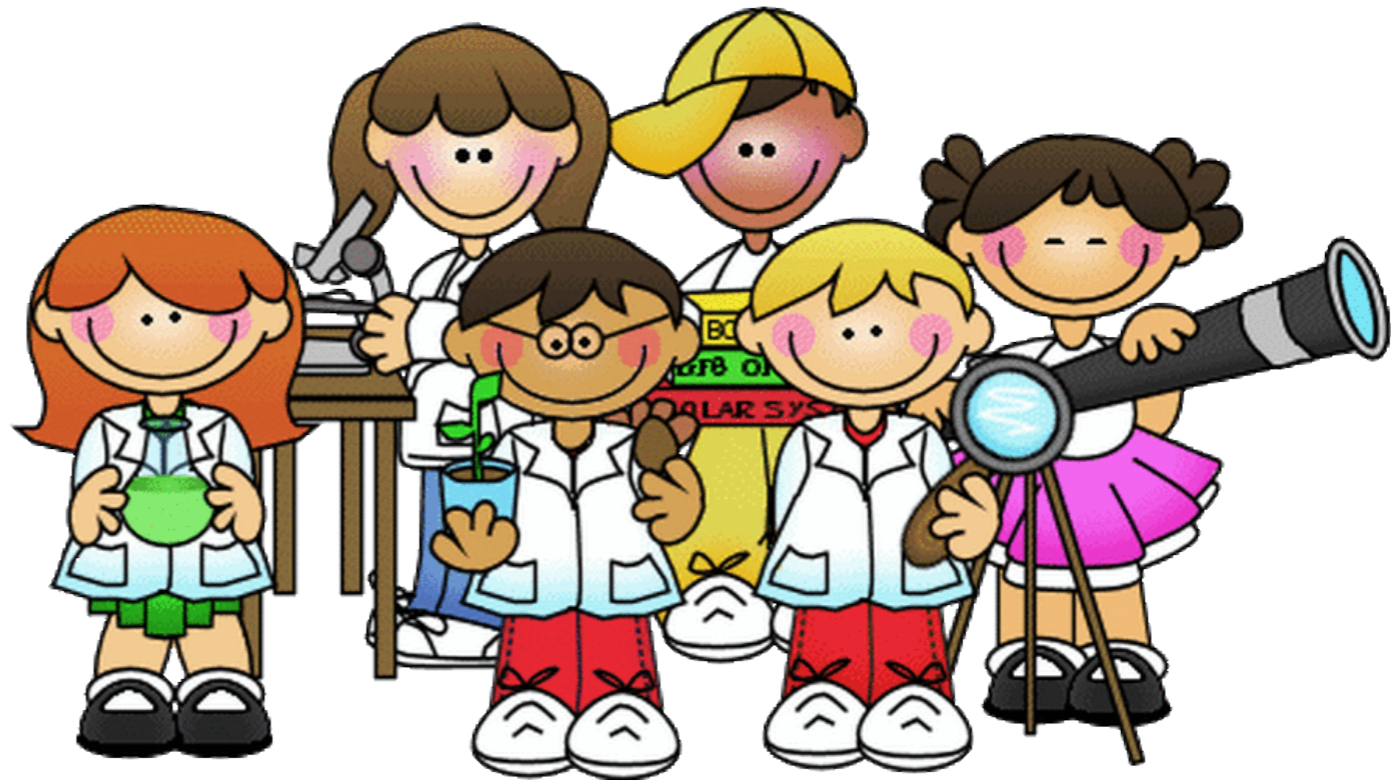


You will be investigating how shadows change when the distance between the light source and object changes.



What equipment will you need?

- Torch (you might find one on a mobile phone)
- Ruler (you could use a tape measure)
- An opaque object (e.g. book, toy, piece of fruit)

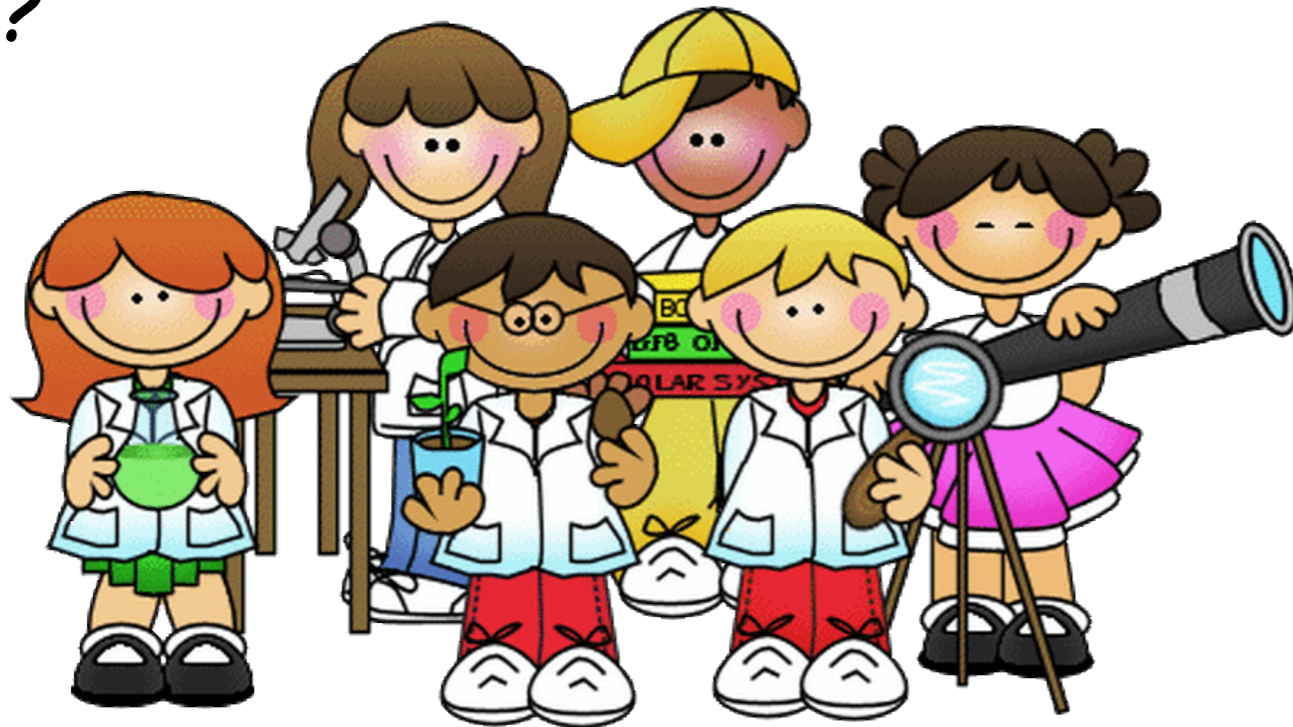


LO To observe patterns in how shadows change.

Activity 1:

What do you predict will happen to the shadow when you move the object closer to the light?

What do you predict will happen to the shadow when you move the object further away from the light?



LO To observe patterns in how shadows change.

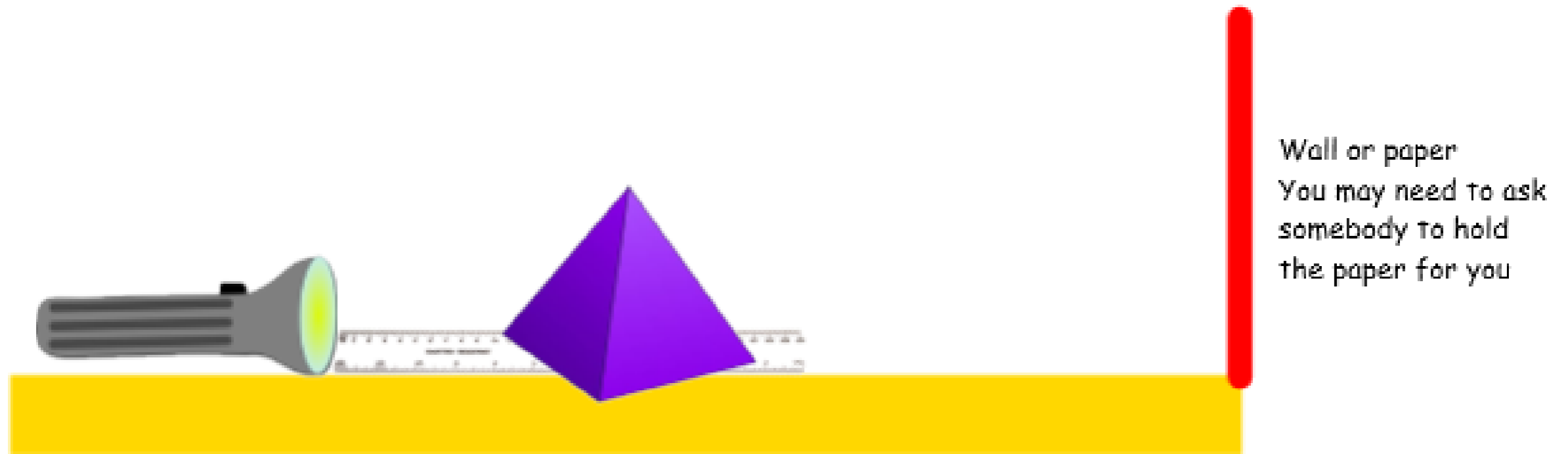
Now for the investigation! You can use a table like this to record your results:

Make sure that it is the back of the object that is 10cm away from the light source

Distance between the light source and the object.	Size of the object's shadow (cm)
10cm	
15cm	
20cm	
25cm	
30cm	

LO To observe patterns in how shadows change.

You will need to set up your investigation like this:



Don't forget to measure the height of your shadow to see what happens!

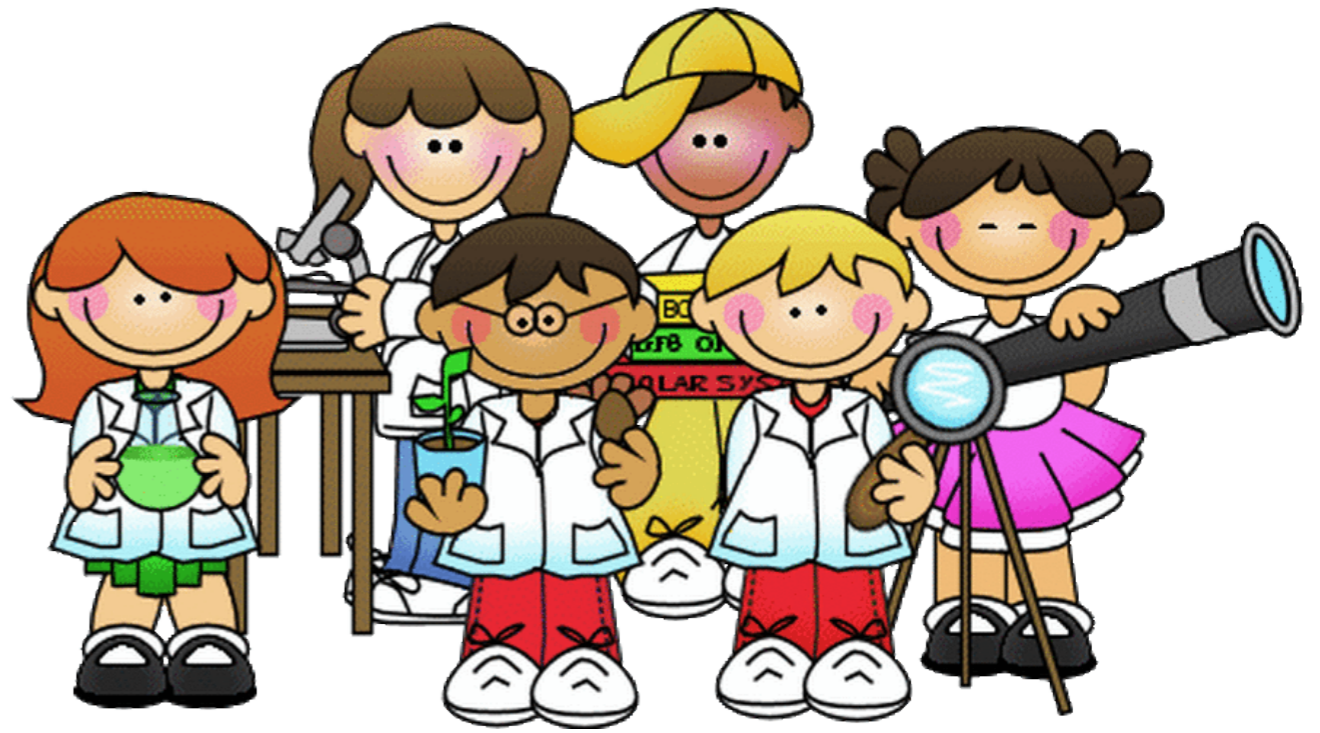
Still looking for more?

Either use a torch or get out in the sunshine (if we are lucky enough to get some more) and draw around the shadow of an object. We look forward

to seeing some of your drawings as well as your results from the investigation!



Well done today!
You have used lots of
different skills in our
Science learning.



A big well done to your families too -
we really appreciate them helping and
hope they are enjoying it too!



We miss you ! from: Mrs BC, Miss Ringland, Miss Callaghan (Elston)
Mrs Dudley (Palmers), Mrs Turner (Edwards), Miss Sharma and Mr Holmes (Goldthorn)

We are really enjoying seeing the pictures and messages sent in to our Twitter Page and School emails.

Please label these Y3 so we can make sure the Y3 staff see them.

It is lovely to see so many of you learning at home, and sharing this with us - we miss you all and can't wait to get back into school with you.

MISS

YOU!

Best wishes
The Y3 team

@elstonhallsch
@palmerscrosssch
@edwardeldersch
@GoldthornPark

MISS

YOU!