



## Harry's Shadow Drawing

This is a fun activity outside on a sunny day and introduces some basic physics.



### ***What you will need:***

- Paper
- Some small toys / objects
- Pen/s or crayons

### ***What to do:***

1. This activity is best done in the morning or afternoon, avoiding the hottest part of the day.
2. Ensure your child has sunscreen on and is wearing suitable clothing if doing this activity during the warmer months.
3. Put a piece of paper down on the ground/table with your back to the sun.
4. Line up 2 or 3 objects along the front edge of the paper.
5. Have your child sit at 90 degrees and trace around each of the shadows on the paper.
6. Now face the paper and see if the shadows are bigger or smaller than the actual objects.
7. Leave everything where it is and draw around the shadows again in half an hour and see what's happened.

This activity starts to demonstrate how light travels in a straight line (as far as our eyes can tell) until it hits an object.

When an object is placed in the light's path, the part of the light that reaches the object will be blocked while the rest of the light keeps going.