



Year Groups: Years 3 and 4 (KS2) Date: Monday 18th May 2020

Subject: Science - Light

LO: I am able to find patterns in the way that the size of shadows change



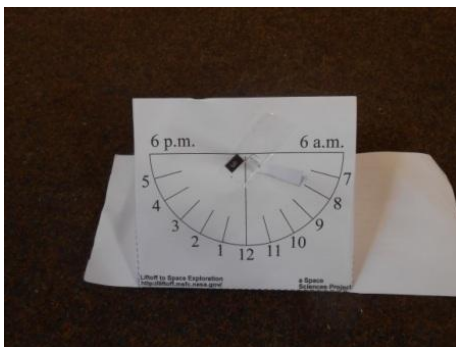
Key Facts:

- Light is reflected from surfaces.
- Light travels in straight lines.
- Shadows are formed when the light from a light source is blocked by a solid object.
- The Sun rises in the East and sets in the West.

Activity 1 and 2: Continue/ complete last week's investigation and complete work on Thomas Edison, if applicable - see 2Do list on Purple Mash.

Activity 3: Problem-solving - Making a shadow clock
Challenge children to make a shadow clock. They could probably make one that will be reasonably accurate for a few days.

Activity 4: Making a sundial and gnomon
Ask children to have a go at putting together a sundial and gnomon. This will allow them to tell the time using the Sun throughout the day (as long as there is enough sunlight!). You will need to look up the latitude of where you are on Earth. Click on the link below to print your sundial and gnomon template.



<http://er.jsc.nasa.gov/seh/sundialn.pdf>

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