

How does location impact on a person's life?

Physics: Light

Sticky Knowledge- substantive:

- Light travels in straight lines from a light source.
- If something opaque is in the way of a light source you get a shadow.
- Light bounces off some materials better than others.
- Mirrors and shiny objects reflect almost all of the light that falls on them.
- Light bounces off reflective objects and into your eyes.
- Dull, dark and black objects absorb most of the light that falls on them.
- Light doesn't reflect off dull, dark and black surfaces well.
- If you put a mirror in the right place, you can even see around corners.
- Periscopes use a pair of mirrors to allow you to see round objects easily.
- Shadows are the same shape as the objects that cast them because light travels in straight lines.
- We see things when light enters our eyes.
- Light may come directly from the source to your eyes (like when you look at a candle)
- Light can also reflect off objects and into your eyes (like when you look at a cake).

Key Vocabulary:

Light source, shadow, shiny, absorb, reflect, direct, eye, pupil, cornea, lens, iris, retina, optic nerve, eyeball, transparent, translucent, opaque.

Sticky knowledge- disciplinary:

