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| *Highgate Community Primary School Year 3* ***Science: Light and shadows*** |
| ***Vocabulary*** | Image result for the sun"***Sources of light***Image result for lightning"*.**Natural*Image result for star"Image result for fire"Image result for television"Image result for torch"*Artificial* | ***Key Facts*** |
|  | *Some objects like glass are transparent which means light can shine through them.**Our main source of light on Earth comes from the sun.**Because light travels in straight lines, when it hits an object, it is blocked. It can’t bend around the object so it casts a shadow.**A mirror is not a light source. It reflects light so doesn’t create it.* |
| ***reflection*** | *When a ray of light hits a surface and bounces off.* |
| ***shadows*** | *A shadow is a dark shape on a surface that is formed when an object blocks out the light.*  |
| ***light source*** | *Something that provides light, whether it be a natural or artificial source of light (e.g. the sun, a torch)* |
| ***opaque*** | *This is the name given to objects that do not allow light to pass through them. They block light and create shadows.* |
| ***transparent*** | *This is the name given to objects which light can travel through.* |
| ***translucent*** | *This is the name given to objects which some light can travel through.* |
| ***nocturnal*** | *If something is nocturnal, it is mainly active at night. For example, bats and owls.*  |
| *We see things when light enters our eyes. Not all objects produce light so we see some objects because light reflects off their surface and into our eyes.* | ***Key Facts*** |
| *Some animals are nocturnal. They are awake at night and can see very well in the dark.**The moon is not a source of light, it reflects the light from the sun.**UV rays from sun light can be harmful which is why you must protect yourself appropriately.**Light travels in a straight line and is faster than sound.* |