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| Shadows |  | Sources of light |
| Why are some shadows darker than others?  Image result for shadows  Can transparent, translucent and opaque objects all make shadows?  What does dark mean? | There are many different sources of light. Here are a few examples:  Image result for candle drawing  See the source image  Image result for light bulb drawing Image result for the sun drawing  Which are the brightest? Which are best for lighting up a room? How do we stay safe around candles? |
| Sound and vibration |
| There are many different objects that can make noise. Sound is created when an object is made to vibrate.  Music is the vibrations made when you play an instrument. When you make sounds using certain instruments you can see the vibrations.  We can change the sounds we make with instruments. |

 Knowledge Organiser

Autumn Term 2

**Science – Everyday Materials**

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| Vocabulary | |
| illuminate | To make something bright by shining a light on it |
| light source | Something that makes light |
| reflect | To throw back light |
| opaque | Something you cannot see through |
| translucent | Allowing some light through. Semi-transparent |
| transparent | Allowing light through so that objects behind can be seen clearly |
| shadow | A dark shape produced when light is blocked |
| sound | Vibrations that travel through the air and can be heard using your ears |
| source of sound | Where the sound comes from |
| vibration | A quick, shaking or quivering movement |