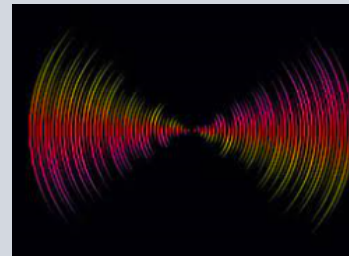


Draco class 'Illuminate and Resonate' Knowledge Mat

Subject Specific Vocabulary

Light sources	A source of light makes light. The Sun and other stars, fires, torches and lamps all make their own light and so are examples of sources of light.
shadows	A shadow is the dark shape made when something blocks light from a light source like the sun, a flashlight or campfire.
Natural light source	A source such as the sun and other stars are examples of natural light.
Man made	Man-made light sources can be things like torches, lanterns and electrical lights.
translucent	If an object is translucent, it means that some light passes through it, but the light is scattered, so you can't see clearly through it.
Transparent	Light passes through transparent materials, such as glass.
opaque	Light will not pass through opaque materials.
Sound vibrations	Sound is made up of vibrations, or sound waves, that we can hear.
Hearing impairment	When people have problems with their hearing and may need help to hear by using a hearing aid.
Sound sources	Something that creates sound. There are a wide variety of things that create sound.



Exciting Books and Websites

BBC bite size has awesome information on both light and sound.

<https://www.bbc.co.uk/bitesize/clips/zrd9wmn>

Important images



Sticky Knowledge about Light and Sound

- Sound is made up of vibrations, or sounds waves, that we can hear. These sound waves are formed by objects vibrating (shaking back and forth). Sound waves travel through the air, water and solid objects as vibrations.
- Light travels in straight lines.
- The sun is one of our major light sources.
- People need light so that they can see.
- Light travels really, really fast.
- **It takes 8 minutes and 20 seconds for the light from the sun to reach the earth!!**