An angle is the difference in direction between two lines or surfaces. Angles are measured in degrees.

## Year 6 Term 2: Light and Sight

## How Light Travels

Light is a type of energy (electromagnetic radiation). Unlike sound, it doesn't need matter to travel through - it can travel through empty space (a vacuum) - which is how sunlight is able to reach us from outer space


Here are the parts of a human eye...


Key Vocabulary

| refraction | This is when light bends as it passes <br> from one medium to another. E.g. <br> Light bends when it moves from air <br> into water. |
| :--- | :--- |
| shadow | An area of darkness where light has <br> been blocked. |
| transparent | Describes objects that let light travel <br> through them easily, meaning you <br> can see through the object. |
| translucent | Describes objects that things let <br> some light through, but scatters <br> the light so we can't see through <br> them properly. |
| opaque | Describes objects that do not let any <br> light pass through them. |
| A periscope | A form of energy that travels in a <br> wave from a source. |
| enables you to see |  |
| around a corner or | Reflection is when light bounces off <br> a surface, changing the direction of <br> a ray of light. |
| Antion object that makes its own light. |  |

