

# The Oaks Community Primary School


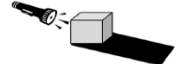
## Year 3 - Light and Shadows



### Key Knowledge

Why do we need light?	We need light in order to see things and dark is the absence of light.
How are shadows formed?	Shadows are formed when the light from a light source is blocked by a solid object.
Why do shadows change?	Patterns and sizes of shadows can change depending on the light source.

### Diagrams and Symbols

	Light reflecting
	Shadow

### Famous Scientists

<b>James Clerk Maxwell</b>	<ul style="list-style-type: none"> <li>Born in 1831</li> <li>Scottish scientist</li> <li>Known for his electro-magnetic theory which helps inventions with electric motors.</li> </ul>
<b>Thomas Young</b>	<ul style="list-style-type: none"> <li>Born in 1773</li> <li>British Physician</li> <li>Known for discovering the wave nature of light.</li> </ul>

### Famous Inventors

<b>Thomas Edison</b>	<ul style="list-style-type: none"> <li>Born in 1847</li> <li>American inventor</li> <li>Invented the light bulb in 1879</li> </ul>
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### Key Vocabulary

Spelling	Meaning
opaque	Cannot be seen through
translucent	Can be partially seen through
transparent	Can be seen through

### Key Questions