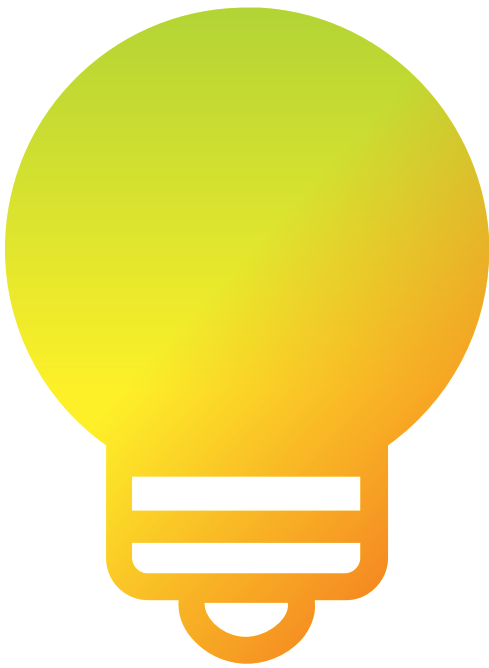




# SCIENCE MUSEUM



## GREAT OBJECT HUNT: LIGHT AND SOUND

<b>EXPLORING</b> 	Ages <b>7-11</b> <b>11-14</b>	Topics <b>LIGHT AND SOUND</b>	 <b>30 MIN</b>
	Skills used <b>MAKING OBSERVATIONS · COMMUNICATION</b>		

**Follow your curiosity and the things that interest you to explore the amazing objects in our galleries. Use your observation and questioning skills to get thinking and talking about how science and technology shape our lives.**

**See how many challenges you can complete in 30 minutes.**

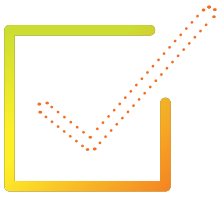
**Top tips for exploring...**

- **Find different objects for each challenge**
- **Look up, down and up close and see what you find**
- **Work together as a team and talk about your choices**
- **Write down or draw the different things that you find**

<b>TEAM NAME:</b>	
<b>NAMES OF TEAM MEMBERS:</b>	
<b>FINISH TIME:</b>	<b>MEETING POINT:</b>

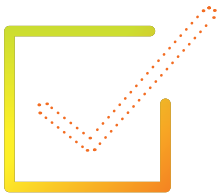
Choose different objects for each challenge. Find...

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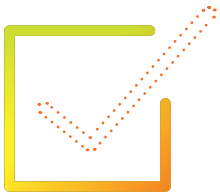
**Something that sends a message between two places**

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**Something used to broadcast radio or television**

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**Something that has wires**

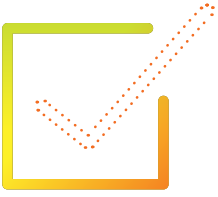
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**Something that reminds you of your home**



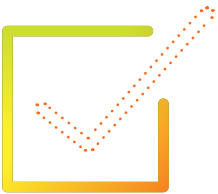
Choose different objects for each challenge. Find...

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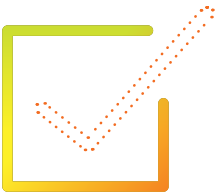
**Something that could help you hear better**

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**Something that can receive a signal**

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**Something you could use to send a message**

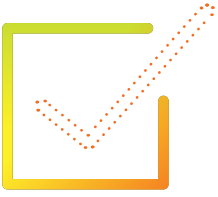
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**Choose an object that interests you, then draw what you think its shadow would look like**



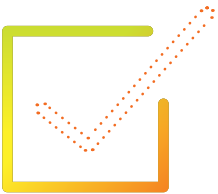
Choose different objects for each challenge. Find...

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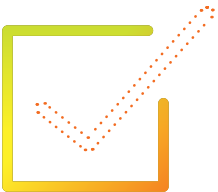
**Something that contains a lens**

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**Something that can capture an image**

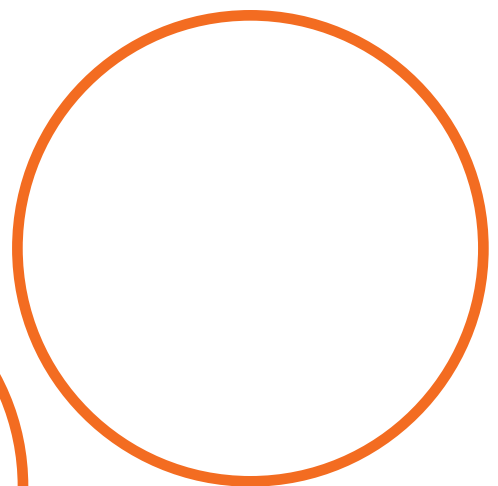
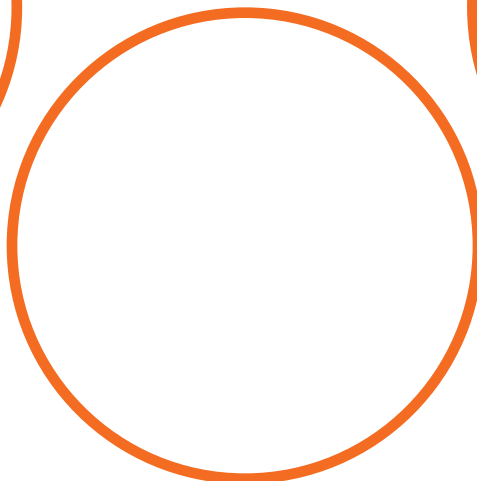
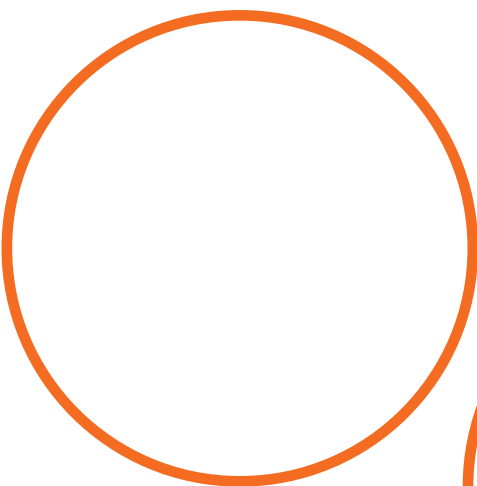
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**Something that would be useful in the dark**

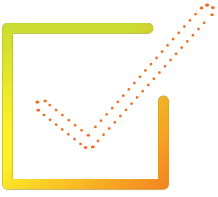
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**Something for each of the primary colours of light  
(red, green and blue)**



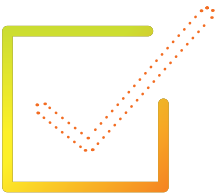
Choose different objects for each challenge. Find...

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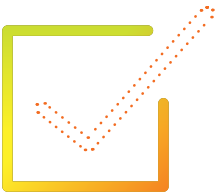
**Three things that give off light**

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**Three things that make a sound**

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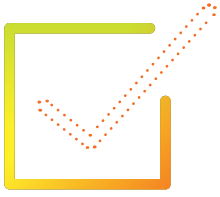
**Something you can see your reflection in**

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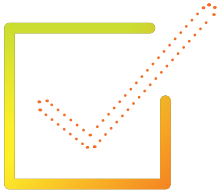
**Close your eyes. Listen closely to the sounds around you,  
and note down all the different sounds you hear**



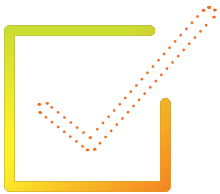
Choose different objects for each challenge. Find...



**Something you could use to make or play music**



**Something that could help you see better**



**Something that is transparent**

**Make a shape with your fingers and look through it. Describe what you see. How is it different to looking at the whole thing?**



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**Think of an electronic gadget that you use today. Can you find something from the past that did a similar job?**



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**Can you come up with your own light and sound challenge?**

