



# SCIENCE+ INDUSTRY MUSEUM



## GREAT OBJECT HUNT: DESIGN AND ENGINEERING

<b>EXPLORING</b> 	Ages <b>7-11</b> <b>11-14</b>	Topics <b>DESIGN</b> <b>ENGINEERING</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 engineering shape our lives.**

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

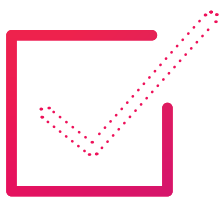
**Top tips for exploring...**

- **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>

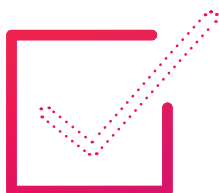
Choose different objects for each challenge. Find...

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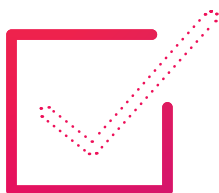
**Something that was designed to solve a problem**

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**Something that is made from glass**

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**Something that could not be made from glass**

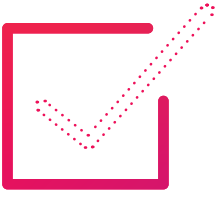
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**Find something with an interesting pattern and draw it**

A large, empty square box with a solid red border, intended for drawing a pattern.

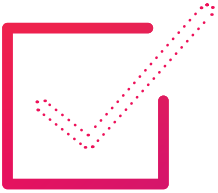
Choose different objects for each challenge. Find...

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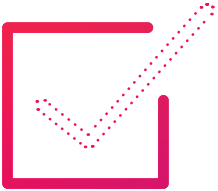
**Something you think is both beautiful and useful**

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**Something that is bigger than you**

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**Something that is more than 100 years old**

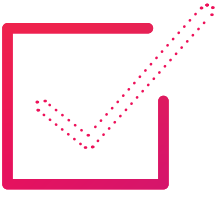
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**What do you think is the most important invention in the museum?  
Convince your group that you are right**

A large rectangular box with a solid red border. On the left side of the box, there are five circular markers, each connected to the left border by a short horizontal line. These markers are intended for students to write their answers to the challenge question.

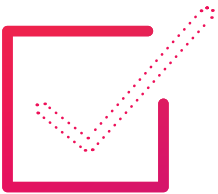
Choose different objects for each challenge. Find...

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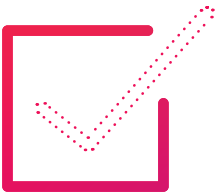
**Something made from five different materials**

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**Something designed to be comfortable**

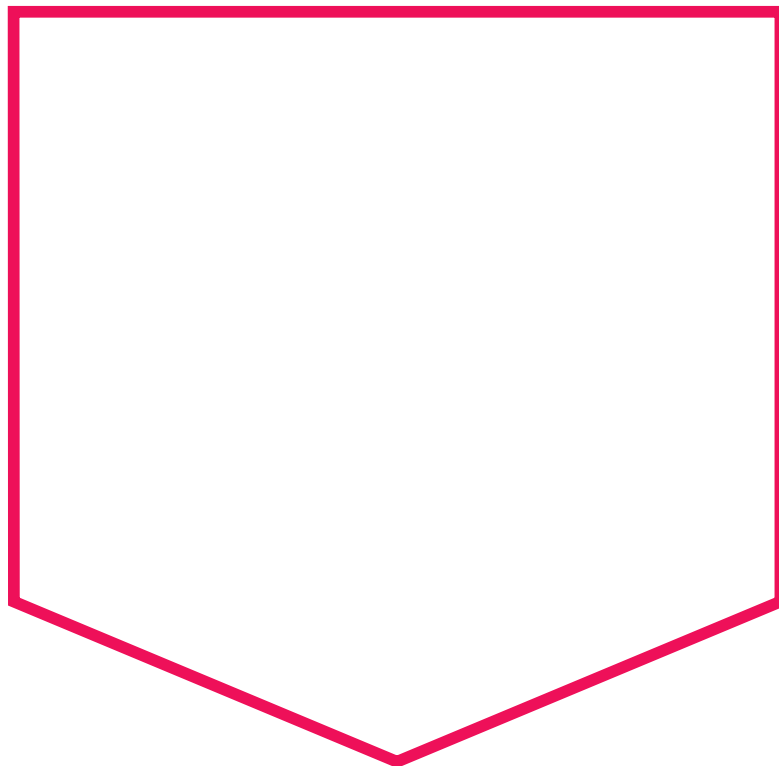
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**Something that could hold a liquid**

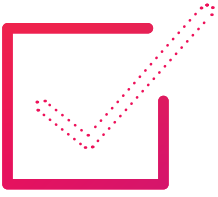
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**Something made from a material that you are wearing**



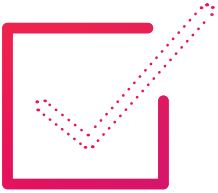
Choose different objects for each challenge. Find...

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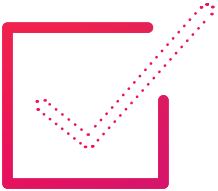
**Something that makes your life easier**

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**Something made from lots of parts**

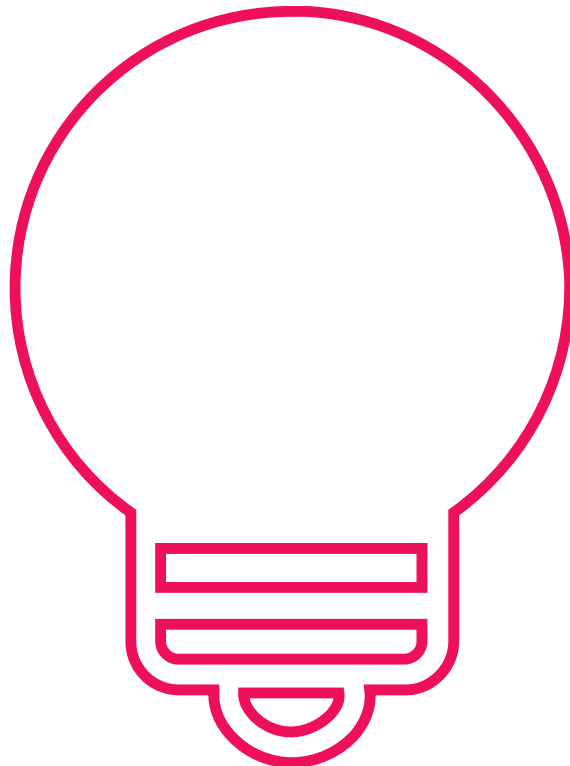
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**Something that you think was expensive to make**

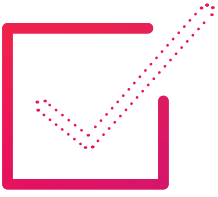
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**Find an object that you would change. How would you modify it?**



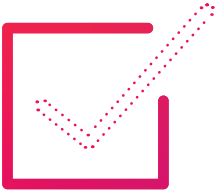
Choose different objects for each challenge. Find...

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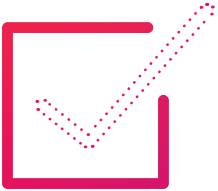
**Something you wish you'd invented**

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**Something with parts that turn or spin**

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**Three different objects made from plastic**

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**Can you come up with your own challenge?**

