



# RAILWAY MUSEUM



## GREAT OBJECT HUNT: DESIGN AND ENGINEERING

<b>EXPLORING</b> 	Ages <b>7-11</b> <b>11-14</b>	Topics <b>DESIGN 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.**

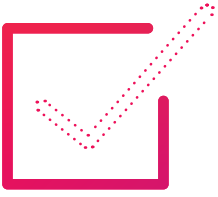
**Top tips for exploring...**

- **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>

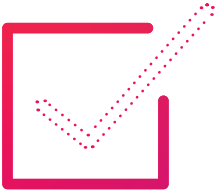
Choose different objects for each challenge. Find...

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**Something made from glass**

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**Something you could definitely not make from glass**

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

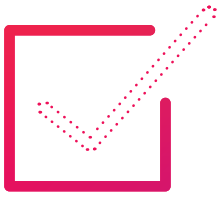
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**Find something with an interesting pattern and draw the pattern below**

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

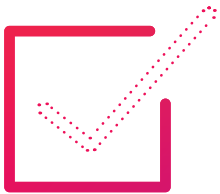
Choose different objects for each challenge. Find...

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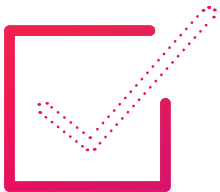
**Something more than 100 years old**

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**Something designed to solve a problem**

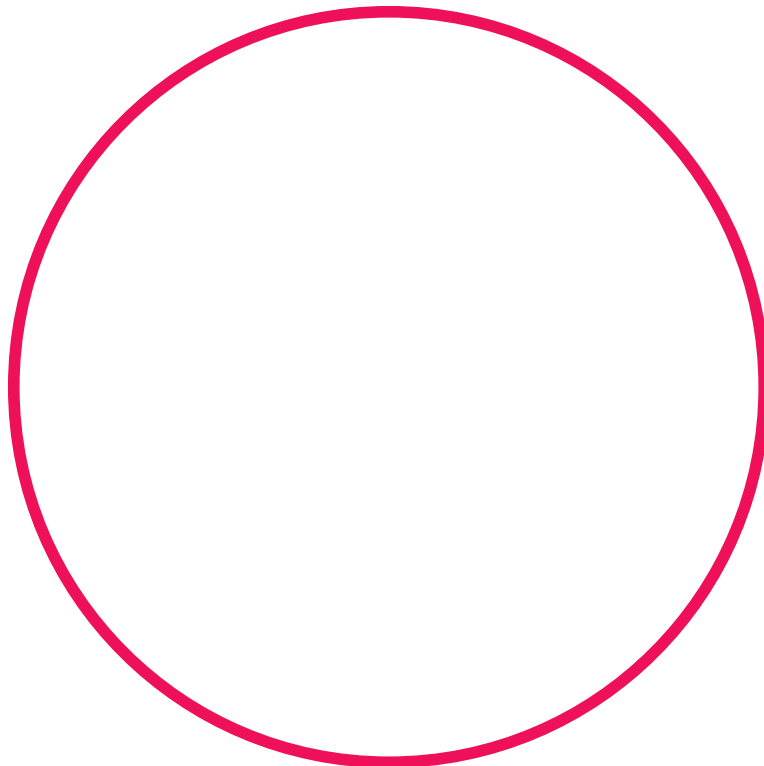
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**Something that's a strong shape**

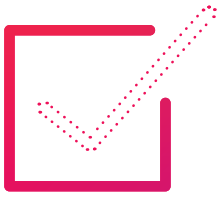
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**Something for each of the colours of the rainbow**



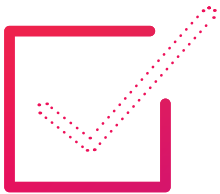
Choose different objects for each challenge. Find...

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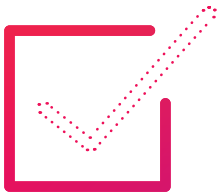
**Something that sends a message**

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**Something that would be useful at night**

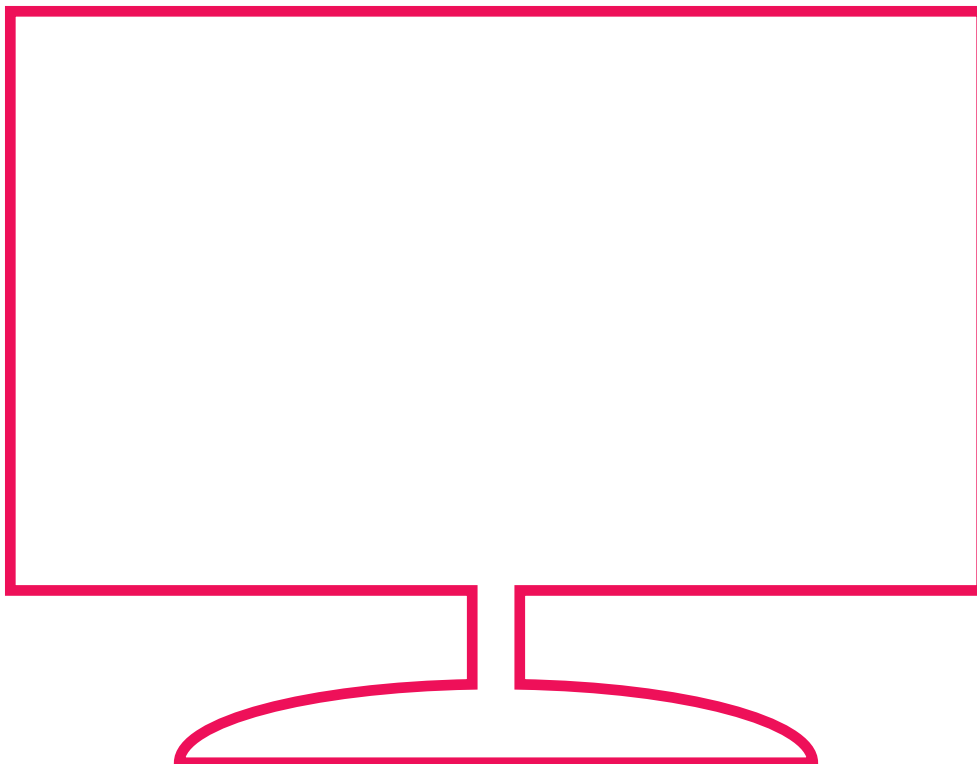
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**Something that could hold a liquid**

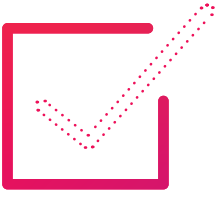
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**Choose an object and create an advertising slogan for it**



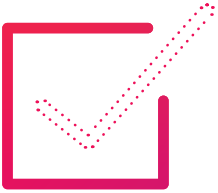
Choose different objects for each challenge. Find...

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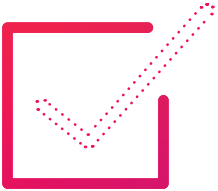
**Something that makes our lives easier**

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**Something made from five different materials**

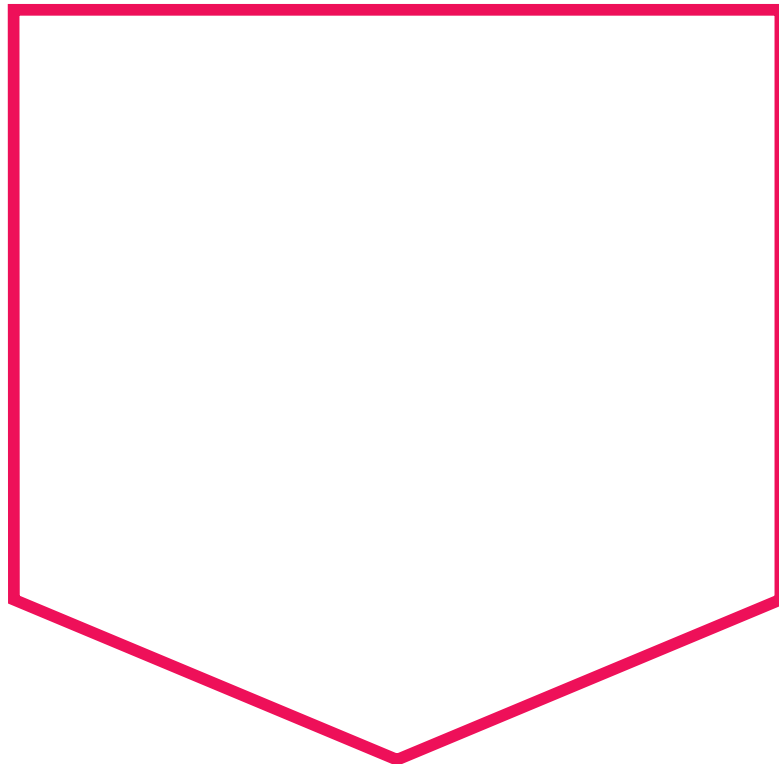
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**Something streamlined (shaped to cut easily through the air)**

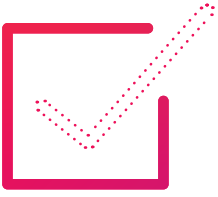
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**Something made from a material you're wearing**



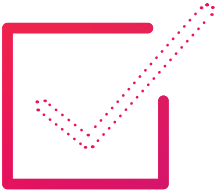
Choose different objects for each challenge. Find...

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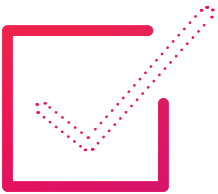
**Something you wish you'd invented**

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**Something you think was expensive to make**

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**Something that would make your journey more enjoyable**

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

