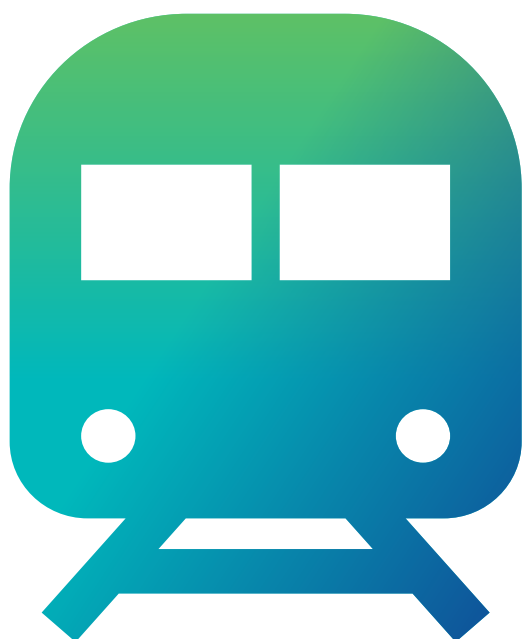




RAILWAY MUSEUM



GREAT OBJECT HUNT: FORCES

EXPLORING 	Ages 7-11 11-14	Topics FORCES	 30 MIN
	Skills used MAKING OBSERVATIONS · COMMUNICATION		

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.

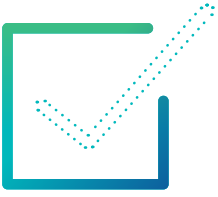
See how many challenges you can complete in 30 minutes.

Top tips for exploring...

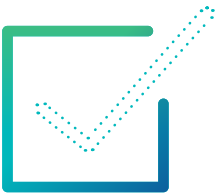
- **Find different objects for each challenge**
- **Look up, down and up close and see what you find**
- **Work together as a team and talk about your choices**
- **Write down or draw the different things that you find**

TEAM NAME:	
NAMES OF TEAM MEMBERS:	
FINISH TIME:	MEETING POINT:

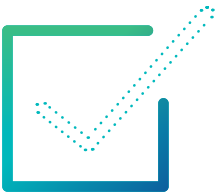
Choose different objects for each challenge. Find...



The biggest wheel you can

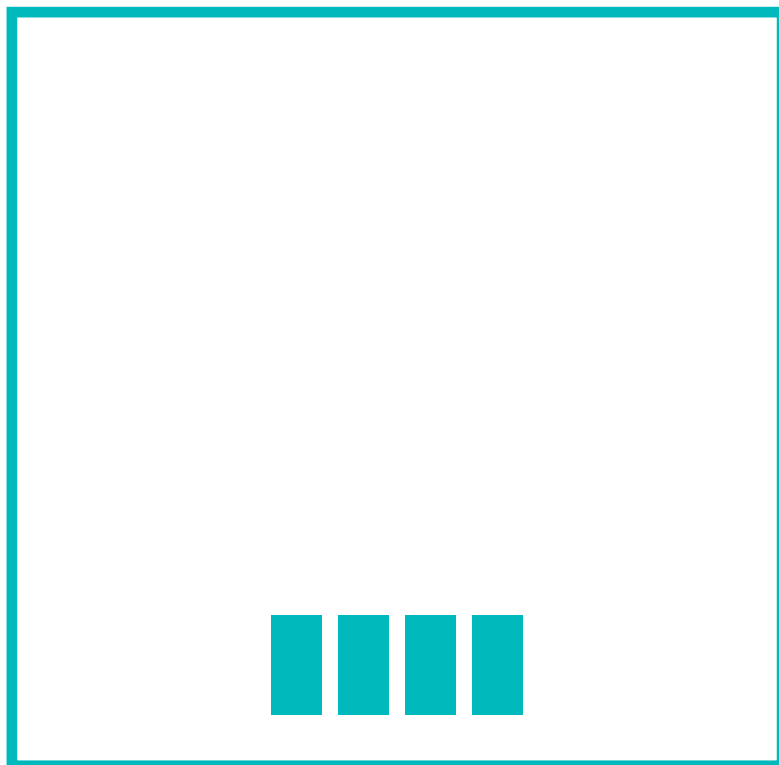


The smallest wheel you can

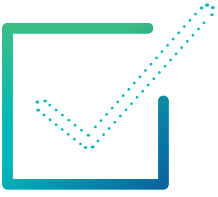


Something that turns but isn't a wheel

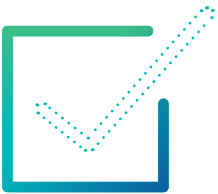
Something you think is the same weight as you



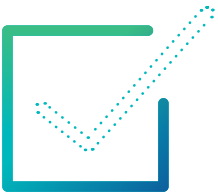
Choose different objects for each challenge. Find...



Something you think would break easily

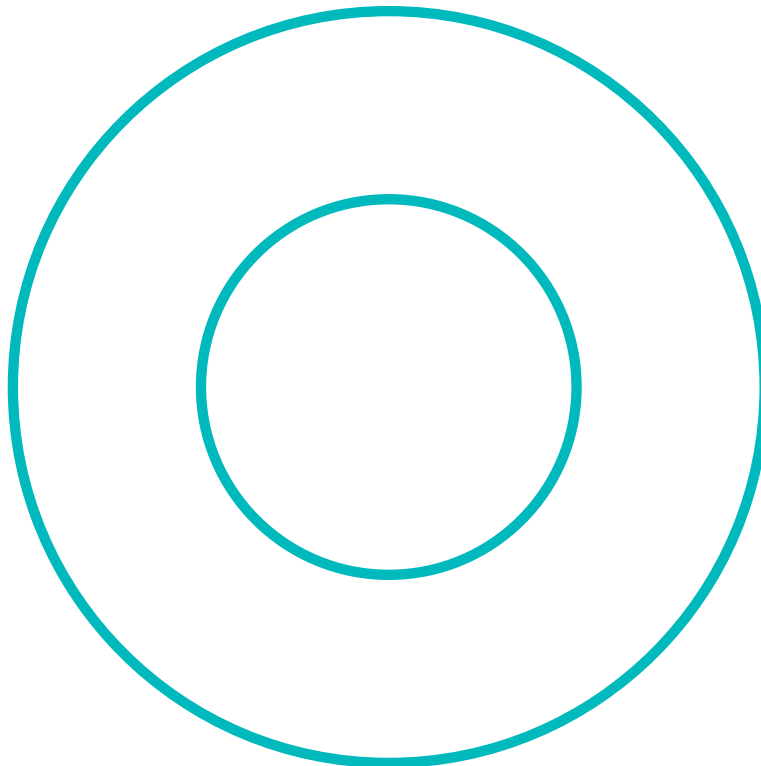


Something you think is strong

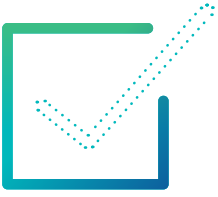


Something that makes our lives easier

A tyre and draw the pattern of its tread



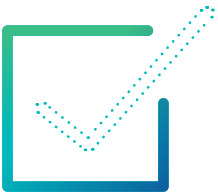
Choose different objects for each challenge. Find...



Something streamlined (shaped to cut easily through the air)

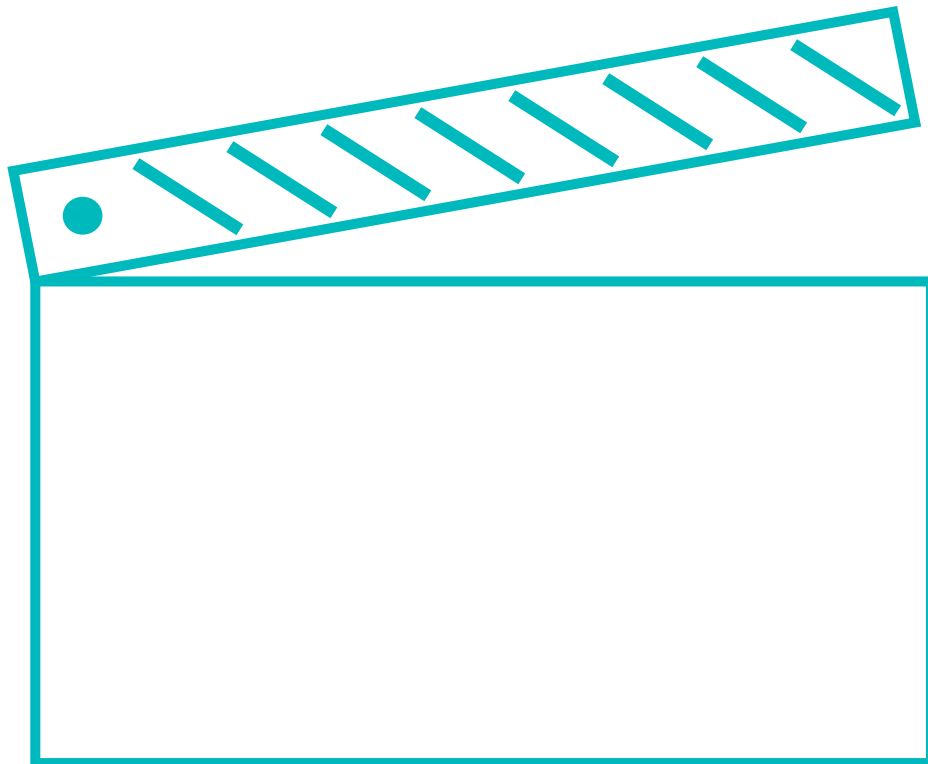


Something that is definitely not streamlined

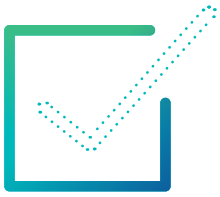


Something you think is magnetic

Choose an object and mime how you think it moved



Choose different objects for each challenge. Find...



Something powered by steam pressure

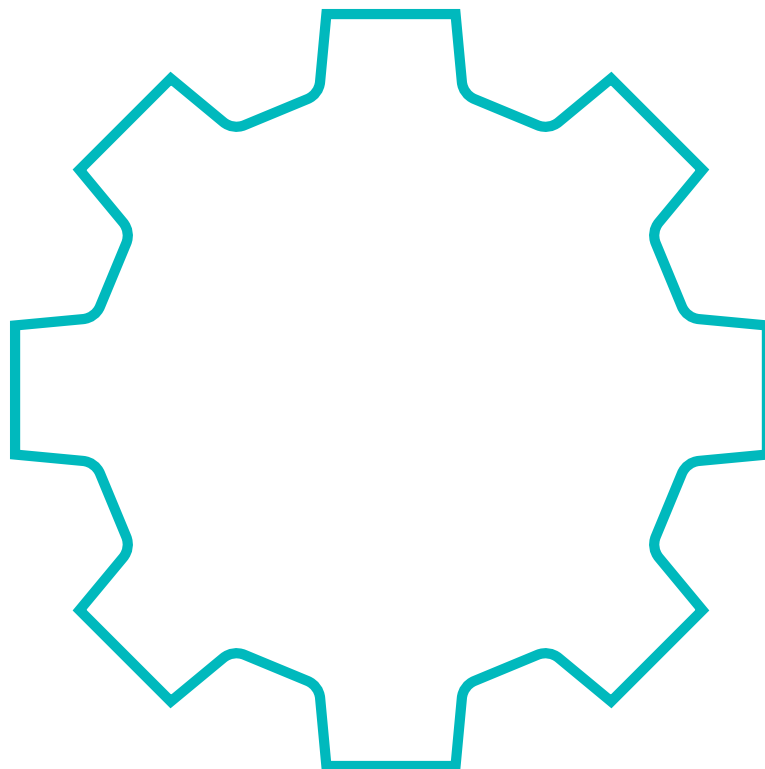


Something you move by hand

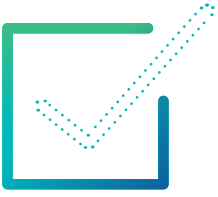


Something powered by electricity

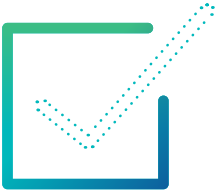
Something with a lever or gears



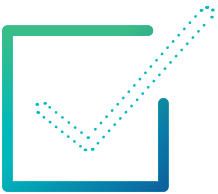
Choose different objects for each challenge. Find...



Something you think would take a long time to stop



Something you could use to keep your balance



Something that is a strong shape

Can you come up with your own challenge?

