

# THE SHIPWRECK CHALLENGE

Engineering is all about being curious, solving problems and making things. Cruise into your Holiday Makers voyage with this kick-starter challenge.

## YOUR CHALLENGE

### You'll need:

- Kitchen foil
- Ice lolly sticks
- Pennies (treasure)
- Container with water (or even a paddling pool)




**Your challenge is to build the ultimate tinfoil boat. Try different designs and see how much treasure you can load without becoming shipwrecked!**

- 1 Make** – Build your boat by bending the foil. What different shapes do ships have?
- 2 Predict** – How many pennies can your boat carry before sinking?
- 3 Test** – Put your boat into the water and count how many pennies it can hold before it sinks
- 4 Try again** – How could you improve your design? Can you use lolly sticks creatively in your design to carry more treasure?

If you enjoyed this challenge, you'll be pleased to hear it's just a taste of what's to come. The Holiday Makers Kicks off on 19<sup>th</sup> July with 6 more challenges, ideas for engineering days out and amazing prizes!

[yearofengineering.gov.uk/TheHolidayMakers](http://yearofengineering.gov.uk/TheHolidayMakers)

  
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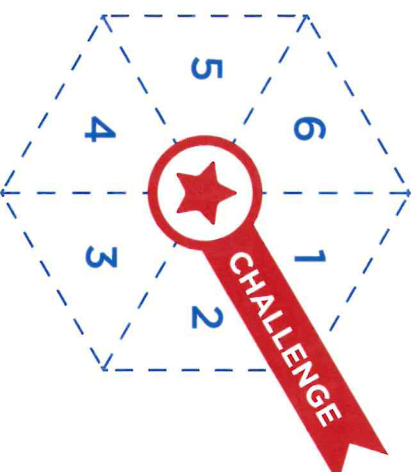


**STICK ME  
ON THE FRIDGE**

This summer join The Holiday Makers for fun, free and family-friendly weekly challenges from organisations like the RAF, the Science Museum and Kids Invent Stuff which are sure to keep the kids entertained and their minds sharp over the holidays.

Share photos of your completed challenges on social media using **#TheHolidayMakers** and you could win some amazing prizes, like a sleeperover at the Science Museum!

Check The Holiday Makers website each week to find out what the challenge is and take part.

<b>Challenge 1</b> Launching 19 <sup>th</sup> July	 <p>Colour in one section on the Holiday Journal stamp each time you complete a weekly challenge.</p>
<b>Challenge 2</b> Launching 27 <sup>th</sup> July	
<b>Challenge 3</b> Launching 3 <sup>rd</sup> August	
<b>Challenge 4</b> Launching 10 <sup>th</sup> August	
<b>Challenge 5</b> Launching 17 <sup>th</sup> August	
<b>Challenge 6</b> Launching 24 <sup>th</sup> August	

Visit [yearofengineering.gov.uk/TheHolidayMakers](http://yearofengineering.gov.uk/TheHolidayMakers) to sign up for your Holiday Journal and receive a special stamp for every challenge, activity or event you complete during the summer break.

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