

Investigating Foil Boats

You will need:

- Kitchen foil
- Scissors
- Bowl/sink/bath of water
- Objects to add to your boat - eg Lego, pennies, paperclips,



Please try this activity if you possibly can. It would be super to see your work when you join us in September, so please keep it somewhere safe. We are very much looking forward to meeting you!

The Science Team, BGHS.

Science Home Learning Task: Find out which boat can carry the most weight.

Before you start you need to see an adult to check what you are doing - and maybe they would like to join in!

You will need to think about:

1. You are going to make 3 or more boats from foil - you can reuse the same piece. You could ask other people at home to do this too and have a little competition.
2. To see which boat works best you will add objects to see how many it can hold before it sinks. Think about what you will use for this. It could be Lego, pennies, paperclips, amount of rice etc

I will use _____ to see which boat holds the most before sinking.

Prediction: What do you think will happen? (Which type of boat will float the best? Try to explain why you think this?)

Method:

To make your boat...

1. Cut out a square piece of foil approximately 20cm x 20cm
2. Fold your foil into a boat shape.
3. Place the foil boat into the bowl of water (or sink)
4. Add your objects until it sinks! Remember to count the number of objects you add to your boat.
5. Repeat the above if you are doing this yourself OR ask the next family member to add the same objects to their boat.

Result:s: Add your results below. You can use the table if you wish or write in the space. Also consider if there are any other ways to show your results

Boat type/name	Number of _____ it held before sinking.

Conclusion: What did you find out? Which boat was the best? (Was your prediction correct?) Can you explain this?

Evaluation: Can you think of a better way of finding out the exact amount of weight the boats could hold?