

# Why do things float?

**Learning Intention:** LI: Can I understand the relationship between gravity and the upthrust of water?

**Success Criteria:** SC: I can explain what upthrust is

I can draw force arrows

I can start to be determined

Equipment you might need:

1. tin foil (4+ equal sized pieces)
2. scissors
3. pencil/pen
4. something to record results
5. bowl of water / sink / bath
6. pennies / same coins

Example of results grid:

Design	Floats	pennies
1.		
2.		
3.		

## Key Vocabulary

**upthrust**

**force arrows**

**displacement**

**water resistance**

**forces**

**air resistance**

**gravity**

**surface area**

**friction**

**surface**

**push**

**pull**

**static**

**insulators**

**conductors**

Have fun, make mistakes and ask why?

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