



## **BALLOON CONCORDE**

Aeroplanes use thrust to move forwards. This is created by the aeroplane engines but you can create your own thrust using a balloon. Try creating your own balloon aeroplane to investigate how it works.



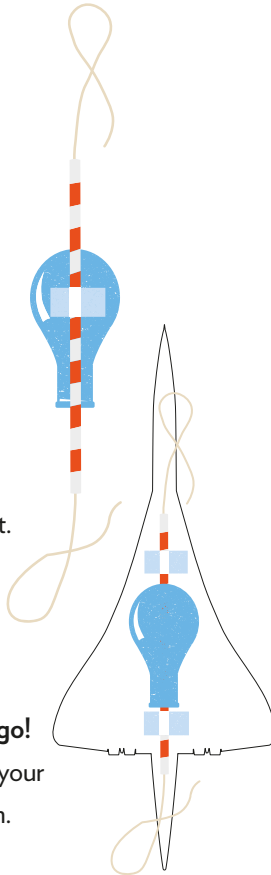
### **YOU WILL NEED**

- Balloon
- Sticky tape
- Metal, plastic or paper straw
- String
- Something flat to make Concorde  
(It could be plastic or card from the recycling)
- Concorde template  
(you can free draw if you like)
- Two chairs

1. Cut out our concorde template - or make your own template and cut out of card.
2. Stick the straw to the balloon with sticky tape.
3. Measure the string to the length you need and cut. E.g. between two chairs.
4. Thread the string through the straw.
5. Attach the string to a chair at each end.
6. Blow up the balloon and squeeze the end closed.

**Countdown: 5, 4, 3, 2, 1..... TAKE OFF and let go!**

**TOP TIP:** You can try attaching something onto your balloon aeroplane and watch it fly across the room.



**Watch our handy  
video tutorial at  
[aerospacebristol.org](http://aerospacebristol.org)**

### **HOW FAR CAN YOU MAKE IT GO?**

Does your Concorde balloon fly further if you blow up the balloon more?  
Measure your distance and share your flight using #aerospacechallenge and tag  
📌 @aerospacebristol 🐦 @BristolAero  
You can see how other people are doing!

