



S1 Science: Making Cayley's Glider

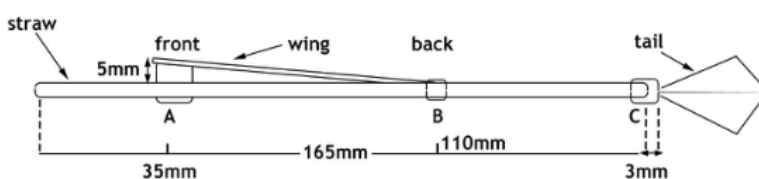
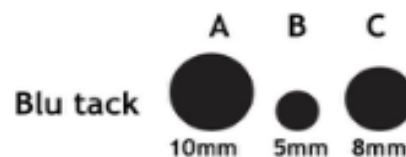
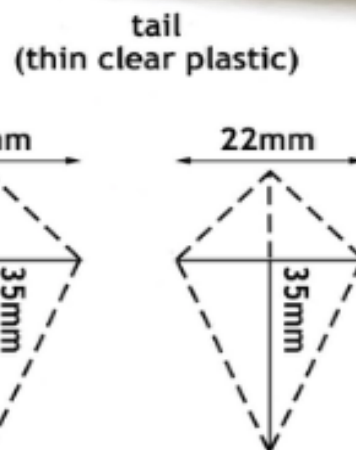
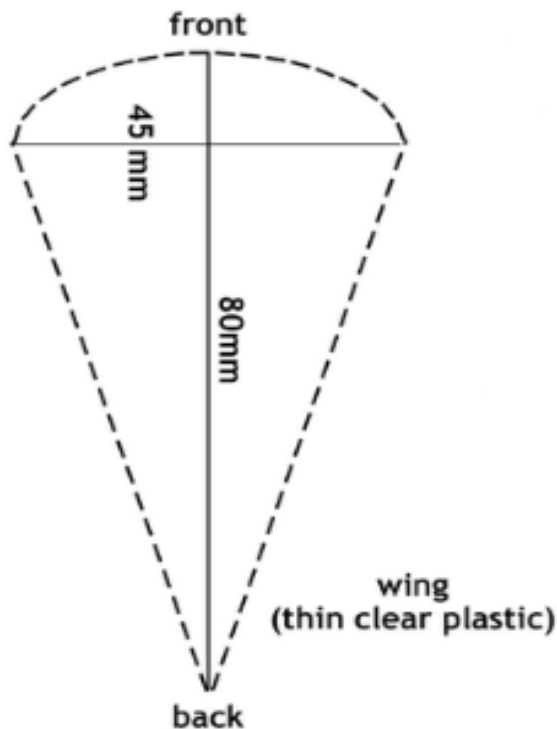
Follow all the instructions below to make your model of Cayley's glider. There are some ideas for substitutions if you don't have certain materials.

Equipment and Instructions:

- 1) Draw and cut out the **wing** and **two tail pieces** to match the shapes below. (You could use the diagram as a template).
- 2) Cut a slit halfway along each tail piece so that the **two diamond shapes slot together**.
- 3) Make **3 small balls of blu-tack**.
- 4) **Attach the wing and tail pieces** to your straw using blu-tack at points A, B and C.
- 5) Now **practice launching your glider** like you would throw a dart.

To make your model glider you will need:

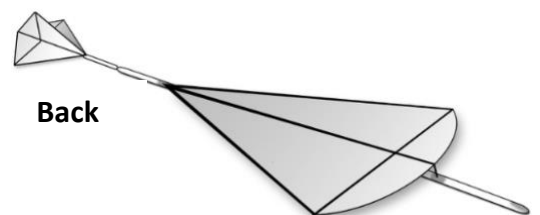
- **Blu-tack** (or sticky dots)
- Any **thin plastic** from packaging (thin card i.e cereal box could be used instead).
- **A straw** (paper or plastic)
- **Scissors**
- **A tape measure**



Front

Finished glider
(Not to scale)

Back



Front