

Pipe Planes

DID YOU KNOW?

 MARSHALL

Cambridgeshire businesses, such as Marshall, are leading the world in developing new and innovative technologies for the future. Marshall Aerospace works closely with the aviation industry, helping make aeroplanes more efficient and more environmentally friendly. Can you design a creative paper straw plane? How far can it fly?

RESOURCES:

- Paper straws
- Strips of paper/thin card, 2 to 3 cm wide, of various lengths
- Glue sticks / stick tape or masking tape
- Scissors
- More card for cutting strips of different length / thickness.



ACTIVITY:

Design and build a paper straw plane.

1. Take a long strip of paper, and add glue one of the short ends to the other short end, using a glue stick or stick tape / masking tape, to create a loop.
2. Do the same with a shorter strip of paper, creating a smaller loop.
3. Use glue or tape to attach the loops to either end of a straw.
4. Throw your paper straw planes small loop forwards and see if they fly.
5. Try different lengths and thicknesses of paper strips, adding extra loops in the middle of the straw, and see which design flies best.

CHALLENGES:

- Which plane can fly the farthest? How can we check?
- Can you make a different design? Does it work better or not?

Cambridge LaunchPad is a collaboration of Greater Cambridge science, technology, engineering and maths (STEM) organisations, who invest their talent and resources to inspire school children and young people into STEM careers. Our Industry Partners and School Partners are at the heart of the programme experience. By connecting education and employment, we can showcase the diverse range of careers and education pathways into STEM industries and meet the growing demand for a skilled workforce in the Greater Cambridge region.