

PRODYOGIKI '19

PAPER PLANE

Have you ever wondered what makes a paper plane fly? Some paper planes clearly fly better than others. But why is this? One factor is the kind of design used to build the plane. In this activity you'll get to build a paper plane and change its basic design to see how this affects its flight. There's a lot of cool science in this activity, such as how forces act on a plane so it can fly.

General Rules:

1. Paper planes must be made on spot with the provided paper (International A4 Size).
2. Only one piece of paper per plane may be used.
3. Cheating or tampering with paper will warrant immediate disqualification.

Judging criteria:

1. Each student will get 4 throws. Students may use the same plane for each throw or construct a new plane for the consecutive throw.
2. Students must not overstep the marked 'throwing line/mark', if a thrower steps over the line the throw will not be counted or measured.
3. Distance will be measured in a straight line from the throwing mark to where the plane first hits the ground or an object (whichever first).
4. Time will be measured from the moment the plane leaves the hand to when it hits the ground or an object (whichever first).