

## Rocket Factory 1

<b>Subject Area(s):</b>	Science, Technology
<b>Key Stages:</b>	Ideal for KS 1,2 and 3
<b>Time Requirements:</b>	
Set-Up Time	15 Minutes
Duration	50 Minutes
Reset Time	5 Minutes
Set Down Time	15 Minutes



**Description:** Design, build, fly and take home your own rocket in 45 minutes flat. Our rocket factory lets everybody build a rocket of their own. The session includes an introduction to the mechanics of flight and the design of rockets. Finally take the rockets out for a test flight from one of our compressed air launchers. A well constructed rocket can sometimes fly as high as 30m into the air!

**Learning Points:**

- Mechanics of flight
- Design and construction of rockets
- Materials and their properties

**Group / Class Size:** 40 maximum

**Space Requirements:** Area for rocket construction with flat surfaces (i.e. tables, hall floor.) Outdoor area for launching such as playground.

**Equipment Requirements:** All equipment required will be brought by Starchaser staff.

**Notes:** No additional notes