

## Rocket Factory 2

**Subject Area(s):** Science, Technology

**Key Stages:** Ideal for KS 3 and 4

**Time Requirements:**

Set-Up Time	30 Minutes
Duration	½ Day
Reset Time	10 Minutes
Set Down Time	20 Minutes



**Description:**

A practical activity in which pupils build and fly a real solid motor powered rocket. The 3 hour sessions building and flying the models are closely supervised by Starchaser staff to ensure that the models are constructed to the high standard required to fly. The Staff are also on hand to explain the workings of the rocket and the subtleties of the design and construction process. Models vary in size between 20-50cm tall and flights vary in altitude between 100-300m. The models are safe, reliable and reusable.

**Learning Points:**

- Mechanics of flight
- Design and construction of rockets
- Chemistry of rocket engines

**Group / Class Size:** 40 maximum

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

**Equipment Requirements:** Suitable surfaces for cutting and glueing

**Notes:** Maximum group size of 40 working in pairs