

Starchaser Primary Package

Subject Area(s): Science and Technology

Key Stages: Ideal for KS 1 and 2

Time Requirements:

Set-Up Time	15 Minutes
Duration	½ day
Reset Time	5 Minutes
Set Down Time	15 Minutes



Description:

A comprehensive package of activities for a half or full day event themed on Starchaser and rocketry. Practical activities are suitable for class sized groups whilst the introductory talk and rocket demonstration can accommodate any number. Starchaser's presenters talk about a range of topics including, rocketry, living in space, orbits and spatial mechanics, forces and rocket chemistry. The package includes a session of Rocket Factory 1.

Learning Points:

- Forces
- Historical events
- Rocket science
- Design and construction of rockets
- Mechanics of flight
- Materials and their properties

Group / Class Size: 40 maximum

Space Requirements: Seating space for audience during talk
Area for rocket construction with flat surfaces (i.e. tables)
Outdoor area for launching such as playground.

Equipment Requirements: Data projector, screen and speakers (in general built in and PC speakers are inadequate for the task).

Notes: No additional notes

Starchaser Primary Package

Package Breakdown

The Starchaser Primary Package can be a half or full day session.

This example timetable is based on a typical school day but timings are flexible to suit your needs..

To create a full day session *Team Starchaser*, *It Came from Outer Space* and *Rocket Factory 1* sessions are repeated in the afternoon, and the *Model Rocket Launch* delayed until the end of the day.

09:10 – 10:00

Team Starchaser Talk

- The Team Starchaser Talk is identical to the presentation booked as a standalone session.
- Suitable for both Key Stage 1 and 2. The talk can be targeted specifically at a single age group or be more general for both.
- Please remember when planning your session that the audience size cannot exceed the maximum number of persons permitted by your venue, and that in poor acoustic conditions our Presenters may have difficulty making themselves heard to larger groups.

10:00 - 10:20

It Came from Outer Space

- This session is an object handling session designed to stimulate a group discussion. The objects that we bring include a meteorite, samples of space food, and a sample of a space shuttle tile.
- The number of pupils affects the type of session that can be delivered. For smaller groups (class sized) every participant will handle each item. For larger groups this is not practical and so the session becomes a 'show and tell' style presentation.

10:20 - 10:40

Break

10:40 - 11:40

Rocket Factory 1

- The Rocket Factory 1 is identical to the presentation booked as a standalone session
- The session accommodates up to 35 pupils each building a rocket.

11:40 – 12:00

Model Rocket Launch

- This is a demonstration of one of our model rockets. The rockets used are around 30-50 centimetres tall and will fly 50 – 200 metres in the air.
- Flight depending on weather conditions and available space.