

## Space Exploration Package

<b>Subject Area(s):</b>	Science
<b>Key Stages:</b>	Ideal for KS 2
<b>Time Requirements:</b>	
Set-Up Time	15 Minutes
Duration	½ Day
Reset Time	5 Minutes
Set Down Time	15 Minutes



**Description:** Designed to link directly with The Earth and Beyond topics at Key Stage 2. The Space Exploration Package takes groups of pupils on a virtual journey through our solar system. Students look at each of the objects in the solar system examining each of the planets in depth to build up a planetary profile as well as looking at the different moons and the possibility that some of them could sustain life. Activities include demonstrating the orbits of different planets, games and alien art.

**Learning Points:**

- Our solar system
- Forces and their effects
- Scale and distance
- Orbits

**Group / Class Size:** 60 maximum

**Space Requirements:** Seating space for audience  
Area for crafts and games

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

**Notes:** No additional notes

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## Package Breakdown

The Space Exploration Package is a half day session.

This is an example timetable based on a typical school day, but timings are flexible and can be tailored to suit your school day.

To create a full day session, 'Plamingo' and 'Alien Impressions' are repeated in the afternoon, and the 'The Search for Life' delayed until the end of the day.

### **09:00 – 09:30**

#### **Introduction to Starchaser**

- Who we are and what we hope to achieve, focusing on the spirit and determination of the Starchaser team. A great motivator for all.

### **09:30 – 10:30**

#### **Our Solar System**

- Looking at the Sun, Planets, major moons, and other features of our stellar neighbourhood and comparing their qualities

### **10:30 – 10:45**

#### **Plamingo**

- A fun and exciting quiz show style game to cement some of the ideas talked about in the presentation

### **10:45 – 11:00**

#### **Break**

### **11:00 – 11:20**

#### **Alien Impressions**

- As a prequel to the final part of the day, working in small teams, children will design what they perceive to be a real alien that would be capable of surviving on one of the planets or moons discussed in the presentation

### **11:20 – 12:00**

#### **The Search for Life**

- A presentation/discussion on what aliens might actually be like and how they might survive on planets or moons within our solar system