

The background of the entire page is a deep space scene. At the top center is the planet Jupiter, showing its characteristic bands. To the right is a large, partially visible Earth, showing continents and clouds. The rest of the background is filled with a dense field of stars and some nebulae.

# INTERGALACTIC INVESTIGATORS

## SCIENCE

- Describe the movement of the Earth, and other planets, relative to the Sun in the solar system. (PHYSICS)
- Identify scientific evidence that has been used to support or refute ideas or arguments. (PLAN, DO, REVIEW)
- Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object. (PHYSICS)
- Identify the effects of air resistance, water resistance and friction, which act between moving surfaces. (PHYSICS)
- Plan different types of scientific enquiries to answer questions (PLAN, DO, REVIEW)
- Take repeat readings when appropriate (PLAN, DO, REVIEW)
- Record data and results (PLAN, DO, REVIEW)
- Make predictions to set up further comparative and fair tests (PLAN, DO, REVIEW)
- Report and present findings from enquiries (PLAN, DO, REVIEW)
- Describe the Sun, Earth and Moon as approximately spherical bodies (PHYSICS)
- Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky. (PHYSICS)
- Explain why the moon appears to change shape. (PHYSICS)

## MUSIC

- Appraise 'The Planets' by Gustav Holst. (MUSICAL APPRECIATION)
- Compose a piece of music linked to your 'home planet', including notations. (MUSICAL DIMENSIONS)

## ART & DESIGN

- Create tone and texture using shading and contouring. (MEDIUM)

## DESIGN & TECHNOLOGY

- Know what makes a good algorithm and how to test and debug them. (CONTROL)
- Use technology to create a multimedia presentation. (CREATE)
- Search for data and create a database of the planets. (UNDERSTAND)