

E12 Deep Space

Level(s) – yr 7 -13



Lesson Focus:

Objects beyond the Solar System

Specific Learning Outcomes:

At the end of this lesson the students will be able to...

- Identify what types of objects are found outside our Solar System
- Discuss the relationship between nebulae, stars, and galaxies

Suggested Learning Activities:

(identify some potential learning activities)

- **Beyond the Solar System: (yrs7-13, approx 30mins)**
An educator-lead presentation which identifies how nebulae are involved in the formation of stars and solar systems, the death of different star types, and a discussion of planets orbiting other stars, and galaxies.
- **Black Holes: (yrs7-13, approx 10mins)**
Students are guided through an interactive website about black holes.

Curriculum Links:

e.g. Science – Astronomical Systems L4-7

Science:

Planet Earth and Beyond
Astronomical Systems
Interacting Systems

Science:

Physical World
Physical Inquiry and Physics Concepts

Key Competencies:

Please tick:

Thinking

Using language, symbols and texts

Participating and Contributing

Prior Knowledge and Experiences:

Familiarity with objects in the Solar System

Some previous exposure to deep space objects is preferred, but presentation is customizable for different knowledge levels.