

# E17 Stars

LEVEL(s): yr 9 - 13



## LESSON FOCUS

Star types and life cycles.

## SPECIFIC LEARNING OUTCOMES

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

- 1) Discuss different star types and what determines them.
- 2) Identify ways to learn about stars and their lives.

## LEARNING ACTIVITIES

- **Life of Stars:** (yrs 9 - 13)

A presentation is given which discusses formation of stars, what determines their size and fate, death of different star types, the HR Diagram, and how we learn about stars.

If time allows students can the predict future of stars, given information such as mass and/or spectral type.

## CURRICULUM LINKS

**SCIENCE:** Planet Earth and Beyond

- Astronomical systems
- Interacting systems

**SCIENCE:** Physical World

- Physical Inquiry and Physics Concepts

## KEY COMPETENCIES

Thinking

Using language, symbols and texts

Managing Self

Relating to Others

Participating and Contributing

## PRIOR KNOWLEDGE AND EXPERIENCES

Some previous exposure to different star types is preferred, but the presentation is customizable for different knowledge levels.