

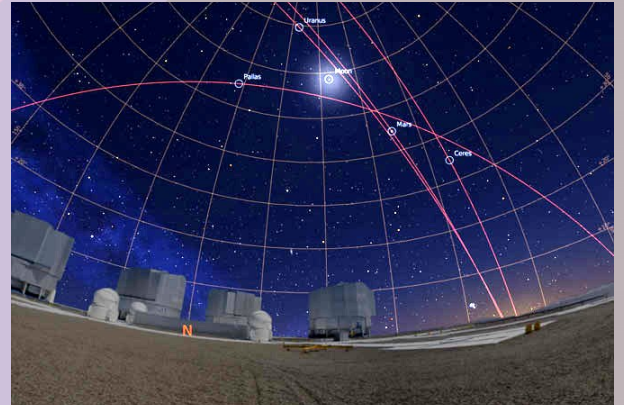


VICTORIAN  
SPACE SCIENCE  
EDUCATION  
CENTRE

# VCE: Astronomy

## A full-day program covering Key Knowledge and Skills for VCE Physics Unit 1 Detailed Study 3.1.

Students use the Stellarium planetarium software to observe the diurnal and annual motion of the stars and planets and plot their position as a function of time of day and time of year. Students use this information to discuss models of the models of the solar system.



Students use the CLEA (Contemporary Laboratory Experiences in Astronomy) software to make observations of Jupiter and its satellites. Students graph their observations and use their results to derive the mass of Jupiter.

Students familiarize themselves with a variety of telescopes and their safe operation, including both optical and radio telescopes. Students



also investigate the activities of the ATNF (Australia Telescope National Facility) and Australia's involvement in astronomical research including the new Square Kilometre Array (SKA).

This program includes a pre-visit lesson to introduce students to the topic, a student workbook which provides teachers with a basis to assess the unit and a teacher assessment package with the results of the students' activities.

**Year level:** 11

**Time:** 9:15am — 3:00 pm

**Cost:** \$25 per student plus GST. (Interstate and international students P.O.A. Please ask if your school is eligible for a subsidy.)

**Maximum group size:** 24 students

Victorian Space Science  
Education Centre  
400 Pascoe Vale Road,  
Strathmore VIC 3041

Ph: (03) 9379 3456  
Fax: (03) 9374 3855

bookings@vssec.vic.edu.au

www.vssec.vic.edu.au

# VCE: Astronomy – Booking Form



Bookings can also be submitted online at [www.vssec.vic.edu.au](http://www.vssec.vic.edu.au)

**Name:** \_\_\_\_\_

**School Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**Telephone:** \_\_\_\_\_ **Fax:** \_\_\_\_\_

**Email address:** \_\_\_\_\_

**Number of students attending (max 24):** \_\_\_\_\_

Morning tea/lunch optional @ \$10 (plus GST) per person.

**Student lunches required (please circle):** YES NO

A maximum of 4 teachers can accompany the students at no cost.

**Number of teachers attending:** \_\_\_\_\_ **Number of teacher lunches required:** \_\_\_\_\_

Please nominate three dates/times in order of preference.

Bookings are popular and are allocated on a first come first served basis.

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

VCE: Astronomy - \$25 (plus GST) per student. (Interstate and international students P.O.A. Please ask if your school is eligible for a subsidy.) Includes:

- All equipment and manuals used during the mission;
- Teacher assessment package;
- Morning tea/lunch optional @ \$10 ( plus GST) per person.

If lunches are requested, dietary requirements will be required at least 1 week prior to your session, if no dietary requirements are received we will supply the standard lunch.

Your reservation will be confirmed via email. You will then have one week to confirm your booking with a \$100 non-refundable deposit. Upon receipt of your deposit your pre-program training material will then be sent to you.

Liability: Schools may be liable for any damages caused by their students to any equipment or furniture within the Space Centre.

**Victorian Space Science  
Education Centre**

400 Pascoe Vale Road  
Strathmore VIC 3041

Ph: (03) 9379 3456

Fax: (03) 9374 3855

[bookings@vssec.vic.edu.au](mailto:bookings@vssec.vic.edu.au)

[www.vssec.vic.edu.au](http://www.vssec.vic.edu.au)

**Please make cheques  
payable to:**

Strathmore Secondary  
College

Ref: Astrodeposit

ABN: 52 165 055 724