

# Amazing Space!

May - July 2017

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Getting started in astronomy is as easy as looking up. This poster shows you how to find the planets Jupiter and Saturn plus the Moon and constellations without a telescope.

## See the Moon and Jupiter together on 7 and 8 May 2017

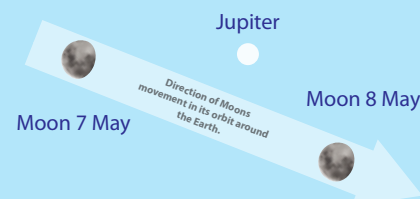


Chart prepared for 6.30 pm AEST. Look low above the Eastern horizon as evening twilight ends.

## See the Moon pass Jupiter on 3 and 4 June 2017

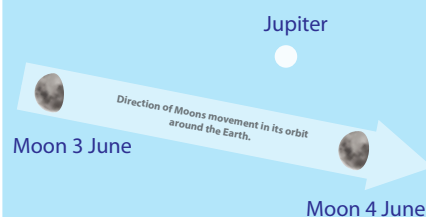


Chart prepared for 6.30 pm AEST. Look above the Northern Eastern horizon as evening twilight ends.

## See Mars, Saturn, Antares and the Moon together on 14 and 15 July 2017



Chart prepared for 6.30 pm AEST. Look above the Eastern horizon as evening twilight ends.

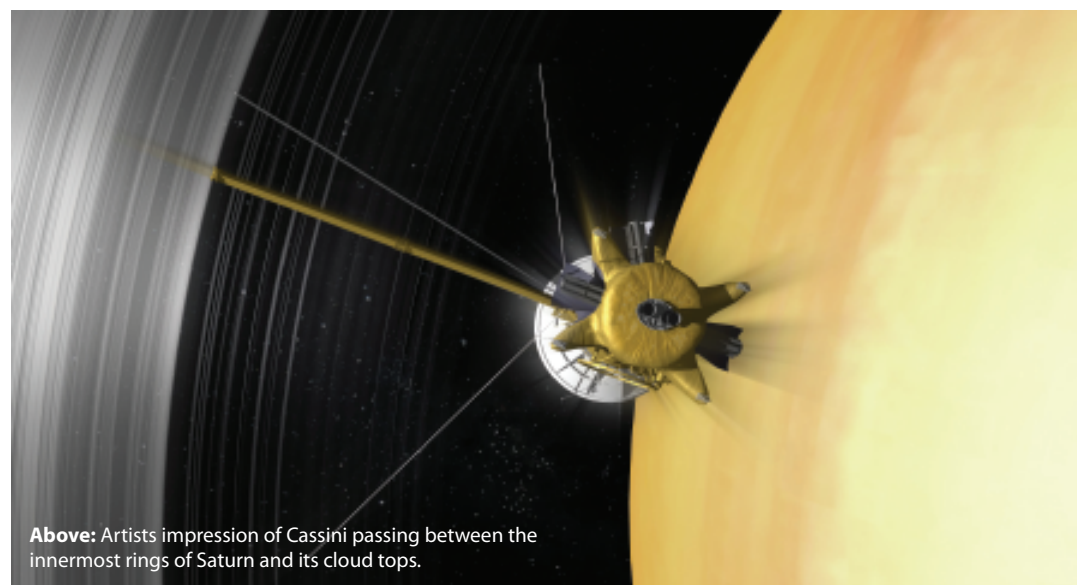
## See a planet without a telescope

Despite what many people think, you don't need a telescope to see a planet in the night sky. The origins of word planet (ancient Greek for 'wandering star') gives you a clue as to what you need to look for.

To make planet spotting even easier, use the Moon as a celestial signpost to find Jupiter and Saturn at different times during May, June and July 2017. The charts at left are for the evening sky. More charts can be found online at Nightskyonline.info.

## Say goodbye to Cassini

The NASA/European Space Agency Cassini spacecraft will be deliberately destroyed when it plunges into Saturn's atmosphere this September. The fiery end has been chosen to protect Enceladus (one of Saturn's moons) oceans from contamination by Earth bacteria. Follow the missions end at NASA.gov.



Above: Artists impression of Cassini passing between the innermost rings of Saturn and its cloud tops.



Above: Artists impression of Cassini being destroyed as it enters Saturn's atmosphere on 15 September 2017. Watch the Youtube video at <https://www.youtube.com/watch?v=xrGAQCq9BMU&t=17s>

## Constellations

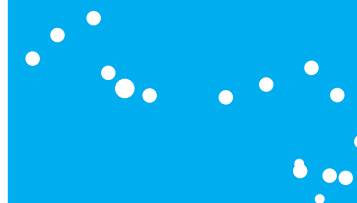
Constellations are imaginary pictures in the sky. Can you imagine a giant Cross or a Scorpion in the night sky? Use these charts to help you find the stars around which the ancient Greek people created their constellations.

### Crux 'The Southern Cross' and 'The Pointers'



Look above the southern horizon at the end of evening twilight (April-June).

### Scorpius 'The Scorpion'



Look low above the south-eastern horizon at 7.30 pm in early May and 6.30 pm in early June.

## Other Astronomy Events

- 4 May - The star Regulus is occulted by the night (right) side of the Moon.  
*Brisbane / Gold Coast* - Look at 8.14 pm AEST  
*Canberra* - Look at 8.11 pm AEST
- 21 June - Winter Solstice. The shortest day of the year.
- 4 July - Earth is furthest in its elliptical (egg shaped) orbit from the Sun for the year.



## Date claimer 2019 Astronomy and Space Science Education Conference

**Who?** K- 12 teachers, school leaders and preservice teachers.  
**What?** 5 hours of teacher identified STEM professional development.  
**When and where?** Saturday 2 March 2019, Giralang Primary School, A.C.T.  
**Conference website:** <https://sites.google.com/site/asseconference/home>

## Moon Phases



30 May  
29 June  
28 July



3 May  
1 June  
1 / 31 July



6 May  
4 June  
4 July



11 May  
9 June  
9 July

## Canberra Portable Planetarium "Bring the universe to your school."



<https://sites.google.com/site/canberraportableplanetarium/>