

Education program overview

DAY SCHOOL VISITS

Astronomy

This 90 minute tour led by astronomy guides takes school groups of all ages inside Australia's most historic observatory to experience contemporary astronomy. This includes the 3-D Space Theatre interactive astronomy experience, a planetarium constellation and star story demonstration and telescope viewing from the two domes. On clear days students can safely view objects like the Moon, Venus, bright stars and the Sun using a special (safe) solar telescope. Tours are tailored to the needs of different education stages. Tours can also integrate Indigenous Astronomy, Built Environment and HSIE key learning areas. Further information at: www.sydneyobservatory.com.au/education/school_day_astronomy.asp

Weather

This 90 minute tour led by meteorology guides takes school groups of all ages through the new *Observing the weather* exhibition and a presentation on reading and using weather maps. Students also use real instruments to gather and record current weather data for an interactive 3-D astronomy experience. Further information at: www.sydneyobservatory.com.au/education/school_day_weather.asp

Day visit cost: \$10 per student or \$9 if a joint visit with the Powerhouse Museum, IMAX, Sydney Learning Adventures, Australian National Maritime Museum

NIGHT SCHOOL VISITS

Night sessions are held at 6.15 pm and 8.15 pm in winter months and 8.15 pm during daylight saving. Students are led through the 3-D Space Theatre demonstrations and telescope domes by an astronomer and can view the Moon, the planets, double stars, star clusters and nebulae (weather permitting). The planetarium is also available for education tours on request.

Cost: \$12 per student



COURSES FOR STUDENTS AND TEACHERS

HSC Relativity

Tuesday 21 and Thursday 23 February 2012
6.00–8.00 pm

These one night courses are designed for Year 11 or 12 students accompanied by teachers. Alternatively with groups of 20 or 40 you can book a special session any time of the year. **Cost:** \$15 students/adults, \$12 members students/adults. Teachers accompanying a minimum of two students are free.

Astronomical concepts

Weekly for 6 weeks

6.00–8.30 pm

Instructor: Dr Paul Payne

Advanced concepts in astronomy are explained using high-definition 3-D imaging. Delve deeper into your understanding of how the universe works. Some advanced topics in physics will be covered in a descriptive and non-mathematical fashion, including quantum mechanics and relativity, both necessary for a contemporary description of the universe.

Cost: \$250 adults, \$200 members & school teachers

FURTHER INFORMATION

For further information and bookings visit www.sydneyobservatory.com

Bookings staff are available Monday to Friday 8.30 am–4.30 pm, Tel 9921 3485, Fax 9921 3489

Or contact Geoff Wyatt, Senior Astronomy Educator, Ph 9921 3481, email geoff.wyatt@pjm.gov.au