

Stardome Observatory and Planetarium

School Booking Information

We aim to inspire, challenge and motivate students to learn about astronomy and more!



ADMISSION PRICES

| Rates | LEOTC | EDU non-LEOTC |
|---|--------|---------------|
| Students | \$7.00 | \$11.00 |
| Adults | \$7.00 | \$11.00 |
| Teachers | \$7.00 | \$11.00 |
| One adult free with every eight students | | |

All state, integrated or registered private schools qualify for the LEOTC (learning experiences outside the classroom) discount rate.

A \$250 cancellation fee applies if 15 working days' advance notice is not given.

A minimum charge of \$250 applies to groups of 35 students or less.

Stardome will invoice your school for the amount due following your visit. Alternatively, you may make a single payment of the full amount at the time of your visit.

SESSION TIMES

| | |
|----------------------------------|-----------------|
| Daytime: Monday-Friday | 9:00am-10:30am |
| | 10:00am-11:30am |
| | 11:00am-12:30pm |
| | 12:00pm-1:30pm |
| | 1:00pm-2:30pm |
| | 2:00pm-3:30pm |

Please note: each group session is 90 minutes in length

Due to limited space, we can only accommodate your students during their scheduled session time.

SESSION SIZES

Maximum group size: 86 per session (Includes all accompanying adults)

Stardome is unable to accommodate extra participants due to Health & Safety regulations.

BOOKING INFORMATION CONTACT

Jasmine McConnachie
E-mail: jasminem@stardome.org.nz
Ph: 09 624 1246 ext 201
Fax: 09 625 2394

Stardome Observatory educational sessions are often booked a term in advance. Before contacting us with your booking request please identify possible dates and time for your visit.

Stardome Policies

RISK ASSESSMENT FOR SCHOOL GROUP VISITS

We have a risk assessment template on our website: www.stardome.org.nz

We have a fully equipped first-aid kit at reception and two trained first-aid staff members on site if required.

Our building is equipped for wheelchair access to bathroom facilities, planetarium and the Space Room Auditorium.

The Stardome planetarium has a hearing loop for those who are hearing impaired.

LATE ARRIVAL

Late arrival will result in a reduced program. We advise all groups to arrive at reception 5 minutes before their start time. Late arrivals cannot be admitted into the Stardome planetarium. Please allow time to find parking.

GROUP EXPECTATIONS

Please do not allow students to bring in items you would not normally allow in class (food, drink, cell phones, chewing gum, laser pointers or marker pens).

Due to limited space, we can only accommodate your students during their scheduled session time. If you plan to be at One Tree Hill for longer than your scheduled session time, please make suitable wet weather arrangements for activities such as eating lunch.

Due to limited storage space please leave school bags at school or on the bus.

Stardome Educators expect students to listen to their instructions and treat differing ideas with respect.

At Stardome we are your hosts and your educators. On the rare occasion of serious or unsafe behavior, a teacher or caregiver may be requested to remove disruptive students.

GIFT SHOP POLICY

The shop is not available during school visits unless specifically requested by the teacher in advance. If you have requested access to the shop please remind reception upon arrival.

EDITH WINSTONE BLACKWELL TELESCOPE

Due to very limited capacity in the Zeiss telescope dome (no more than 25 people), we cannot usually accommodate school groups to see the Edith Winstone Blackwell Telescope. Also note there is no wheelchair access to this instrument.

Planning Your Visit

YOUR VISIT WILL INCLUDE THREE PARTS:

Part 1

50 minutes in the planetarium where the class will be shown a **feature show followed by an educator led night sky presentation**. From the following list please choose a feature show for your visit and write on the booking form (Page 5):

- ★ **The Little Star That Could.** Experience one star's search for planets to protect and warm. Learn about different stars and come along for the ride as he meets interesting characters like "Pearl", "Goldie" and "Big Daddy" and makes other discoveries in the galaxy. **(Year 0-4)**
- ★ **Secret of the Cardboard Rocket.** A fun story following two children who build a cardboard rocket that takes them on an informative and very visual tour of the Solar System accompanied by a very helpful Astronomy book. **(Year 0-6)**
- ★ **Big** journeys from our Solar System out past nearby stars, through the galaxy and beyond, revealing the scale of astronomical distances in a fun, thought-provoking presentation narrated by Richard Attenborough. **(Year 3-8)**
- ★ **Wonders of the Universe.** Takes you on a journey from the far reaches of the cosmos encountering galaxies, stars, nebulae, clouds of gas and dust and finally meeting each of the planets in the Solar System. **(Year 4-13)**
- ★ **Astronaut.** Takes you on a roller-coaster ride into space and a virtual tour of a space station. With some help from a test dummy named 'Chad' we are introduced to the dangers astronauts face in space, the affects that space has on the human body and the training needed to become an astronaut. **(Year 4-13)**
- ★ **Stars of the Pharaohs.** Takes you back through time when the Egyptians were building the pyramids to see how they saw the night sky. **(Year 7-13)**
- ★ **Two Small Pieces of Glass.** With the help of a teacher and her students we learn about telescopes and many discoveries they made possible, the nature of light and how Galileo's discoveries changed the world. **(Year 7-13)**
- ★ **Heart of the Sun.** Shows how important the Sun is to different cultures and vividly demonstrates how our star is a dynamic and exciting object on which we depend for our existence. **(Year 7-13)**
- ★ **Black Holes. The other side of Infinity.** This stunning presentation takes you into a place where humans can never venture. **(Year 9-13)**
- ★ **We Are Astronomers:** Discover how astronomers work together to learn more about the Universe with the aid of today's technology **(Year 9-13)**

Part 2

10-15 minutes to explore the foyer displays and exhibits.

Part 3

25-30 minutes in the Space Room Auditorium to conclude your session

Presenter led education session focusing on your chosen topic(s) from page 4. *Further details of our education topics can be found on our website:* www.stardome.org.nz

Please choose no more than two topics from the list below and rank them in order of importance in the **booking form** (next page). Your session will be prepared by an educator according to the year level and other requirements in consultation with the organizing teacher.

| Topic And Recommended Year Levels |
|--|
| ★ Day and Night – including shadows and light (Year 0-6) |
| ★ Earth, Moon, and Sun Movement – including intro to gravity (Year 0-6) |
| ★ Solar System – Sun, planets, dwarf planets and habitability (Year 3-13) |
| ★ Moon Phases and Eclipses – also phases of other planets (Year 4-8) |
| ★ Seasons – seasons on Earth and other planets (Year 4-8) |
| ★ Time – sundials and other ways to use the sky to measure time (Year 4-8) |
| ★ Human Space Exploration – return to the Moon, Space Shuttle, and ISS (Year 4-13) |
| ★ Unmanned Space Exploration – satellites, probes and rovers (Year 4-13) |
| ★ Night Sky Watching – stargazing, star charts, observing hint. (Year 4-13) |
| ★ Smaller Solar System Objects – asteroids, comets, craters, etc (Year 7-13) |
| ★ Deep Space – galaxies, nebulae, star clusters, solar system formation (Year 7-13) |
| ★ Extra-solar Planets, Aliens & UFOs – separating fact from fiction (Year 7-13) |
| ★ History of Astronomy – famous astronomers through history (Year 7-13) |
| ★ Interactions in Space – effects of light and gravity in our Solar System and beyond (Year 9-13) |
| ★ Telescopes – different types and ways telescopes work (Year 9-13) |
| ★ Stars – life cycles of different star types (Year 9-13) |

Extra Activities:

The following activities can replace or be additional to the standard program. Please contact us for more information:

- Launch a Rocket:** Watch Stardome educators launch bottle rockets (extra materials cost \$20)
- Matariki Night Sky:** Find it in the sky; fly to Matariki; Maori star and planet names
- Telescope demonstration:** See the different parts of a telescope (not the Zeiss)

TIMELINE OF CONSULTATION:

Step 1: You contact us and arrange a date and time for your booking. (See page 1)

Step 2: We send you our booking form for completion.

Step 3: We receive your completed booking form which confirms your visit.

Step 4: 1-2 weeks before your visit an educator will e-mail you about your session content.

Step 5: After your reply your educator will confirm your session content.

STARDOME EDUCATION TEAM:

Avinesh Prakash: avinesh@stardome.org.nz (Education Manager)

Beth van der Loeff: bethl@stardome.org.nz

David Britten: davidb@stardome.org.nz

Najin Aryan: najina@stardome.org.nz

Stardome School Booking Form

Please fill and fax this booking form back to us to confirm your visit.

Please note:

- Your booking is unconfirmed until Stardome has received this page.
- There is a **\$250.00 cancellation fee** if 15 working days' notice of cancellation is not given.

School visit organizer: _____

School name: _____

School address: _____

Phone: _____

Fax: _____

Email: _____

Day and date of visit: _____

Session time: _____

Year level(s): _____

No. of students in this session: _____

No. of accompanying adults: _____

Names and e-mail addresses of accompanying teachers:

Your choice of **feature show** from page 3:

Your choice of **educational topics** from page 4:

First Choice: _____

Second Choice: _____

The main **focus** of your unit of study:

Please indicate **when** your Stardome visit will occur during your **unit of study**:

Beginning

Middle

End

NA

Are there any **special requests** you have for your visit (ESOL, Special Needs, Gifted, etc?)

Acknowledgement of Stardome Group Policy:

I have **read** and **understood** the policies and information provided in pages 1-5 of the Stardome Booking Form.

Signed: _____

Date: _____

Name (please print): _____