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www.stardome.org.nz

Welcome to Stardome Observatory

We're happy to help you take your students' knowledge beyond the Earth to the next level!

Pages 1, 2, and 3: General information for planning your visit
Pages 4 and 5: Booking form to be returned to us for confirmation

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: 85 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 Stardome with your booking request, please identify possible dates for your visit.

STARDOME EDUCATOR CONTACTS

E-mail: Dylan Storey: dylans@stardome.org.nz
Beth van der Loeff: bethl@stardome.org.nz
David Britten: davidb@stardome.org.nz
Najin Aryan: najina@stardome.org.nz

Please make an appointment if you would like to meet with one of the educators prior to your visit.

Stardome Observatory 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 mean a reduced programme. We advise all groups to arrive 10 minutes before their start time. Latecomers cannot be admitted into the Stardome planetarium.

GROUP EXPECTATIONS

Please do not allow students to bring in items you would not normally allow in class (i.e. 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. However, on the rare occasion of serious or unsafe behaviour, a teacher or caregiver may be requested to remove disruptive students if necessary.

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.

Vending machines are available for drinks, but we ask that students please enjoy these outside after their session.

EDITH WINSTONE BLACKWELL TELESCOPE

Due to very limited capacity in the Zeiss telescope dome (no more than 20 students), we cannot usually accommodate school groups to see the Edith Winstone Blackwell Telescope.

If you would like your students to view the telescope, please contact a Stardome Educator prior to your visit to see whether special arrangements can be made. Please note there is no wheelchair access to this instrument.

Planning Your Visit

YOUR VISIT WILL INCLUDE:

Approximately 45 minutes in the planetarium

- ★ **Feature Show** (will be discussed during your consultation)
Information on our feature shows can be found on our website: www.stardome.org.nz
- ★ **Presenter-led night sky presentation** customized for the date of your visit

About 10-15 minutes to explore the displays and exhibits

30 minutes in the Space Room Auditorium to conclude your session

- ★ **Presenter-led classroom session** focusing on your chosen topic
Details of our education topics can be found on our website: www.stardome.org.nz

BEGINNING, MIDDLE, OR END OF MODULE

We will modify our presentations according to the abilities of your students and the stage of your unit of study. Please bear in mind whether you would like us to serve as an introduction to a topic, a facilitator for further research, or as reinforcement and review for your unit.

TIMELINE OF CONSULTATION:

- ★ **Step 1:** You contact us and arrange a date and time for your booking.
- ★ **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 prior to your visit, an educator will e-mail you regarding the content of your session.
- ★ **Step 5:** After your reply, your educator will confirm your session content.

FEATURE SHOWS

Your visit will include one of our feature show presentations, which we are happy to recommend and discuss with you during your consultation. Please note show list may be subject to change.

- ★ **Legend of Night Sky: Orion** A feature animation that humorously re-tells the story of the love of Orion the hunter for Artemis the Moon goddess, and how Orion and Scorpio came to be cast into the night sky as stars forever.
- ★ **Zula Patrol: Under the Weather** An animated story that follows a conscientious group of aliens who must stop the evil Dark Truder as they visit Venus, Mars, and Jupiter, and compare the weather on these planets to the conditions on Earth.
- ★ **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.
- ★ **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.
- ★ **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
- ★ **Two Small Pieces of Glass** With the help of a teacher and her students, we learn about telescopes and many of the discoveries they made possible, the nature of light, and how Galileo's discoveries changed the world.
- ★ **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.
- ★ **Stars of the Pharaohs** Takes you back through the millenia to when the Egyptians were building the pyramids, comparing how they saw the stars and the night sky with our modern knowledge of the Solar System and beyond.
- ★ **Bad Astronomy: Myths and Misconceptions** Join 'Bad Astronomer' Phil Plait as he takes a critical look at popular myths and misconceptions to show how science can be used to evaluate questionable claims.

Stardome Education Booking Form

These pages will enable us to consult with you for your visit. Please fill the forms out completely, and fax the booking form (including this page) back to us to confirm your booking.

Please note:

- Your booking is unconfirmed until Stardome has received these last two pages.
- 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:

Date this form sent:

Email:

Day and date of visit:

Session time:

Year level:

No. of students in this session:

No. of accompanying adults:

Names and e-mail addresses of accompanying teachers:

Please attach your class planning sheet if it contains information relevant to the section below:

1) Please list any topics included in your unit , and underline those you want us to focus on:

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

Beginning

Middle

End

3) Is there anything else our education staff can provide for you during your visit?

Requests Prior to Your Visit:

If you have a particular request or need for customisation of the material, please e-mail one of the Stardome educators directly prior to your visit, using the contact list on page 1 of this form.

Feature Show:

We will discuss the most appropriate feature show for your visit during your consultation.

Displays and Exhibits:

Your students are free to look at the various exhibits in the foyer under your supervision during the 10- to 15-minute interlude.

Classroom Session:

Please indicate no more than three focus topics in the table below, and rank them in order of importance to your visit. Your session will be prepared according to year level, stage of study and other needs in consultation with your organising teacher prior to your visit.

Your rank	<u>Topic</u>
	Day and Night – <i>including shadows and light</i>
	Earth, Moon, and Sun Movement – <i>including intro to gravity</i>
	Moon Phases and Eclipses – <i>also phases of other planets</i>
	Solar System – <i>Sun, planets, dwarf planets, and can include habitability</i>
	Seasons – <i>seasons on Earth and other planets, goldilocks zone</i>
	Human Space Exploration – <i>return to the Moon, Space Shuttle, ISS</i>
	Unmanned Space Exploration – <i>satellites, probes and rovers</i>
	Smaller Solar System Objects – <i>asteroids, comets, craters, planetary moons</i>
	Extrasolar Planets, Aliens & UFOs – <i>separating fact from fiction</i>
	Time – <i>sundials and other ways to use the sky to measure time and place</i>
	Telescopes – <i>different types and ways telescopes work: Galileo to Hubble & beyond</i>
	Nightsky Watching – <i>stargazing, star charts, observing hints</i>
	Deep Space – <i>galaxies, nebulae, star clusters, solar system formation</i>
	History of Astronomy – <i>famous astronomers through history</i>
	Stars – <i>birth and death of different star types</i>

Extra Activities:

The following activities can replace or be additional to the standard program. Please contact one of our educators for more information:

- Launch a Rocket:** watch Stardome educators launch bottle rockets (extra materials cost, outdoors)
- Matariki feature show:** Maori legends, the lunar calendar, and how we view Matariki
- Pipehenge:** learn how the Pipehenge can show us changes in the sky (outdoors)
- Telescope demonstration:** see the different parts of a telescope (not the large Zeiss instrument)
- Navigation show:** navigating using the night sky; can include Polynesian focus

Acknowledgement of Stardome group policy:

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

Signed: _____

Date: _____

Name(please print): _____

IMPORTANT: PLEASE MAKE SURE YOU HAVE COMPLETED BOTH PAGES 4 AND 5 BEFORE RETURNING.