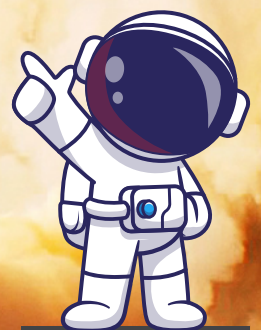


Blast Off! HOLIDAY PROGRAMME

30 September - 9 October 2023

[Scroll through the programme and join us for an unforgettable adventure]



CTSC

Embark on a cosmic journey like never before with our space-themed holiday programme that promises to ignite the curiosity of kids and captivate the wonder of adults of all ages. Join us for an unforgettable adventure into the vastness of the universe, where you'll have the chance to explore the mysteries of space through a series of engaging and hands-on workshops and captivating demonstrations. Whether you're a young aspiring astronaut or simply a space enthusiast, our programme will take you on an educational and immersive voyage where you'll learn about the secrets of the cosmos, witness awe-inspiring celestial phenomena, and even experience the thrill of launching your very own model rockets. Discover the beauty, excitement, and limitless possibilities of space with us, and let your imagination soar among the stars!



DAILY SCHEDULE

10:00	Light Room
11:00	Workshop
12:00	Camera Obscura
13:00	Science Show
14:00	Light Room
14:30	Science Corner Demo
15:00	Camera Obscura



Saturday,
7 October
at 11:30

Join former NASA Deputy Chief Technologist Jim Adams during World Space Week 2023 for his 20th lecture tour in South Africa. This year in the Western Cape Jim will focus on Space Communications (How do we talk to spacecraft?) Jim is an accomplished story teller and has a way of making complicated concepts seem understandable to just about anyone. This interactive session is appropriate for space enthusiasts ages 8 to 80! So plan on attending and bring your friends!

CLOSED ON SUNDAYS
Please note that the CTSC is closed on Sundays. Make sure to join us Mon - Sat!

<p>FRI, 29 SEPT</p> <p>Schools Out</p> 	<p>SAT, 30 SEPT</p> <p>11:00 Alien Slime</p> <hr/> <p>14:30 Why are there craters on the moon?</p>
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<p>MON, 2 OCT</p> <p>11:00 Oreo Moon Phases</p> <hr/> <p>14:30 Erupting Moon Rocks</p>	<p>TUES, 3 OCT</p> <p>11:00 Edible Constellations</p> <hr/> <p>14:30 The Science of Rocketry</p>	<p>WED, 4 OCT</p> <p>11:00 Spinning Solar Systems</p> <hr/> <p>14:30 Shooting Star Galaxy</p>	<p>THURS, 5 OCT</p> <p>11:00 Alien Slime</p> <hr/> <p>14:30 Why are there craters on the moon?</p>	<p>FRI, 6 OCT</p> <p>11:00 Edible Constellations</p> <hr/> <p>14:30 The Science of Rocketry</p>	<p>SAT, 7 OCT</p> <p>11:00 Oreo Moon Phases</p> <hr/> <p>14:30 Erupting Moon Rocks</p>
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<p>MON, 9 OCT</p> <p>11:00 Spinning Solar Systems</p> <hr/> <p>14:30 Shooting Star Galaxy</p>	<p>TUES, 10 OCT</p> <p>Back to School</p> 	 <p>World Space Week OCTOBER 4-10</p>	<p>CELEBRATING WORLD SPACE WEEK! World Space Week is an international celebration of science and technology, and their contribution to the betterment of the human condition. The United Nations General Assembly declared in 1999 that World Space Week will be held each year from 4 - 10 October.</p> 
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WEEKLY SCHEDULE

CAPE TOWN SCIENCE CENTRE

370B Main Road, Observatory | 021 300 3200 | www.ctsc.org.za

The Cape Town Science Centre is a registered non-profit organisation (031-701-NPO) and Public Benefit Organisation (18/11/13/2663). All funds received directly support educational programmes and exhibits. We value and encourage your support.

SCIENCE CORNER DEMONSTRATIONS

All Demonstrations are suitable for the whole family and have no additional cost.

WHY ARE THERE CRATERS ON THE MOON? | 30 SEPTEMBER & 5 OCTOBER 2023 @ 14:30

Although Earth dwarfs the moon in size and faces a greater likelihood of encountering asteroids or meteors, it bears little resemblance to its lunar counterpart. With only around 180 visible craters found on the Earth, our moon has thousands of craters found on its surface. What's the story behind these lunar scars, and why do we see them so vividly? Step into the Science Corner and unravel the mysteries of the moon's timeless craters and the forces that shaped them!



ERUPTING MOON ROCKS | 2 & 7 OCTOBER 2023 @ 14:30

Space and the moon remain enigmatic frontiers! The historic Apollo 11 mission, led by the renowned crew, marked humanity's first lunar landing on July 11, 1969, and returned with valuable moon rock samples. At the CTSC, we've crafted our own lunar rocks, and we're set to showcase some exciting chemistry experiments that will make them erupt! Come join us at the Science Corner for an out-of-this-world adventure!

THE SCIENCE OF ROCKETRY | 3 & 6 OCTOBER 2023 @ 14:30

Rockets, originally developed as propulsion systems during China's Song Dynasty for arrows, have since become the key to venturing into the cosmos. The vital ingredient that propels these machines is known as propellant, providing the necessary thrust for spacecraft to break free from Earth's atmosphere. Join us at the Science Corner to launch your very own rocket and delve into one of Newton's fundamental laws of motion!

SHOOTING STAR GALAXY | 4 & 9 OCTOBER 2023 @ 14:30

Shooting stars, or meteors, are brief yet mesmerizing streaks of light created by space debris burning up in Earth's atmosphere. Galaxies, vast collections of stars, planets, and more, are the building blocks of the universe, offering insights into the cosmos' origins and evolution. Together, they remind us of the limitless wonder and beauty that the night sky holds. Join us for this hands-on demonstration where we use some kitchen chemistry to create our own shooting stars!

HANDS-ON WORKSHOPS:

All workshops are suitable for kids 5+ and have an additional cost of R5 per person.

ALIEN SLIME | 30 SEPTEMBER & 5 OCTOBER 2023 @ 11:00

Kids, get ready for an out-of-this-world adventure! We're not only exploring the idea of extraterrestrial beings but also having a blast with some slimy fun. Join us for a hands-on workshop where you'll get to make your very own alien slime. It's a chance to unleash your creativity and learn about the exciting possibilities of life beyond Earth while having a slimy good time! Join us at the CTSC where explore these slimy creatures in this hands-on workshop!

OREO MOON PHASES | 2 & 7 OCTOBER 2023 @ 11:00

Join us for a delicious journey into edible astronomy! Have you ever wondered why the moon's shape changes, or how it affects tides? Dive into this interactive workshop, where we will use edible cookie sandwiches to illustrate the moon's monthly phases. It's a hands-on experience that makes learning about lunar cycles a treat!

EDIBLE CONSTELLATIONS | 3 & 6 OCTOBER 2023 @ 11:00

Discover the secrets of the twinkling stars in a hands-on workshop at CTSC! Stars, those mesmerizing gas-filled spheres held together by gravity, reveal their enchanting sparkle on Earth, thanks to our atmosphere. But that's not all – stars often gather in the night sky to form whimsical shapes known as constellations. These celestial patterns can resemble animals, objects, people, or even mythical creatures. Join us as we embark on a cosmic culinary adventure, crafting our very own edible constellations!

SPINNING SOLAR SYSTEMS | 4 & 9 OCTOBER 2023 @ 11:00

Explore the cosmic dance of our solar system at our hands-on workshop! The sun, our brilliant star, reigns supreme at the center, orchestrating the celestial ballet as everything else orbits around it. Earth takes a whole year to complete its orbit, and there's even a fascinating asteroid belt between Mars and Jupiter that follows suit. Our solar system, a mere speck in the grandeur of the Milky Way galaxy, completes a journey around the galaxy roughly once every 225 million years. Join us for an engaging session where we'll craft our own spinning solar system and unravel the wonders of space!



REGULARS:

Science Show

Get ready for an extraordinary science show that will blow your mind! Join our talented scientists as they perform mind-boggling experiments, create colourful chemical reactions, and unveil the mysteries of the universe. With dazzling visuals and interactive demonstrations, this show will ignite your curiosity and leave you in awe of the wonders of science. Prepare to be amazed and inspired!

Time: 13:00 | Ages: Suitable for the whole family | Cost: Entry fee only

Camera Obscura Tours

Have you ever taken a tour of the city while standing on one spot? Step into the magical world of Camera Obscura! Experience fascinating illusions as light and mirrors create upside-down images on a big screen and learn about the science behind this enchanting invention.

Time: 12:00 & 15:00 | Ages: Suitable for all ages | Cost: Entry fee only

AstroTrek Virtual Reality

Embark on an unforgettable journey with Astrotrek Virtual Reality at the Cape Town Science Centre! Step into the captivating world of VR and discover the science of light like never before. Immerse yourself in stunning virtual environments that transport you to distant places, all while learning about the wonders of light. Don't miss out on this incredible experience, proudly sponsored by the National Research Fund (NRF) and the South African Radio Astronomy Observation (SARAO). It's a must-do for all science enthusiasts!

Time: VR: All day* | Ages: Suitable for ages 7+ | Cost: R5 + entry fee

Light Room Tour

Welcome to the wonderful Light Room at the Cape Town Science Centre! Step inside and prepare to be amazed by the magic of light. Explore the beautiful colours and discover how light can reflect and create cool effects. Our friendly facilitators will show you all the secrets of light and make it a fun experience for everyone. Get ready to have a bright and enlightening time in the Light Room!

Time: 10:00 & 14:00* | Ages: Suitable for all ages | Cost: Entry fee only

*Please note that AstroTrek Virtual Reality and Light Room Tours are dependent on the loadshedding schedule.

INFO FOR YOUR VISIT:

Please note that activities are free unless otherwise stated. Standard entry fees to the Cape Town Science Centre apply to all visitors. Information correct at time of publishing. Programme is subject to change without notice.

OPENING HOURS:

Monday - Saturday | 9:00 to 16:30 (Closed on Sundays)

ENTRY FEES:

Youth & Adults R80 | Pensioners R40 (only available at the CTSC)

Kindly note that we encourage contactless payments. Card payments and SnapScan are welcome at the door. Pre-booked tickets available on tickets via Webtickets.

Embark on a cosmic journey like never before

