

LUCKY'S LABS



SILVER EGG (all ages • entry fee)

A fun experiment to show that beauty can rise from the ashes.

VISIBLE SOUND (all ages • entry fee only)

Observe how sound moves with some simple household goodies.

FIZZY ICE (all ages • entry fee only)

Be wowed as you see some amazing colourful chemical reactions.

SUMMER STORMS (all ages • entry fee only)

Discover how lightning works – a shocking experience!

FLAME ON! (all ages • entry fee only)

Discover how acid and alcohol burn to emit different colours.



HOUR OF CODE™

Join a beginner coding session and be part of the HOUR OF CODE™. The Hour of Code is a global movement reaching tens of millions of students in 180+ countries, for more info visit www.hourofcode.com. We will be exploring the Google CS First platform and activities in our 1-hour workshops.

DATES: 7 - 11 December 2016

TIMES: 12:30 OR 14:30

AGES: Suitable for ages 8+

COST: There is no cost to attend the workshop but standard entry fees apply

BOOKINGS: info@ctsc.org.za or 021 300 3200 (maximum 20 kids per workshop)



DIGICAPE SWIFT PLAYGROUND WORKSHOPS

Celebrating the Hour of Code™

Technology has a language. It's called code. And we believe coding is an essential skill. Learning to code teaches you how to solve problems and work together in creative ways. And it helps you build apps that bring your ideas to life. We think everyone should have the opportunity to create something that can change the world. So Apple has designed a new approach to coding that lets anyone learn, write, and teach it... And it's called Swift.

DATES: 7 - 11 December 2016

TIME: 11:30 - 12:30

AGES: Suitable for ages 8+

COST: There is no cost to attend the workshop but standard entry fees apply

BOOKINGS: info@ctsc.org.za or 021 300 3200 (maximum 20 kids per workshop)



GOOGLE CS FIRST

Kick your brain back into gear before the new school year starts. Join us as we explore, discover and create using Google CS First in these 1-hour workshops.

DATES: 4 - 6 January 2017

TIMES: 11:30 OR 14:30

AGES: Suitable for ages 8+

COST: There is no cost to attend the workshop but standard entry fees apply

BOOKINGS: info@ctsc.org.za or 021 300 3200 (maximum 20 kids per workshop)



CTSC

CapeTownScienceCentre



SUMMER SCIENCE

HOLIDAY PROGRAMME

7 December '16 - 11 January '17



FREE
Popular Mechanics
Digital Subscription.
T's & C's apply

CTSC MEMBERSHIP

Become a **Member** and for less than R7 a week, get unlimited entry to the Cape Town Science Centre for a year. Ask at the Ticket Office for details.

OPENING HOURS & ENTRY FEES

Monday to Saturday 9:00 - 16:30 | Sundays & Public Holidays 10:00 - 16:30
CLOSED on 25 December & 1 January
Youth & Adults R50 | Pensioners R25 | Family (4 people) R180



Information correct at time of going to print. Programme is subject to change without notice. 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.

CAPE TOWN SCIENCE CENTRE

370B Main Road, Observatory | 33° 56' 17" S 18° 27' 50" E
021 300 3200 | info@ctsc.org.za | www.ctsc.org.za

| Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday |
|---|--|---|--|---|--|--|
| | | 7 December 11:00 'Tis the season to be freezin' 12:00 Camera Obscura 13:00 Science Show 14:00 Camera Obscura 15:00 Silver Egg | 8 December 11:00 Secret Christmas List 12:00 Camera Obscura 13:00 Science Show 14:00 Camera Obscura 15:00 Visible Light | 9 December 11:00 A Cold High Five 12:00 Camera Obscura 13:00 Science Show 14:00 Camera Obscura 15:00 Fizzy Ice | 10 December 11:00 Naughty or Nice Treasure Hunt 12:00 Camera Obscura 13:00 Science Show 14:00 Camera Obscura 15:00 Summer Storms | 11 December 11:00 Growing Gummy Bears 12:00 Camera Obscura 13:00 Science Show 14:00 Camera Obscura 15:00 Flame On! |
| 12 December 11:00 Picture Perfect 12:00 Camera Obscura 13:00 Science Show 14:00 Camera Obscura 15:00 Rainbow Bubble Snake | 13 December 11:00 Waterproof Penguins 12:00 Camera Obscura 13:00 Science Show 14:00 Camera Obscura 15:00 Silver Egg | 14 December 11:00 Jellyfish in a bottle 12:00 Camera Obscura 13:00 Science Show 14:00 Camera Obscura 15:00 Visible Light | 15 December 11:00 Let's go fly a kite 12:00 Camera Obscura 13:00 Science Show 14:00 Camera Obscura 15:00 Fizzy Ice | 16 December 11:00 'Tis the Season to be Freezin' 12:00 Camera Obscura 13:00 Science Show 14:00 Camera Obscura 15:00 Flame On! | 17 December 11:00 Secret Christmas List 12:00 Camera Obscura 13:00 Science Show 14:00 Camera Obscura 15:00 A Cold High Five | 18 December 11:00 Naughty or Nice Treasure Hunt 12:00 Camera Obscura 13:00 Science Show 14:00 Camera Obscura 15:00 Summer Storms |
| 19 December 11:00 Growing Gummy Bears 12:00 Camera Obscura 13:00 Science Show 14:00 Camera Obscura 15:00 Silver Egg | 20 December 11:00 Picture Perfect 12:00 Camera Obscura 13:00 Science Show 14:00 Camera Obscura 15:00 Visible Light | 21 December 11:00 Rainbow Bubble Snake 12:00 Camera Obscura 13:00 Science Show 14:00 Camera Obscura 15:00 Fizzy Ice | 22 December 11:00 Waterproof Penguins 12:00 Camera Obscura 13:00 Science Show 14:00 Camera Obscura 15:00 Jellyfish in a bottle | 23 December 11:00 Let's go fly a kite 12:00 Camera Obscura 13:00 Science Show 14:00 Camera Obscura 15:00 Summer Storms | 24 December 11:00 'Tis the Season to be Freezin' 12:00 Camera Obscura 13:00 Science Show 14:00 Camera Obscura 15:00 Flame On! | 25 December  |
| 26 December 11:00 A Cold High Five 12:00 Camera Obscura 13:00 Science Show 14:00 Camera Obscura 15:00 Rainbow Bubble Snake | 27 December 11:00 Naughty or Nice Treasure Hunt 12:00 Camera Obscura 13:00 Science Show 14:00 Camera Obscura 15:00 Growing Gummy Bears | 28 December 11:00 Picture Perfect 12:00 Camera Obscura 13:00 Science Show 14:00 Camera Obscura 15:00 Flame On! | 29 December 11:00 Waterproof Penguins 12:00 Camera Obscura 13:00 Science Show 14:00 Camera Obscura 15:00 Silver Egg | 30 December 11:00 Jellyfish in a bottle 12:00 Camera Obscura 13:00 Science Show 14:00 Camera Obscura 15:00 Visible Light | 31 December 11:00 Let's go fly a kite 12:00 Camera Obscura 13:00 Science Show 14:00 Camera Obscura 15:00 Fizzy Ice | 1 January  |
| 2 January 11:00 'Tis the Season to be Freezin' 12:00 Camera Obscura 13:00 Science Show 14:00 Camera Obscura 15:00 Secret Christmas List | 3 January 11:00 A Cold High Five 12:00 Camera Obscura 13:00 Science Show 14:00 Camera Obscura 15:00 Summer Storms | 4 January 11:00 Naughty or Nice Treasure Hunt 12:00 Camera Obscura 13:00 Science Show 14:00 Camera Obscura 15:00 Flame On! | 5 January 11:00 Growing Gummy Bears 12:00 Camera Obscura 13:00 Science Show 14:00 Camera Obscura 15:00 Fizzy Ice | 6 January 11:00 Picture Perfect 12:00 Camera Obscura 13:00 Science Show 14:00 Camera Obscura 15:00 Silver Egg | 7 January 11:00 Rainbow Bubble Snake 12:00 Camera Obscura 13:00 Science Show 14:00 Camera Obscura 15:00 Visible Light | 8 January 11:00 Waterproof Penguins 12:00 Camera Obscura 13:00 Science Show 14:00 Camera Obscura 15:00 Secret Christmas List |
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ACTIVITIES

Please note that activities are free unless otherwise stated. Standard entry fees to the CTSC apply to all visitors.

'TIS THE SEASON TO BE FREEZIN'

(all ages • entry fee + R5)

See how simple home ingredients can make a yummy frozen treat in minutes using some sneaky science.

SECRET CHRISTMAS LIST (all ages • entry fee only)

Write Santa a secret Christmas prezzie list and see how he can read it using a flame.

A COLD HIGH FIVE (all ages • entry fee + R5)

Use some sciencey tricks to melt the high five and release your surprise.

NAUGHTY OR NICE TREASURE HUNT

(all ages • entry fee only)

Scout around the CTSC for clues and solve them to get your name on the Nice list and getting something sweet!

GROWING GUMMY BEARS (all ages • entry fee + R5)

Using different solutions what will make a gummy bear grow the biggest?

PICTURE PERFECT (age 8+ • entry fee + R10)

Uncover the science behind photography while exploring the CTSC and capturing your favourite exhibits and activities.

RAINBOW BUBBLE SNAKE (all ages • entry fee only)

Go bonkers with bubbles and make a multi-coloured snake out of bubbles.

WATERPROOF PENGUINS (all ages • entry fee only)

How do penguins keep dry when they swim in the water all day? Find out what protects them from the water in this workshop.

JELLYFISH IN A BOTTLE (all ages • entry fee only)

Make your own jellyfish and see it swim while discovering the dangers of pollution and why it is important to keep the ocean clean and pollution free.

LET'S GO FLY A KITE (all ages • entry fee only)

Design and build a kite and watch it flutter in the wind.

HOLIDAY REGULARS

CAMERA OBSCURA

Daily @ 12:00 & 14:00 (weather dependant)

Have you ever taken a tour of the city while standing on one spot? Join us on one of our Camera Obscura tours for a 360° view of the surrounding area. Listen out for announcements to join the tour.

CUB WEDNESDAYS

Cubs, Brownies, Girl Guides and Scouts from any pack will be given free entry to the Cape Town Science Centre on Wednesday 7, 14, 21 & 28 December 2016 and 4 & 11 January 2017 provided they come dressed in their Cub, Brownie, Girl Guides or Scouts uniform.

SCIENCE SHOW

Daily @ 13:00

Some call it magic, we call it science. Our daily Science Shows will excite while nurturing awareness that science is a part of our daily lives.

