



# SPACE INVADERS

## HOLIDAY PROGRAMME

29 September - 7 October

**SCI-BONO CONTACT DETAILS:**

011 639 8400

Corner of Miriam Makeba &  
Helen Joseph Streets | Newtown

[www.sci-bono.co.za](http://www.sci-bono.co.za)

## ACTIVITIES TIMETABLE

TIME	SATURDAY 29 SEPTEMBER	SUNDAY 30 SEPTEMBER	MONDAY 1 OCTOBER	TUESDAY 2 OCTOBER	WEDNESDAY 3 OCTOBER	THURSDAY 4 OCTOBER
10:00 - 11:00 VENUE	<b>ROCKET SCIENCE</b> Dow Lab	<b>ALL ABOUT TELESCOPES</b> Sangari Life Science Lab	<b>MY WEIGHT IN SPACE</b> Sydner Brenner	<b>ROCKET SCIENCE</b> Sangari Life Science Lab	<b>CATAPULT PARACHUTE</b> Sydner Brenner	<b>MY WEIGHT IN SPACE</b> Sydner Brenner
11:30 - 12:30 VENUE	<b>ALL ABOUT TELESCOPES</b> Sangari Life Science Lab	<b>SPACE RUN</b> Dow Lab	<b>STARTLING SPECTROSCOPY</b> Dow Lab	<b>ALL ABOUT TELESCOPES</b> Sangari Life Science Lab	<b>SPACE RUN</b> Dow Lab	<b>STARTLING SPECTROSCOPY</b> Dow Lab
13:00 - 14:00 VENUE	<b>YURI GAGARIN SCIENCE SHOW</b> SAP Auditorium					
14:30-15:30 VENUE	<b>ROBOTICS IN SPACE</b> Festo Lab	<b>NAVAGATING THE NIGHT SKY</b> Sydney Brenner	<b>SATELLITE COMMUNICATION</b> Festo Lab	<b>ROBOTICS IN SPACE</b> Festo Lab	<b>NAVAGATING THE NIGHT SKY</b> Sydney Brenner	<b>SATELLITE COMMUNICATION</b> Festo Lab

Terms and Conditions: Workshops subject to change without prior notice. Seats are limited. First come first serve basis.

# ACTIVITIES TIMETABLE

TIME	FRIDAY 5 OCTOBER	SATURDAY 6 OCTOBER	SUNDAY 7 OCTOBER
10:00 - 11:00	<b>ALL ABOUT TELESCOPES</b>	<b>NAVAGATING THE NIGHT SKY</b>	<b>MY WEIGHT IN SPACE</b>
VENUE	Sangari Life Science Lab	Sydney Brenner	Sydner Brenner
11:30 - 12:30	<b>SPACE RUN</b>	<b>ROBOTICS IN SPACE</b>	<b>SATELLITE COMMUNICATION</b>
VENUE	Dow Lab	Festo Lab	Festo Lab
13:00 - 14:00	<b>YURI GAGARIN SCIENCE SHOW</b>		
VENUE	SAP Auditorium		
14:30-15:30	<b>ROCKET SCIENCE</b>	<b>CATAPULT PARACHUTE</b>	<b>ROCKET SCIENCE</b>
VENUE	Dow Lab	Sydney Brenner	Dow Lab



## SPECIAL ACTIVITIES

**SMART SUNDIAL**  
COST: Free | AGE: All | TIME: Every day

**SOLAR POPPED-CORN**  
COST: R5 | AGE: All | TIME: Every day (Weather permitting)

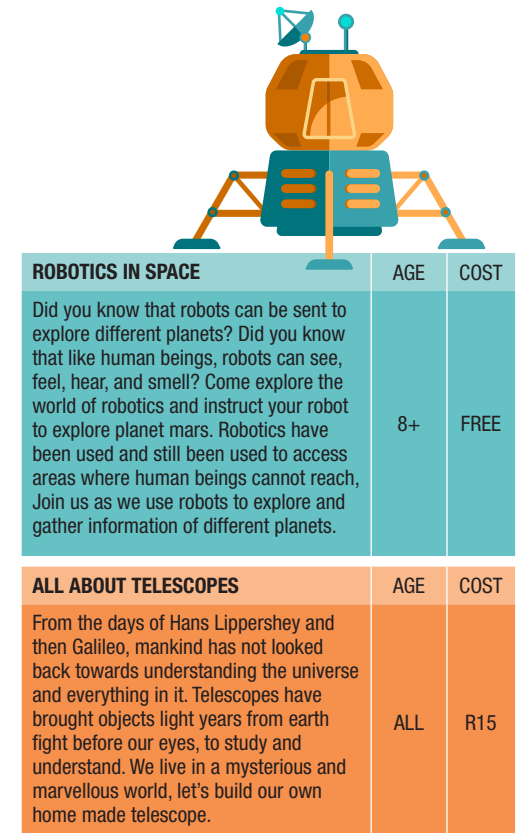
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## ACTIVITIES

SATELLITE COMMUNICATION	AGE	COST
While our earth has only one natural satellite, which is the moon, there are approximately 2000 artificial satellites orbiting the earth, they relay analog and digital signals carrying voice, video, and data to and from one or many locations worldwide. Come let us explore how they work and build our satellite model that will also transmit signals to the receiver.	7+	R5
STARTling Spectroscopy	AGE	COST
Have you ever wondered what's out there... light years away from us? Unzip the mysteries of the unknown by building a homemade spectroscope while appreciating this special instrument in helping us understand our Space and Beyond.	8+	R5
SPACE RUN	AGE	COST
Are you a lover of Spacey Things? Fancy yourself a riddle solver. Join us as you whizz around the centre solving riddles and answering questions related to space.	8+	FREE

SMART SUNDIAL	AGE	COST
Do you take telling time for granted? Picture yourself without a watch or a clock to tell you what time it is. Ages ago, telling time was also not so convenient. Since the beginning of time, Sundials have been important in telling time and history.	8+	FREE
ROCKET SCIENCE	AGE	COST
Rockets are definitely marvels of engineering. These amazing gravity-defying machines have lifted test material, people, and even animals into space. But how are rockets able to travel so high up? What propels them and what is the science behind it all? Find out this and more while building some simple rockets.	7+	R5
NAVAGATING THE NIGHT SKIES	AGE	COST
Every sky watcher needs an easy-to-use Planisphere to quickly tell which stars and constellations are above their horizon on any day and time of the year. Join us as we build the map of the stars and find out what stars are visible in the sky tonight.	6+	R10

MY WEIGHT IN SPACE	AGE	COST
Every sky watcher needs an easy-to-use Planisphere to quickly tell which stars and constellations are above their horizon on any day and time of the year. Join us as we build the map of the stars and find out what stars are visible in the sky tonight.	ALL	FREE
CATAPULT PARACHUTE	AGE	COST
Standing on a balcony near the top of the Tower of Pisa in Italy, a young scientist named Galileo dropped two balls into the crowd below. He was not trying to knock his fellow professors on the head, but was trying to prove his theory that all objects fall to earth at the same rate, regardless of their mass. Was Galileo's theory correct?	ALL	R5
YURI GAGARIN SCIENCE SHOW!!	AGE	COST
Who else can it be who made such a remarkable history in the Soviet Union, Join us in the voyage to discover dynamics of space, wonders of explorations, missions and nuances of space.	ALL	FREE



ROBOTICS IN SPACE	AGE	COST
Did you know that robots can be sent to explore different planets? Did you know that like human beings, robots can see, feel, hear, and smell? Come explore the world of robotics and instruct your robot to explore planet mars. Robotics have been used and still been used to access areas where human beings cannot reach, Join us as we use robots to explore and gather information of different planets.	8+	FREE
ALL ABOUT TELESCOPES	AGE	COST
From the days of Hans Lippershey and then Galileo, mankind has not looked back towards understanding the universe and everything in it. Telescopes have brought objects light years from earth right before our eyes, to study and understand. We live in a mysterious and marvellous world, let's build our own home made telescope.	ALL	R15