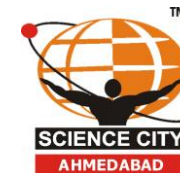




Department of Science & Technology  
Government of Gujarat

**GUJARAT COUNCIL OF SCIENCE CITY**  
**DEPT OF SCIENCE & TECHNOLOGY, GOVERNMENT OF GUJARAT**



**SUMMER SCIENCE ENRICHMENT PROGRAMMES 2017**  
**[5<sup>th</sup> May 2017 to 5<sup>th</sup> June 2017]**

**1. CREATIVE SCIENCE LEARNING WORKSHOP**

Sl. No.	Programme Title	Activities	Date & Time	Time	Venue	Corse Director	Age group	No. of seats
1	<b>Hands-on training on Plant Tissue Culture</b>	Principles and applications of tissue culture, preparation of culture media, sterilization, quick update on latest techniques / developments. Hands on training for various tissue culture techniques	5 <sup>th</sup> to 6 <sup>th</sup> May 2017 8 <sup>th</sup> to 13 <sup>th</sup> May 2017 15 <sup>th</sup> to 20 <sup>th</sup> May 2017 29 <sup>th</sup> May to 2 <sup>nd</sup> June 2017	11 to 1 pm	Life Science Park / Auditorium II	Yagnika Shah (LSP)	10-18 years	25
2	<b>Hands-on workshop on Robotics</b>		5 <sup>th</sup> to 6 <sup>th</sup> May 2017 8 <sup>th</sup> to 13 <sup>th</sup> May 2017 15 <sup>th</sup> to 20 <sup>th</sup> May 2017 29 <sup>th</sup> May to 2 <sup>nd</sup> June 2017	11 to 1.00 pm	Hall of Space	Raju Amlani (HOS)	10-18 Years	25
3	<b>Hands-on workshop on Drone and aerodynamics</b>	Basic knowledge of drones and different kinds of aircrafts, Hands on experience on Chuck glider with flying	6 <sup>th</sup> to 7 <sup>th</sup> May 2017 8 <sup>th</sup> to 9 <sup>th</sup> May 2017 12 <sup>th</sup> to 13 <sup>th</sup> May 2017 15 <sup>th</sup> to 16 <sup>th</sup> May 2017 19 <sup>th</sup> to 20 <sup>th</sup> May 2017	3 to 5 pm	Auditorium I	Kaushik Patel (GUJCOST)	10 – 18 years	25
4	<b>Learning Mathematics Through Origami</b>	Fun with math, geometry, trigonometry	5 <sup>th</sup> to 6 <sup>th</sup> May 2017 8 <sup>th</sup> to 12 <sup>th</sup> May 2017 22 <sup>th</sup> to 26 <sup>th</sup> May 2017 5 <sup>th</sup> to 9 <sup>th</sup> June 2017	11 to 1 pm	Hall of Space	Raju Amlani (HOS)	10-18 years	25
5	Workshop on water booster rockets	Water booster rocket	6 <sup>th</sup> to 7 <sup>th</sup> May 2017 13 <sup>th</sup> to 14 <sup>th</sup> May 2017 20 <sup>th</sup> to 21 <sup>st</sup> May 2017 27 <sup>th</sup> to 28 <sup>th</sup> May 2017		Planet Earth	Pintu Das (PE)	10-18 years	25
6	Sensitization Programme on Nanotechnology	Fundamentals of Nanotechnology and Nano sciences	15 <sup>th</sup> to 17 <sup>th</sup> May 2017	11 to 1 pm	Auditorium II	Dr. Prasant Acharya	15-18 years	25

			19 <sup>th</sup> to 21 <sup>st</sup> May 2017					
7	Workshop on Ham Radio	HAM Radio	6 <sup>th</sup> to 7 <sup>th</sup> May 2017 13 <sup>th</sup> to 14 <sup>th</sup> May 2017 20 <sup>th</sup> to 21 <sup>st</sup> May 2017 27 <sup>th</sup> to 28 <sup>th</sup> May 2017	3 to 5 pm	Auditorium I	Resource Person	15-18 years	25
8	Workshop on Astronomy	Basic of amateur astronomy and sky observation	24 <sup>th</sup> to 26 <sup>rd</sup> May 2017 27 <sup>th</sup> to 29 <sup>rd</sup> May 2017	3 to 5 pm	Auditorium II	Pulkesh Prajapati	15-18 years	25
9	Hydroponics: Fun with Plants in soil less condition	Science of Hydroponics, preparation of media solution, creative pot making	1 <sup>st</sup> to 3 <sup>rd</sup> June 2017 7 <sup>th</sup> to 9 <sup>th</sup> June 2017	11 to 1 pm	Auditorium I	Harshida Patel	10-17 years	15
10	Workshop on Telescope making	Basic principles of telescope, different parts & functions, assembling	8 <sup>th</sup> to 10 <sup>th</sup> May 2017 15 <sup>th</sup> to 17 <sup>th</sup> May 2017 22 <sup>nd</sup> to 24 <sup>th</sup> May 2017 29 <sup>th</sup> to 31 <sup>st</sup> May 2017	3 to 5 pm	Auditorium II	Ghanshyam Mehta (CSC Surendranagar)	15-18 years	15
11	Workshop on Climate Change	Weather Science	5 <sup>th</sup> to 6 <sup>th</sup> May 2017 11 <sup>th</sup> to 13 <sup>th</sup> May 2017 18 <sup>th</sup> to 20 <sup>th</sup> May 2017 25 <sup>th</sup> to 27 <sup>th</sup> May 2017 1 <sup>st</sup> to 3 <sup>rd</sup> June 2017	3 to 5 pm	Auditorium I	Harshida Patel	15-18 years	15

## 2. HANDS-ON & MINDS-ON BASIC SCIENCE EXPERIMENTS

Sl. No.	Programme Title	Activities	Date & Time	Time	Venue	Course Director	Age group	No. of seats
1	Fun Physics (mechanics, dynamics, heat, light, electricity and magnetism)	Hands on activities, experiments, Screening of DVDs and discussion	7 <sup>th</sup> May 2017 to 9 <sup>th</sup> May 2017 21 <sup>st</sup> May to 23 <sup>rd</sup> May 2017 7 <sup>th</sup> June to 9 <sup>th</sup> June 2017	3 to 5 pm	Hall of Space	Mr. Raju Amlani	12-14 years	15
2	Innovative experiments in Physics	Creativity and imagination	11 <sup>th</sup> to 13 <sup>th</sup> May 2017 12 <sup>th</sup> to 14 <sup>th</sup> June 2017	3 to 5 pm	Hall of Space	Mr. Raju Amlani	10-17 years	15
3	Physics unlimited: Career in Physics	Courses and counseling	15 <sup>th</sup> May, 9 <sup>th</sup> June 2017	3 to 5 pm	Hall of Space	Mr. Raju Amlani	15-18 years	15
1	Fun Chemistry	Interesting demo on acid-base, oxidation-reduction	Every Saturday and Sunday	11 to 1 pm	Auditorium II	Sejal	12-14 years	15
2	Chemistry in daily life	Awareness and understanding on	8 <sup>th</sup> to 12 <sup>th</sup> May 2017	11 to 1 pm	Auditorium II	Sejal &	10-17	25

		useful chemicals	12 <sup>th</sup> to 16 <sup>th</sup> June 2017			Harshida	years	
3	Chemistry in a box	Magic of chemistry	Monday to Saturday	11 to 1 pm	Auditorium II	Sejal & Harshida	10-17 years	25
4	Chemistry Unlimited: career in chemistry	Career counseling, course and scholarships	21 <sup>st</sup> May, 9 <sup>th</sup> June 2017	11 to 1 pm	Auditorium II	Sejal & Harshida	15-18 years	25
5	Chemistry in Society	Concepts & thinking	Saturday	11 to 1 pm	Auditorium II	Sejal & Harshida		25
1	Exploring Nature	Activities on soil, water, air, animal & bird, etc.	8 <sup>th</sup> to 12 <sup>th</sup> May 2017 28 <sup>th</sup> to 30 <sup>th</sup> May 2017 10 <sup>th</sup> to 12 <sup>th</sup> June 2017	3to 5 pm	LSP	Yagnika Shah	10-17 years	25
2	Experiment in Biosciences (Tissue Culture, Chromatography, making of herbarium, studies of animal and plant specimen)	Practical work & Demonstrations, Project work	8 <sup>th</sup> - 12 <sup>th</sup> May 2017  12 <sup>th</sup> - 16 <sup>th</sup> Jun 2017	11 to 1 pm	LSP	Meghna Manvar	10-17 years	25
3	Amazing micro world	Microscopic studies	Saturday	11 to 1 pm	LSP	Meghna Manvar	15-18 years	25

### 3. CELEBRATING SCIENCE

Sl. No.	Programme Title	Activities	Date & Time	Target Group
1	Gujarat Gaurav Divas		1 <sup>st</sup> May 2017	Open to all
1	International Thalassemia Day	Discussion and Interaction, Radio Talk	8 <sup>th</sup> May 2017	Open to all
2	National Technology Day	Debate and essay writing Public lecture on S&T	11 <sup>th</sup> May 2017	Open to all
3	World Telecommunication Day	Activities & Competition	17 <sup>th</sup> May 2017	Open to all
4	International Day for Biological Diversity	Painting, elocution and quiz, puzzle competition, Demo & Lecture	22 <sup>nd</sup> May 2017	Open to all
5	Gujarat Science City Foundation Day, World No-Tobacco Day	Debate and essay writing Public Interaction	31 <sup>st</sup> May 2017	Open to all
6	World Environment Day	Painting, elocution and quiz, puzzle, Demo & Lecture	5 <sup>th</sup> June 2017	Open to all

#### 4. Celebration of Birthdays of Eminent Scientist

Sl. No.	Programme Title	Activities	Date	Time	Venue	Age group	No. of seats
1	Edward Jenner: Inventor of smallpox vaccination in 1796	Seminar on Disease Defense	17 <sup>th</sup> May 2017	3 to 5 pm	Auditorium I	Open to all	open
2	Heinrich Rohrer: A Swiss Physicist, won Nobel Prize in 1986 for designing electron microscope	Seeing through the Electron Microscope	6 <sup>th</sup> June 2017	3 to 5 pm	Auditorium I	Open to all	open
3	Giovanni Domenico Cassini: First Italian astronomer to observe four moons of Saturn	Astronomy and Sky Observation	8 <sup>th</sup> June 2017	3 to 5 pm	Auditorium I	Open to all	open
4	George Stephenson, who invented the first locomotive engine for railways	Demonstration on various types of engines	9 <sup>th</sup> June 2017	3 to 5 pm	Auditorium I	Open to all	Open

#### 5. ENERGY AND ENVIRONMENT

Sl. No.	Programme Title	Activities	Date & Time	Time	Venue	Course Director	Age group	No. of seats
1	Our Renewable Energy	Introduction and concepts, activities	5 <sup>th</sup> to 7 <sup>th</sup> May 2017	11 to 1 pm	Planet Earth	Pintu Das	12-14 years	25
2	Energy Audit	Practical and project work	15 <sup>th</sup> to 22 <sup>th</sup> May 2017	11 to 1 pm	Planet Earth	Pintu Das	10-17 years	25
3	Project on Energy Conservation Activities on Solar Energy & Wind Energy	Project making exercise Demonstration & Activities	Every Friday	11 to 1 pm	Planet Earth	Pintu Das	10-17 years	25

## 6. PLANET EARTH

Sl. No.	Programme Title	Date & Time	Time	Venue	course Director	No. of seats
1	Earth Science: Bones, Body & Biology	15 <sup>th</sup> to 17 <sup>th</sup> May 2017	3 to 5 pm	Planet Earth	Megha Upadhyay	25
2	Understanding of Biodiversity	9 <sup>th</sup> to 11 May 2017	3 to 5 pm	Planet Earth	Megha Upadhyay	25
3	Mystery of Butterfly	6 <sup>th</sup> to 8 <sup>th</sup> May 2017	11 to 1 pm	Planet Earth	Yagnika Shah	25
4	Science For Kid	Every Saturday & Sunday	11 to 1 pm	Planet Earth		25
5	Rocks & Minerals	6 <sup>th</sup> to 8 <sup>th</sup> May 2017	11 to 1 pm	Planet Earth		25

## 6. Science Matters: Popular Science Lecture Series

- Last week of every month : 3.00 to 5.00 pm : Auditorium I : Open to All
- Science Film on LED Screen : 4.00 to 7.00 pm : LED Screen : Open to All
- Night Sky Observation : 7.30 to 8.30 pm : Amphitheatre : Open to All