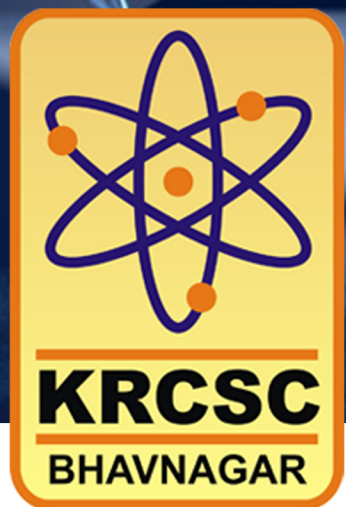


Activity Report 2018-19 (Bhavnagar District)



Department of Science & Technology
Government of Gujarat

Run by: Kalyan Foundation Trust, Bhavnagar &
Supported by: Gujarat Council on Science & Technology, DST, GoG, Gandhinagar

Kalyan Regional Community Science Center, Bhavnagar

"VIGYAN BHAWAN", Plot No. 2206/4-A, Near Sanskar Mandal, Punjab National Bank Street, Hill Drive, Bhavnagar

Ph. No.- (0278) 2570111, Email: krcscbvn@gmail.com, web: www.krcscbhavnagar.org

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Dept. of Science & Technology, Govt. of Gujarat

Self Evaluation Report

Sr. No.	Particular	Details
1	Name and Address Of CSC	Kalyan Regional Community Science Centre, "Vigyan Bhawan", Plot No. 2206/4-A, Near Sanskar Mandal, Beside Punjab National Bank, Hill-Drive, Bhavnagar-364002
2	Year of Establishment	2000-2001
3	Registration Number	Kalyan Foundation Trust, Bhavnagar Reg. No. E/2201, Bhavnagar
4	Year of receiving GUJCOST reorganization and Grant	2002-2003
5	Website Address	www.krscsbhavnagar.org
6	Facebook, Twitter and other social media ID	ID : krscsbhavnagar Face book, Instagram, Twitter, Pinterest, Google+, Youtube, Linkdin
7	No. of GUJCOST Science Clubs is with your CSC attached to Coordination?	230 (Registered During Year 2015-16)
8	Details about publication of Books / Magazine which develop Scientific temper	-----



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Gujarat Council on Science & Technology

Block-B, 7th Floor, M.S.Building, Sector-11, Gandhinagar

Community Science Centre Annual Review Meeting 2018-19

Name of CSC : Kalyan Regional Community Science Centre, Bhavnagar

Type of CSC : Regional

Name Of Co-ordinator : Mr. Harshad Joshi

Phone : 0278 - 2570111, Mo. 9979707221

Email-id : krcscbvn@gmail.com

Minimum yearly programmes conducted by CSC during year 2018-19

Sr. No.	Type of Programme	No. of Programme conducted by Regional CSC
1	Popular Lecture Series/workshop /Seminar	36
2	Community Based Programme	43
3	Celebration of Scientific Days	50
4	Science Exhibition (Model /Charts)	35
5	Science quiz/Science Seminar/Science Project competition/other GUJCOST programme	20
6	Vigyan Safar/ Video Van Programme/ Programmes of Scientific Awareness About Superstition	23
7	Demonstration of Science Experiments (Science Experiments) Vigyan Darshan/Joy of Science	30
8	Establishment of Science Club in School Activities	--
9	Communicators Training	01
10	Citizen Science Programme	43
11	National Children Science Congress	09

Name of Co-ordinator : Mr. Harshad Joshi

Signature of Co-ordinator :



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Activities Report for the year 2018-19

Total No. of Programme conducted by KRCSC during year 2018-19			290
Total No. of Days			177
Total No. of Beneficiaries			50,817
Sr. No.	Particulars	No. of Programme	No. of Beneficiaries
1	Celebration No. of Scientific Days	50	9,243
2	No. of Training Programme/Meetings Attends by CSC Coordinator / Communicator	04	1,486
3	No. of Programmes conducted at CSC	29	1905
4	No. of Programmes conducted at District Head Quarter (Out of CSC)	128	24745
5	No. of Programmes conducted out of District Head Quarter (Out of CSC)	156	25315
6	No. of Training Programmes conducted by CSC	10	465
7	No. of School level Programmes	231	38394
8	No. of College level Programmes	21	2744
9	No. of Community Programmes on (Health, women and child, farmers, superstition)	43	15123
10	No. of Program organized by CSC with financial assistance other than GUJCOST	01	85
11	GUJCOST Science Club Activity by Registered 230 Schools	230	--
12	Teacher Training Programme	09	692
13	Programs on Women	07	444
14	Gramsabha	02	310
15	Programs on Farmers	--	--
16	Programs on Patent / Trademark / IPFC	--	--



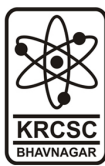
Introduction:

Since 2002, Kalyan Regional Community Science Centre, Bhavnagar has been held on various scientific awareness Programs in Rural & Urban Areas in Bhavnagar District. Kalyan Regional Community Science Centre, Bhavnagar Supported by Gujarat Council on Science and Technology, Gandhinagar and run by Kalyan Foundation Trust, Bhavnagar. We are focused on different Group of Society which includes Primary, Secondary & Higher Secondary School students, collage students, group of women's etc. our objective is to each & every person learn about science which is the part of their daily life. Our Vision is to inculcate scientific thinking among our society.

Our team works on different science knowledge based Programs which are described as under.

- Joy of Science & Vigyan Darshan.
- Sky Gazing by Telescope & Slide Show
- Academic programs on Science and Mathematics like Science Drama, Science Quiz, Science Seminar & other Projects on Science & Mathematics.
- Vigyan Safar (person interested in science can visit @ CSC that called Vigyan Safar)
- Community Based Programs
- Teacher's Training Programs
- Celebration of Various Scientific days
- Science & Mathematics Models Exhibition
- Scientific Awareness about Superstition & Food Adulteration.
- Explain Science rules by Practical base in school
- Popular lecture series, workshop & Seminar
- Night Trekking Camp
- Night Sky Gazing at seashore
- Cleaning Activities under Swachh Bharat Abhiyan
- Establishment of Science Club in Schools for Scientific Activity.
- Industrial Visits.
- Information Technology Quiz Competition (I.T Quiz) for Rural School Students.
- National Children Science Congress
- Science Communicator Training Program
- Subject wise Activity Through different Club run under KRCSC-Bhavnagar

Kalyan Regional Community Science Centre, Bhavnagar has conducted **290** Scientific Activity or Programs as listed above with **50,817** Participants or beneficiaries in **177** days during the year 2018-19.



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Achievement

National Children Science Congress (State Level)



(4 children Scientist selected for National level)

Since last 25 years National Children Science Congress project worked in India under Department of science and technology Govt. of India. Gujarat Council on Science and Technology handle this project in Gujarat. As parts of this Project District level National Children Science Congress-2018 organized by Kalyan Regional Community Science Centre Bhavnagar on 04th November 2018 at Vigyan Bhavan. State level National Children Science Congress-2018 organized by GUJCOST on 2nd & 03rd December, 2018 at Gujarat Vidhyapith, Ahmadabad. There were 330 research project presented by child scientist. There were 26 research project selected for National level. In this competition 4 Child scientists- Shaili Andharia, Jency Gundigara, Hetal Dodiya and Rohan Joshi from Bhavnagar district selected for National Level National Children Science Congress held at Bhuvneshwar. There were 15 participate benefited by these programme.

26th National Children Science Congress (National Level)

@ Bhubaneswar, Odisha

26th National Children Science Congress host by Odisha government. This programme supported & catalyzed National Council of Science & Technology Communication and Department of Science & Technology, Government of India, hosted by Odisha government. This event is scheduled on 27th to 31st December, 2018 at Siksha 'O' Anusandhan University, Bhubaneswar. In this programme more than 750 child Scientist from all over India and Asian and Gulf Country presented their research work. Many other activities are also planned for students and teachers. 04 Child scientist from Bhavnagar district also participated In this National level programme. There were 05 participate benefited by these programme.

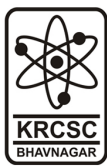
Collaboration Programme

Ground Breaking Ceremony of Regional Science Museum by GUJCOST



,Dr.Narottam Sahoo (Advisor, GUJCOST) were present in this ground breaking ceremony. Science outreach

In order to strengthen the efforts to popularize the science and technology among the society, Government of Gujarat has decided to establish four state-of-art Regional Science Museums at Vadodara, Rajkot, Bhavnagar, Bhuj and Patan. With this motive ground breaking ceremony of Bhavnagar regional science museum is held on 24th may, 2018 Mr. Bhumindrasinh Chudasama(Education Minister) , Shri Vibhavariben Dave (MLA, Bhavnagar), Shri Nimuben Bambhaniya (Mayor, Bhavnagar), Shri Bharatiben Shiyal (MLA), Shri Dhananjay Dwivedi (IAS: Secretary, DST, GOG)



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programme: quiz competition was organized for high school students participated in this ceremony. Quiz is held in two sessions. First session was MCQ round and second visual round. First, second and rest team of final round won Rs.2500/-Rs.2000/- and Rs.1000/- prize respectively. There were more than 1477 students participated in this RSM ceremony.

State Level VIPNET Work Shop @ Hotel Gen.-X , Bhavnagar Supported by Vigyan Prasar, New Delhi

The Kalyan Regional Community Science Centre (KRCSC) is connected with Vigyan Prasar (VP) through VIPNET CLUB and supported by Gujarat Council on Science and Technology, Gandhinagar. More than 20 thousand VIPNET CLUB are connected with Vigyan Prasar network. In the year 2016-17 Kalyan Regional Community Science Center, Bhavnagar is selected as platinum club among other VIPNET club in the state of Gujarat. As part of this KRCSC organized state level workshop on "Sustainable Technology is our Future."

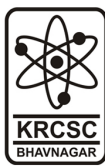


for the Science students, Teachers and persons who have keen interest in the field of science. In this workshop we invited as dignitaries Mr. Bharat Pathak(Geer Foundation, Junagadh), Dr. Brijmohan Thakor (Professor of Physics, Sardar Patel University, Anand) ,Dr. Atindra Shukla (I/C Director D.D. University, Nadia (Dr. Hitesh shah (Associate Pro., Science College, Bhavnagar), Mr. Shubhash Maheta (Rtd, Pro., Science College, Bhavnagar),Dr. Sandip Kumar(DCF, Bhavnagar). Our expert deeply explains on their topics. This workshop held at hotel Generation –X, Bhavnagar. There were more than 85 students and teachers benefited by this Workshop.

Annual Review Meeting



Gujarat Council on Science and Technology (GUJCOST), Gandhinagar organize annual review meeting for the year 2016 and 2017 at Science City, Ahmadabad. In this meeting every CSC member has to present their annual work through PPT.



Theme beside Teacher and Student Workshop

Vacation Workshop for Tarun Vikas Shibir @ Excel Crop Care Ltd. :

Theme : Criative Mind



Summer camp is a supervised program for children or teenagers conducted during the summer months. A personality can be shaped best if it can be shaped when the person is young & summer time is perfect for it. Summer time means skill & personality development with learn something new experience and increase your knowledge. With this aim every year Excel Crop care Ltd. organized Tarun Vikas Shibir. There were various topics in this workshop. For Science & Technology Subject Kalyan Regional

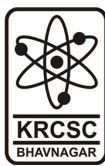
Community Science Centre, Bhavnagar invited to be a part of this shibir during 1 month 9th April to 28th April, 2018. In this shibir every week we teach different topics to each group. In this workshop there were different topics like Fun with Science, Science behind Superstition, Maths Model Making, Our Surrounding Nature etc. During this shibir all experts gave a grade to each students . and last of all this there were choose 2 best Shibirarathi from all. There were 46 students were participate in these workshop.

Vacation workshop @ M.S.B. 59, Shastrinagar, Bhavnagar

Theme : Criative Mind

Exams are over and Summer vacation has begun. Summer vacation means a time to learn the methods and skills to do something new. Keeping this motive in view, KRCSC organized 3 day Summer workshop in M.S.B. 59 on 20 to 23 April, 2018. A total of 50 students participated in the event. On the 1st day our expert Mr. Harshad Joshi explained the students about the mechanism of a Rocket. Further to this, he also guided them on how to build a model rocket out of paper. On the 2nd day Ms. Devyani Joshi and Ms. Gopika Dave did Fun and Learn activity with the students to help them understand the concepts of Science through fun experiments and activities. On the 3rd and the last day of the workshop the participants were given an understanding of Mathematics through the Ramanujan Magic square Model. There were 56 students were participate in these workshop.





Teacher Training Workshop:

Theme : Joy Of Science

The Science means the systematic study of the nature and behavior of the material and physical universe, based on observation, experiment, and measurement, and the formulation of laws to describe these facts in general terms. If person learn science in their early life it may be lead him/her in the era of Science. Kalyan Regional Community Science centre, Bhavnagar is working for science field to prepare scientist for Future of India through various programmes. "Joy of Science" is a programme in which Teachers learn Various Science Rules by live Science experiments practical's used in daily life and also included in their syllabus. In this way we explained different science rules like Balance, Air pressure, Water pressure, reaction between acid- bases etc. In this programme Teachers from primary school of whole Bhavnagar district. There were 35 students were participate in these workshop.

Teacher Training Workshop :

Theme : Magic of Chemicals

Teaching is a very dynamic field with regular innovations in pedagogy and technology, and this renders professional development an ongoing, life-long process. Gujarat Education Board introduce a new syllabus to all standards. So to induce new practices and its aspects Kalyan Regional Community Science Centre, Bhavnagar organized teacher training on magic of chemicals @ Majirajba Girls High School, Bhavnagar. In this programme our expert demonstrates and explained various experiment like redox reaction, saturated and unsaturated hydrocarbons etc. There were more than 150 teachers participated in this programme.

Teacher Orientation Workshop @ Bhavnagar :

Theme : introduces a new syllabus to all standards

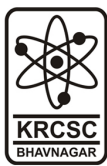
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Teacher Orientation Workshop for NCSC (District level) @ Bhavnagar :

Theme : Science, Technology & Innovation For A Clean , Green & Healthy Nation



Since last 4 years KRCSC worked on the project of National Children Science Congress. Different School teachers know that what is NCSC, how to work in this projects KRCSC organized teacher orientation programme on 19th June @ Majirajba Girls High School, Bhavnagar. In this programme our Expert explained history of NCSC, theme and sub theme, students how to work on this project and how to register their school online explained by project and academic coordinator. Our experts and evaluators were



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given guidance on the sub theme of Subject. More than 150 teachers from district participated in this programme.

Teacher Orientation Workshop on NCSC @ Vishuddhanand High School

Theme : Science, Technology & Innovation For A Clean , Green & Healthy Nation

Since last 25 years' National Children Science Congress project worked in India under Department of science and technology Govt. of India. Gujarat Council on Science and Technology handle this project in Gujarat. Focal theme and Sub theme are changed every two year. This year the theme of NCSC is SCIENCE, TECHNOLOGY & INNOVATION FOR A CLEAN, GREEN & HEALTHY NATION To Explained About New Theme and Sub Theme Kalyan Regional Community Science Centre Bhavnagar organized Teacher Orientation Workshop on 19th, September 2018 at Shri Vishuddhanand Vidhay Mandir, Bhavnagar. In this programme our Expert Mr. Bhavesh Vyas (District Academic Coordinator- NCSC) explained history of NCSC, theme and sub theme, students how to work on this project and how to register their school on NCSC Web portal. Our evaluators Mr. Harshad Joshi was given guidance on the sub theme of Subject. More than 65 teachers from district participated in this programme.

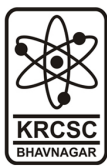


Orientation Workshop On Atal Tinkering Lab:



The Atal Innovation Mission (AIM) was set up in NITI Aayog for transforming the innovation and entrepreneurship ecosystem in the country. A key initiative of AIM is establishing a network of Atal Tinkering Laboratories (ATL) with the objective of creating scientific temper as well as cultivating the spirit of curiosity and creativity among young minds. In this Programme 4 schools of Bhavnagar district are selected in first and second list announced by NITI Aayog. In third phase other 5 schools of

Bhavnagar district are selected for ATL. For further process related to ATL Kalyan Regional Community Science Centre, Bhavnagar held orientation workshop for new selected schools ATL Coordinators on 1st August, 2018. In this programme our selected schools ATL coordinators gave presentation on the various topics related to ATL. At last KRCSC coordinator Mr. Harshad Joshi explained how to prepare agreement. There were 80 students and teachers were participated in this workshop.



Theme Based School Level Programme

Fire Safety Awareness Programme:



We are living in the wireless communication era but still we used some wires, many types of injurious gases and explosion in our daily life. We have fire exhaustion in our home as well as our working place. But when any fire accident occurs we didn't know the use of fire exhaustion. To create awareness about fire exhaustion Kalyan Regional Community Science Centre, Bhavnagar organized Fire Safety Awareness Programme at various in primary, secondary and higher secondary schools of Bhavnagar district. In this

programme our science communicator explained about types of fire. Types of fire tank, the precautions during fire accidents. There More than 1047 students benefited by these programmes.

First Aid Awareness Programme:

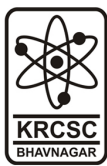
In recent decade every person wants to be a part of race to become millionaire. Due to this race person didn't care about their life. So some time met with an accidents or any calamity. During this calamity or accidents if you know how to treat an injured person so it may help him/her to save their life. With this motive Kalyan Regional Community Science Centre, Bhavnagar initiates a new programme First Aid awareness programme. During this month we organized 3 programme of First Aid. In this programme our expert Mr. Yashpal Vyas explained about various doctor knot, how to Bandage, how to make Stretcher during emergency. Use of basic medicine etc. KRCSC, Bhavnagar conduct 07 programmes. There More than 1173 students benefited by these programmes.



Our Surrounding Nature Programme:



In this age of environmental concern individuals are outwardly interested in the healthy state of their surroundings. As populations increase and we become more connected with our environment and each other through global communication, commerce and transportation, that interest also increases. Our desire for a clean environment represents a powerful sense of destiny and hope for the future. The environment provides



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many benefits. It heals us and helps us stay healthy. While medicines are derived from the elements of the environment and living organisms, sometimes simply being exposed to sunlight and fresh, clean air makes a difference in how we feel. Nature includes trees, bird's, land and many more. Our surroundings educate. Science and technology are the products of observing, studying and using the physical, chemical and biological world around us. Students learn the usefulness of our nature Kalyan Regional Community Science Centre, Bhavnagar organized 3 programmes of our surrounding nature in primary, secondary and higher secondary schools of Bhavnagar district. In this programme our expert explained about how to identify our surrounding trees and it's used in Aayurveda. He further explained about birds and its identification. KRCSC, Bhavnagar conduct 05 programmes. There More than 620 students benefited by these programmes.

Vigyan Safar

Theme : Science for the People

Vigyan Safar means to go and observe a place with curiosity to learn something new. KRCSC is a place where visitors learn basic rules of science and mathematics with different type of science models. The Students can also play with different type of science like sensor models, basic science working models in physics hall, in biology lab they saw various types of science models like life cycle of different animals, aquatic animals and on earth living animal's specimen, scientific games related to mathematics puzzles etc. All school, college students and community people are allowed to visit @ KRCSC. The motive of Vigyan Safar is to be a logical thinking and developing scientific attitude in our Society. KRCSC, Bhavnagar conduct 09 programme. There More than 725 students benefited by these programme.



Learn Without Lab

Theme : our Mind Is Instrument



Science is a wonderful thing if one does not have to earn one's living at it. One should earn one's living by work of which one is sure one is capable. Only when we do not have to be accountable to anybody can we find joy in scientific endeavor. The first steps should be to teach boys and girls the habit of observation so its educative influence on the mind of students. This can be done using easy and natural study of science using different material objects that they can always seeing. Learning is the process of

acquiring new or modifying existing knowledge, behaviors, skills, values, or preferences. For a science practical's it is compulsory to use a laboratory. Due to some reason's students are not able to visit a laboratory. So, students know about laboratory and lab instruments and to teach easy and realistic science Kalyan Regional Community Science Centre, Bhavnagar organized Learn Without Lab Program different



primary, Secondary and higher secondary school of whole Bhavnagar district. In this program our expert explained about various kinds of practices and rules used in those practices. We show different practical's used in daily life and also included in their syllabus. In this way we explained different science rules like Balance, Air pressure, Water pressure, Newton's Law, Ramanujan Effect and Einstein Law extra. KRCSC, Bhavnagar conduct 17 programme. There More than 3933 students benefited by these programme.

Science Behind Superstition programme:

Theme : Without Science Nothing Do It



Although there is no single definition of superstition, it generally means a belief in supernatural forces – such as fate – the desire to influence unpredictable factors and a need to resolve uncertainty. In this way then, individual beliefs and experiences drive superstitions, which explains why they are generally irrational and often defy current scientific wisdom. They have been there from times immemorial. They have their roots in ignorance, blind faith, fear of the unknown, lack of scientific spirit and complexes. They reflect the weak side of mankind.

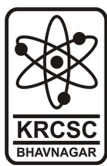
Superstitions are found everywhere. They have a stronghold on man in spite of rapid advancement of modern science, technology and knowledge. They have been there from times immemorial. Kalyan Regional Community Science Centre, Bhavnagar organized Superstition Awareness program for Community level. In this Program our Expert explained about what is superstition, by different phenomena which are carrying out by our ancient time and explained scientific reason with practical demonstration & also told the scientific reason behind our rituals. And also discuss a scientific reason behind old rules of our culture. KRCSC, Bhavnagar conduct 17 programmes. There More than 2003 students benefited by these programmes.

Food Adulteration Programme:

Theme : Harmful Food Habit

Among man's everyday needs, food plays a major sustaining role. From the simple dish to the most elaborate haute cuisine, food preparation is as varied and rich as man's taste. The lure of riches and general apathy towards mankind has led to adulterants being added to food from the simple stones in rice to the more harmful brick and boric powder. Adulteration is a legal term meaning that a food product fails to meet the legal standards. One form of adulteration is an addition of another substance to a food item in order to increase the quantity of the food item in raw form or prepared form, which may result in the loss of actual quality of food item. The products are marketed in a tricky manner, which is usually cheating the customers. However, FSSAI has made strong laws against adulteration; it's still not stopping the small vendors and businessmen to cheat customers. To create awareness about how to find that we have adulterated food or not Kalyan Regional Community Science Centre, Bhavnagar organized food adulteration Awareness Programme





Various Schools of Bhavnagar District. In this programme we explained about adulterants means, how can we fine adulteration in our food item by using household chemicals & other materials and affect adulterants on our human body. KRCSC, Bhavnagar conduct 02 programmes. There More than 117 students benefited by these programmes.

Magic of Chemical Programme:

Theme : Chemical Introduction



We think chemicals means a scientist do various experiments with beaker, flask and many more lab equipment in laboratory. Nowadays chemicals are a part of our daily life though there are injurious to our health. The students learn about these chemicals and identify their used in our life Kalyan Regional Community Science Centre, Bhavnagar organized 5 programmes of magic of chemicals in primary, secondary and higher secondary schools of Bhavnagar district. In this programme our expert explained about various chemicals and it's used in lab as well as

daily life to the students. She also explained scientific name and regular name of those chemicals. . KRCSC Bhavnagar conduct 08 programme. There More than 1258 students benefited by these programme.

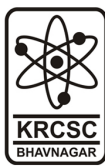
Universe Info by Slide Show:

Theme : Beyond The Planet Earth

Earth as we know it is an incredibly complex and fragile network of interconnected systems that have developed slowly over the last 4.5 billion years or so. From the ashes of the Big Bang this planet emerged as a mass of energy and elements. From that newly born mass of energy and elements evolved structured, dynamic systems of solids, liquids, and gases. The evolution of this planet continued to unfold over billions of years in such a unique way that eventually conditions arose with the ability to foster life. The Universe is all of space and time and their contents, including planets, stars, galaxies, and all other forms of matter and energy. While the spatial size of the entire Universe is unknown, it is possible to measure the size of the observable universe, which is currently estimated to be 93 billion light years in diameter. In various multiversity hypotheses, a universe is one of many causally disconnected constituent parts of a larger multiversity, which itself comprises all of space and time and its contents. Universe is the name that we use to describe the collection of all the things that exist in space. It is made of many millions of millions of stars and planets and enormous clouds of gas separated by a gigantic empty space which is called the universe.



We are not satisfied though we learn more and more about universe. To satisfy students curiosity related to universe Kalyan Regional Community Science Centre, Bhavnagar held on universe info by slide show



programme for primary, secondary, Higher Secondary, Collage students. In this Programme our expert Mr. Harshad Joshi explained Difference between sky and universe, achievements of Indian Space agency ISRO, Orbit of Earth, Various Launching vehicles and satellites, future plans of ISRO and NASA, Mars Orbit Mission (MOM), Indian Space Scientist and information about various planets, Satellites etc. KRCSC, Bhavnagar conduct 06 programmes. There More than 1039 students benefited by these programmes.

Night Sky gazing by Telescope Programme:

Theme : Beyond The Planet Earth



We know the Father of Nation Gandhi but we don't know that he has keen interest in astronomy. To create awareness among people about astronomy Cultural department of India organise Bapu Khagol Mela to celebrate 150th birth anniversary of Gandhi. In 1923 Gandhiji visit a Jainaashram at Songadh, Shihor. During this visit, he established the idol of Bharat Mata in Jain Ashram as a part of this programme Astronomy club of Bhavnagar under Kalyan Regional Community Science Centre, Bhavnagar organised Sky Gazing by telescope

programme at different place of Bhavnagar . M.J.C.K.R. Campus ,Songadh. In this programme our expert explained and saw phase of moon, various planets nearby earth. Kalyan Regional Community Science Centre, Bhavnagar organized various type of Sky Gazing by telescope at Takhteshwar Temple, Bhavnagar during all year. In this programme our expert Mr. Subhasbhai Mehta explained and saw phase of moon of Sharad Purnima. He Further explained Scientific reason of eating "DudhPauha". As a part of all thesesky gazing programme all people benefited by a lecture on Kartiki Purnima and moon phrases. Our expert Mr. Subhasbhai Mehta explained and saw phase of moon of Kartiki Purnima. And also explain about constellation and discuss about some secret about galaxy. Astronomy club organize a sky gazing by Telescope and show a super moon and mars planet at Velavadar National Park.Kalyan Regional Community Science Centre, Bhavnagar organized Comet 46/P wiratanenGazing by telescope at Takhteshwar Temple, Bhavnagar and also Koliyak, Ta: Ghogha, Bhavnagar. In this Comet gazing all people benefited by a lecture on what is comet and why it's come to near at the Earth. Our expert Mr. Subhasbhai Mehta explained and saw a pictures and chart for comet. And also explain about constellation and discuss about some secret about galaxy. Than Astronomy club organize a sky gazing by Telescope and show a moon, mars and saturnplanet during Night Trekking and Sky Gazing programme @ Koliyak, Ta. & Dist. Bhavnagar. On the 1st day we organized Night Sky Gazing by Telescope Koliyak for scout guide students. In this programme our expert gave information about Various Constellation & explained relation between astrology & astronomy. We also saw Venus by telescope. Super moons happen when a full moon approximately coincides with the moon's perigee, or a point in its orbit at which it is closest to Earth. To saw super moon Bhavnagar Astronomy Club working under Kalyan Regional Community Science centre, Bhavnagar organized Super moon gazing by telescope @ Takhteshwar Temple. In this programme our expert Mr. Subhasbhai Mehta explained about what is super moon, science behind this event, difference between super moon occurred on 23th December, 2018. He also explained about various phases of moon



Kalyan Regional Community Science Centre, Bhavnagar

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by slide show. KRCSC, Bhavnagar conduct 25 programmes. There were more than 10,560 people benefited by these programme during whole year.

Science and Mathematics Model & Chart Exhibition :

Theme : Play With Physical Instrument

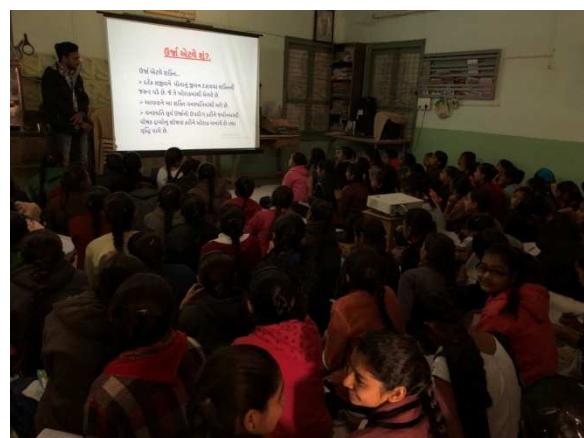


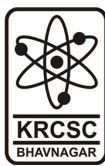
Kalyan Regional Community Science Centre exhibited Maths- Science and space Model exhibition and also Chart exhibition in different type programme during whole year. First our City level Science fair at MSB School no.08, Bhavnagar. And also @ Koliyak K.V School In math's- Science model exhibition students show different models like sensor related models, models explained different scientific rules, Solar model, math's model and different math's puzzles. also space related model in this exhibition students show space satellite, telescope etc. we held energy chart exhibition in

different school and also at KRCSC, Bhavnagar. Today's Era energy crisis is emerging as a big problem for human being. So we have to conserve energy resources. In students age we try to explain about non-renewable resources are finished in nearby future and we have to start use renewable energy resources. Students understand the importance of energy Kalyan Regional Community Science centre, Bhavnagar organized Awareness Generation Programmes on Sustainable Energy under Bal Urja Rakshak Dal-2018-19 programme powered by Climate Change Department, Government of Gujarat and Gujarat Energy Development Agency, Gandhinagar. Under this Programme Kalyan Regional Community Science centre, Bhavnagar held on Renewable Energy Recourse Chart Exhibition in various Upper Primary, Secondary and Higher Secondary schools of Bhavnagar. In this Chart exhibition students saw a various chart about biogas plant, Solar pump, solar drayar, windmill etc. KRCSC, Bhavnagar conduct 25 programmes. There were more than 5932 students & Teacher visited this model exhibition people benefited by these programme during whole year.

Renewable Energy Quiz Competition:

Today's Era energy crisis is emerging as a big problem for human being. So we have to conserve energy resources. In students age we try to explain about non-renewable resources are finished in nearby future and we have to start use renewable energy resources. Students understand the importance of energy Kalyan Regional Community Science centre, Bhavnagar organized Awareness Generation Programmes on Sustainable Energy under Bal Urja Rakshak Dal-2017-18 programme powered by Climate Change Department, Government of Gujarat and Gujarat Energy Development Agency, Gandhinagar. Under this Programme Kalyan Regional Community Science centre, Bhavnagar held on Renewable energy quiz competition in various Upper Primary, Secondary and Higher Secondary schools of Bhavnagar. In this competition we plan 3 round. Each round is tough enough for all students. In final round we selected only 5 students. These 5





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students represent their schools in district level Urja Utsav. There were more than 2600 students and teachers benefited by this programme.

Lecture on Renewable Energy Resources



Today's Era energy crisis is emerging as a big problem for human being. So we have to conserve energy resources. In students age we try to explain about non-renewable resources are finished in nearby future and we have to start use renewable energy resources. Students understand the importance of energy Kalyan Regional Community Science centre, Bhavnagar organized Awareness Generation Programmes on Sustainable Energy under Bal Urja Rakshak Dal-2017-18

programme powered by Climate Change Department, Government of Gujarat and Gujarat Energy Development Agency, Gandhinagar. Under this Programme Kalyan Regional Community Science centre, Bhavnagar held on Lecture on Renewable Resources in various Upper Primary, Secondary and Higher Secondary schools of Bhavnagar. Our Experts explained about what energy is, energy crisis means. Types of energy Resources. He also explained about renewable recourse used in nowadays like Solar cooker, Solar steel, Solar roof top, solar water heater and many more. There were more than 2000 students and teachers benefited by this programme.

Scientific Movie show @ KRCSC, Bhavnagar



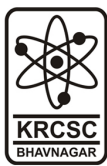
In this programme we shows scientific movie to primary school students and also visited them KRCSC. In this programme students are allow to visit our science centre where they can see different science model, solar energy model, electric saving model, sensor related models etc. In laboratory students can see life cycle of different animals, living animal's specimen & also do some experiment by themselves. We carried out a programme of Vigyan Safar More than 50 students visited KRCSC during this show.

District / State & National Level Programme:

National Science Seminar (District Level)

Every Year National Science Seminar (District level) organized by Kalyan Regional Community Science Centre supported by Gujarat Council on Science & technology department (GUJCOST). We know the importance of pulses in our daily life. So KRCSC, Bhavnagar held District level National Science Seminar on 11th of August 2018 at Government Medical College, Bhavnagar on the





theme of Industrial Revolution 4.0, Are we ready?

The lighting the lamp ceremony carried out by Mr. M.A Gandhi (Municipal Commissioner, Bhavnagar), Dr. B. N. Panchal (In. Dean, Government Medical Collage, Bhavnagar), Mr. Nitin Kankiya (Triveni Industry, Bhavnagar), Mr. Sunil Vadodariya (President, SCCI, Bhavnagar), Mr. Pareshbhai Trivedi (President of Kalyan Foundation), were explained about what is Industrial Revolution. In this competition Ms. Dabhi Hiral (Government High School, Chogath, Ta: Umralla), Ms. Ritika Jadeja (Naimishranya High School, Sidsar), Ms. Rutva Trivedi (B.B Shah High School- Devgana) got First, Second & Third rank respectively. First & Second Ranker will go to State level Competition for represent Bhavnagar District. There were 113 Primary & Secondary School students and teachers participated in this competition. Every Participant got certificate. 235 Students and Teachers were present in this district level competition.

National Science Seminar (State Level)

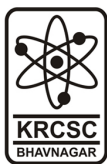
State level Science Seminar organized by GUJCOST at Science City, Ahmadabad on 17th September 2018. District winner Hiral Dabhi (Gov. high School, Chogath Ta. Vallbhipur) and Ritika Jadeja (Naimishyaran English Midiyam, Bhavnagar) participated in state level competition. Both student explain on their topic nicely and also gave a deep knowledge brief in this programme. From whole Gujarat 60 students were participated. 05 Students and Teachers were present in this district level competition.

National Rural I.T. Quiz (District Level)



The Programme has helped enhance IT awareness amongst Students at the grassroots level, keeping them abreast of the latest developments in the world of Information Technology. The Programme is conducted for Students from Standard 8 - 12. Tata Consultancy Services Ltd organizes National Level Rural I.T Quiz at Bangalore. In part of this Kalyan Regional Community Science Centre supported by Gujarat Council on Science & Technology Department (GUJCOST) Conducted District level National Rural I.T

Quiz on 5th of August 2017 at Government Medical Collage, Bhavnagar. In this programme The lighting the lamp ceremony carried out by Mr. M.A Gandhi (Municipal Commissioner, Bhavnagar), Dr. B. N. Panchal (In. Dean, Government Medical Collage, Bhavnagar), Mr. Nitin Kankiya (Triveni Industry, Bhavnagar), Mr. Sunil Vadodariya (President, SCCI, Bhavnagar), Mr. Pareshbhai Trivedi (President of Kalyan Foundation). This I.T Quiz has 3 different rounds. First one is elimination. In this round 85 teams have to give answer of 40 questions. In this round best 35 teams selected out of 69 teams. The next Round was in which selected 30 teams participated. Third and final round is Audio- Visual round in which students gave to answer of question asked by quiz master on the screen. There was a tough Competition among the students and after completion of 3rd session we got best 10 teams out of 16 teams. This team is going to participate in State level Competition. From entire Bhavnagar District 81 team of 81 Rural Primary & Secondary School Participated in this competition. Total 250 students, Teachers and other was participated in this quiz competition.



National Rural I.T. Quiz (State Level)

State level National Rural I.T Quiz organized by GUJCOST. Best 10 winning teams from Bhavnagar district participated in State level Competition held at Vishwavidhyalaya, Gandhinagar on 06th September, 2018. From whole Gujarat 320 teams were participated. Mr. Narootam Sahoo (Adviser & secretary, GUJCOST, Gandhinagar & Science City, Ahmadabad) were present to motivate the students. Total 32 students, Teachers and other was participated in this quiz competition.

National Children Science Congress (Pre. District level @ Bhavnagar)



Since last 25 years' National Children Science Congress project worked in India under Department of science and technology Govt. of India. Gujarat Council on Science and Technology handle this project in Gujarat. As parts of this project National Children Science Congress-2018 organized by Kalyan Regional Community Science Centre Bhavnagar on 6th October, 2018 at KRCSC, Bhavnagar. The programmes Dr. Hitesh Shah (Associate Prof. Sir P.P Science Collage, Bhavnagar), Dr. Pranav Shah (Associated Prof. Homeopathic Collage,

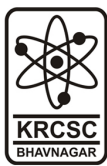
Bhavnagar) Shri Bhaveshbhai Vyas (District Academic Coordinator NCSC), were present to motivate the students. There were 30 Upper primaries and Secondary School students presented their research work prepared by a team of 2 members by selecting various subthemes under focal theme "Science, Technology & innovation for Clean, Green and Healthy Nation.

National Children Science Congress (District level)

Since last 25 years' National Children Science Congress project worked in India under Department of science and technology Govt. of India. Gujarat Council on Science and Technology handle this project in Gujarat. As parts of this project National Children Science Congress-2018 organized by Kalyan Regional Community Science Centre Bhavnagar on 26th October 2018 at M.J.C.K.R. Campus, At: Songadh, Shihor and 4th November 2018 at "Vigyan Bhavan" Bhavnagar. The lighting ceremony carried out by Dr.



Hitesh Shah (Associate Prof. Sir P.P Science Collage, Bhavnagar), Dr. Niraj Rajyaguru (Principal, Kobadi Primary School), Shri Bhaveshbhai Vyas (District Academic Coordinator NCSC), Mr. Sailesh Dabhi and Mr. Harshad Joshi (Coordinator-KRCSC) was present to encourage the students. There were 42 Upper primaries and Secondary School students presented their research work prepared by a team of 2 members by selecting various subthemes under focal theme "Science, Technology & innovation for Clean, Green and



Healthy Nation” of NCSC. There were best 10 projects representing Bhavnagar district in state level NCSC-2018.

National Science Drama Festival-2018 (District level)



To create awareness about varied subjects among a community National Council on Science museum, Mumbai and Nehru Science centre organize National Science Drama Festival every year. GUJCOST coordinate and organize the National Science Drama in Gujarat. Kalyan Regional Community Science Centre supported by Gujarat Council on Science & technology department (GUJCOST) Organized Science Drama Festival-2018 is on 7th October, 2018 @ A.K. Mordiya High School, At: Nari, Ta: Bhavnagar in Bhavnagar

District. The Theme of the Drama is SCIENCE FOR SOCIETY. Lighting Ceremony of this programme carried out by Mr. Subhasbhai Joshi (Rtd. Employee SPI, Bhavnagar), Mr. Deep Vyas (Teacher, D.J. Mehta High School Bhavnagar), Mr. Satishbhai Makwana (Teacher, D.J. Mehta High School Bhavnagar), Mr. Ashwin Patel (Principal, A.K. Mordiya High School) and Mr. Harshad Joshi (Coordinator- KRCSC). There were 200 people including 88 students from various school total 221 Students & teachers of Bhavnagar district benefited by this programme. G.M. Donda Primary School Secured first rank in this competition.

State Level Science Drama Festival @ Science City

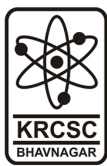
Every year CSC from all District organize district level National Science Drama festival. In this competition Drama which represent current situation by their casting & convene a good message through it. GUJCOST organize state level National Science Drama festival @Science city held on 21st & 22nd November, 2018. In this competition district winner from all district put in this connotation. State winner team will be participating in zonal level competition held at Mumbai. there were 12 people benefited by this programme

Event Programmes

Super Blue Blood Moon Gazing Programme by Telescope @ Takhteshwar Temple



The only total Lunar Eclipse of 2019, which is also being called as Super Blood Wolf Moon is over. The first pictures of the rare phenomenon are out now. The Moon appeared reddish and closer to Earth, and the total eclipse lasted for 62 minutes. For Bhavnagar Astrogazer Kalyan Regional Community Science centre, Bhavnagar Organized Super Blue Blood Gazing on 21st January, 2019 by telescope at Takhteshwar Temple. KRCSC arrange 3 telescopes with live projection. Mr. Subhasbhai Mehta our Expert explained



about eclipses, constellation, and zodiac sign. He also gave information about “Chandra Mission” of ISRO and Apollo Mission of NASA. More than 200 people were a part of this rare astronomical.

Jupiter & Venues Gazing Programme @ Takhteshwar Temple

The Sky Tonight is a monthly update of the amazing things you can find when looking up in the sky. Venus and Mars meet Once a year, so does Venus and Jupiter, Mars and Jupiter meet once every two or three year – but the unique opportunity to find them all together .Venus Jupiter conjunction as something very beautiful and wonderful. When these two attractive planets appear together in the sky, you will find them present a beautiful sight to the eyes. For Sky Watchers of Bhavnagar Kalyan Regional Community Science Centre, Bhavnagar organized Jupiter and Venues gazing programme at Takhteshwar Temple on 11th and 29th May, 2018. In this Programme our expert Mr. Subhasbhai Mehta explained about solar system, details of both planets Venus and Mercury, Constellation. He also explained about how this event occurs .He also explained about moon and its surface, how Constellation and Zodiac sign are connected. He further explained about extra month are occurred in Gujarati calendar. There more than 765 citizens were participated in this astronomical event.

Mars Gazing Programme @ Takhteshwar Temple:

Mars will be closest to the Earth in a decade and a half today, on the night of July 31, 2018. The Earth will have the Red Planet and the Sun on either side, with the three celestial bodies in a straight line. Though the two planets will be at closest distances to each other, they will still be 57.6 million km apart. This will be the closest distance between Mars and Earth till October 2020, but the Red Planet’s visibility as good as today’s only every 15-17 years. Mars will be at its closest and brightest to Earth in 15 years over the next few days so for Sky watcher Kalyan Regional Community Science Centre, Bhavnagar held on total lunar eclipse gazing programme at Takhteshwar temple, Bhavnagar. In this event our expert explained about mars, our Mars Mission, Various plants and constellations. More than 100 sky watcher were participated in this programme.

Lecture on Total Lunar Eclipse

The month of July will end with unique celestial phenomena: a total lunar eclipse, a blood moon, which will be the longest one of the century. These events will play out simultaneously over the night sky, on the final hours of July 27, and the early hours of July 28. While all events will not be visible worldwide, India will fall under the zone in which the blood moon, lunar eclipse will be visible. For our club members Kalyan Regional Community Science Centre, Bhavnagar held on workshop on total lunar eclipse @ Vigyan Bhavna, Bhavnagar. In this workshop Mr. Subhasbhai Mehta explained about types of eclipse. Why this eclipse is important for the world. Various beliefs behind eclipse. More than 50 students participated in this workshop.





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Total Lunar Eclipse Gazing Programme @ Takhteshwar Temple



The longest total lunar eclipse of the 21st century takes place this Friday, July 27. The total lunar eclipse will last for 6 hours and 14 minutes from start to end, with the full eclipse lasting 1 hour and 43 minutes. This is just 4 minutes shorter than the longest recorded eclipse on Earth, which took place on 16 July, 2000, and lasted a little over 1 hour and 46 minutes. This fell short of being the longest possible total lunar

eclipse by a mere 48 seconds. Citizens of Bhavnagar witness this unforgettable astronomical event. Kalyan Regional Community Science Centre, Bhavnagar held on total lunar eclipse gazing programme at highest point of Bhavnagar city Takhteshwar temple, Bhavnagar with various types of 4 telescopes. In this event our expert Mr. Harshad Joshi explained about scientific reason behind eclipses. KRCSC is also on live with face book and big screen. More than 3500 astronomy lover people witness this event.

'Super Worm Moon' gazing programme:



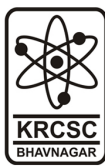
Spring Equinox Brings the 'Super Worm Moon'. In this month we know that spring comes. The full moon of March, called the Worm Moon, just under four hours after the vernal equinox the moment when the length of day and night on Earth is nearly the same, marking the start of spring in the Northern Hemisphere and autumn in the Southern Hemisphere. On this day Kalyan Regional Community Science Centre, Bhavnagar organized Lecture on Spring Equinox for community people. Our expert explains about how these situations create. It is also come a day

after the moon reaches perigee, the closest point to Earth, making the full moon a "Supermoon," appearing slightly larger than the full moon usually does. Kalyan Regional Community Science Centre, Bhavnagar organised 'Super Worm Moon gazing programme @ Takhteshwar temple, Bhavnagar. We also arranged 12" inch telescope named Subhash 12" for astronomer. There were more than 700 citizens were participated in this astronomical event.

School Sky Gazing by Telescope @ District Level Science Fair



Kalyan Regional Community Science Organized Sky Gazing Programme at Dagapur Village, Ta: Ghogha. Our expert Mr. Harshad Joshi explained about moon and its phases, geodic sign different Constellation, how to find cold star, how to find different Constellation to the students and how to saw them with help of telescope. There were 750 citizens benefited by this programme.



Day Celebration Programmes :

Celebration of World Earth Day:



Earth Day is an annual event. We know it celebrated on April 22, on which day events worldwide are held to demonstrate support for environmental protection. It was first celebrated in 1970, and is now coordinated globally by the Earth Day Network, and celebrated in more than 192 countries each year. Numerous communities celebrate Earth Week, an entire week of activities focused on environmental issues. Kalyan Regional Community Science Centre with Gujarat Pollution Control Board organized Drawing competition on

the theme of 'End of plastic waste' at VidhyaVihar primary school, Bhavnagar. In this drawing competition were there to motivate the students and also for prize distribution ceremony. We classified them in 2 different groups. 1st, 2nd & 3rd Winner from each groups got cash prize respectively and every participant got certificate in this Drawing competition. There were 200 students participated in this drawing competition.

Cleaning Campaigning at Sea-Shore@ Koliyak: (World Environment Day)

World Environment Day is the UN's most important day for encouraging worldwide awareness and action for the protection of our environment. Since it began in 1974, it has grown to become a global platform for public outreach that is widely celebrated in over 100 countries. Each World Environment Day is organized around a theme that focuses attention on a particularly pressing environmental concern. The theme for 2018, "Beat Plastic Pollution," is a call to action for all of us to come together to combat one of the great environmental challenges of our time. With this motive Kalyan Regional Community Science Centre, Bhavnagar and Gujarat Pollution Control Board, Bhavnagar collectively organized cleaning campaigning @ sea shore of Koliyak. In this programme Mr. Falgun Modi (R.O, GPCB, Bhavnagar), Mr. Harshad Joshi (Coordinator, KRCSC) staff members of GPCB, KRCSC, Club Members of Bhavnagar Astronomy club and Creative chemistry club working under KRCSC, Dignitaries and Staff members of Nirma. And also this campaigning @ sea shore of Amreli.



Drawing Competition on World Environment Day:

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environmental challenges of our time. With this motive Kalyan Regional Community Science Centre, Bhavnagar and Gujarat Pollution Control Board, Bhavnagar collectively organized Drawing competition @ Regional Science Museum. .In inauguration ceremony of this Programme Mr. Falgun Modi (R.O, GPCB), Mr. Harshad Monpara were present. Participants share their thoughts about the beat plastic. This competition organized in three groups. Winner of each group got Rs. 700/-, Rs.500/- and Rs.300/- cash prize respectively. Every participant got an certificate. There were more than 180 students participated in this competition.

Beat Plastic Awareness Campaigning By Street Play @ Palitana (World Environment Day)

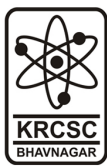
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Celebration on International Yoga Day:



International Day of Yoga, or commonly and unofficially referred to as Yoga Day, is celebrated annually on 21 June since its inception in 2015. An international day for yoga was declared unanimously by the United Nations General Assembly Yoga is a physical, mental and spiritual practice originated in India. The Indian Prime Minister Narendra Modi in his UN address suggested the date of 21 June, as it is the longest day of the year in the Northern Hemisphere and shares a special significance in many parts of the world. To Celebrate International Yoga day Kalyan Regional Community Science Centre, Bhavnagar



various yoga at primary and secondary school of Bhavnagar district. In this programme our expert explained about awareness yoga and its importance in our life. More than 500 students participated in this yoga day celebration.

Lecture on World Population Day:

On July 11th every year is an event known as World Population Day. You may not have heard of such a day before but it has been celebrated for almost three decades. The aim of this day is to focus the world's attention on the importance of population issues. The Governing Council of the United Nations Development Programme recommended its introduction in 1989. Inspiration for this special day comes from the interest that was raised by "Five Billion Day" on 11th July, 1987. This was the day when the world's population reached 5 billion. "Family Planning is a Human Right", will be the focus of the 2018 celebration. To Create awareness about this day Kalyan Regional Community Science Centre, Bhavnagar organized lecture on the theme of this year "Family Planning is a Human Right" in V.P. Kapdiya College, Bhavnagar. In this workshop our expert Dr. Diptiben Shah explained about A basic human right is to be able to get safe and effective family planning. It should also be a voluntary choice. Gender equality and women's empowerment depend on it. Furthermore, it is a key factor in reducing poverty. There were more than 300 girls benefited by this programme.

Drawing Competition on World Population Day:

On July 11th every year is an event known as World Population Day. You may not have heard of such a day before but it has been celebrated for almost three decades. The aim of this day is to focus the world's attention on the importance of population issues. The Governing Council of the United Nations Development Programme recommended its introduction in 1989. Inspiration for this special day comes from the interest that was raised by "Five Billion Day" on 11th July, 1987. This was the day when the world's population reached 5 billion.

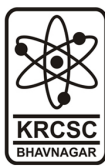


"Family Planning is a Human Right", will be the focus of the 2018 celebration. To Create awareness about this day Kalyan Regional Community Science Centre, Bhavnagar organised Drawing competition on the theme of this year "Family Planning is a Human Right" in Swaminarayan Gurukul Bhavnagar. In this competition There were more than 150 students participated in this programme.

Celebration on World Snake Day:



The 16th of July is celebrated as World Snake Day. Though a relatively obscure holiday with unclear origins, it is celebrated by wildlife enthusiasts the world over with great passion. Tributes sometimes even make the national news. Given human society's age-old fascination with these beautiful but misunderstood creatures, a day to celebrate them seems only fair. To celebrate this day Kalyan Regional Community Science Centre, Bhavnagar organized snake awareness



programme at swamivivekanand homeopathic college, Bhavnagar. In this our expert Mr. Yashpal Vyas explained about types of snake found in Gujarat as well as Bhavnagar district. He further explained about venomous and non venomous snake, snake bites, first aid when bite snake and do and don't on snake bites. There were more than 100 students participated in this awareness programme.

Celebration of World Wild Life Week:



Wildlife Week is celebrated all over the country in the month of October from 2nd to 8th October every year with the view to preserve the fauna means the animal life of the India. To celebrate wild life week Kalyan Regional Community Science Centre, Bhavnagar organized different kinds of programme at Bhavnagar district. Essay competition at B.N.Virani High School, Bhavnagar. In this essay competition students write an essay on wild life conservation. In this competition students write their thought about conservation of wild

life. There were 120 students participated in this competition. lecture on world life conservation at Aashutosh Vidhyalay, Bhavnagar. In this lecture our expert explained out why we have to celebrate this week, importance of wild animals and plant in our life as well as our ecosystem. There were more than 50 students benefited by this programme. Drawing competition at Nari Girls School, At: Nari, Ta: Bhavnagar. In this Drawing competition students draw a picture on wild life conservation. In this competition students write their thought about conservation of wild life. There were 70 students participated in this competition. educational tour at Victoria Park, Bhavnagar for life science department students. In this visit our Expert explained about various birds and animals, how to identify them as per their characteristics'. He further explained about various herbs plant found in herb garden. There were more than 70 students participated in this tour.

Recipe competition and lecture on National Milk Day Celebration Programme:

This year it was 95th birth anniversary of Dr.Vergheze Kurien and third edition of observance of the day science it was established in 2014.Dr.VerghezeKurien, father of the white Revolution in India a great example for people how to use milk in our daily life and why milk is important for us. On Celebration of this day Kalyan Regional Community Science Centre Bhavnagar organized a recipe competition by Milk for Tapovan Mahila Mandal, Bhavnagar. In this Competition our expert Mrs. Maltiben Purohit gave 1st,2nd and 3rd rank and also all participated member discuss about their recipe. In this competition 20 woman's participated. The National Milk Day (NMD) was observed on 26 November is to mark birth anniversary Dr. Vergheze Kurien, father of the white Revolution in India. To celebrate this day Kalyan Regional Community Science Centre, Bhavnagar organized a lecture on importance of milk in our daily life at Tapovan mahila Mandal. In this Lecture our expert explain Milk is the primary source of nutrition for infant mammals before they are able to digest other types of food that why Milk is especially beneficial for children. And also discus about importance of milk nutrition.





Lecture on Our Soil (Celebration on Soil Day):

World Soil Day (WSD) is held annually on 5th December as a means to focus attention on the importance of healthy soil and advocating for the sustainable management of soil resources. Kalyan Regional Community Science Centre, Bhavnagar organised lecture on our soil at Bordi high school. In this lecture our expert explained about what is soil? types of soil, important of soil in our life. Which type of soil is required for different types of crop. She also explained about colour of soil depend on minerals in it. We also distribute soil kit which include practical application of soil testing. There were more than 100 students benefited by this programme.

World Mountain Day Celebration (Velavadar visit):



Almost one billion people live in mountain areas, and over half the human population depends on mountains for water, food and clean energy. Yet mountains are under threat from climate change, land degradation, over exploitation and natural disasters, with potentially far-reaching and devastating consequences, both for mountain communities and the rest of the world. In this programme we held a tour of Blackbuck National Park, Velavadar, Bhavnagar for student of VidhyaVihar Trust Higher secondary School, Ta: Mahuva, Bhavnagar.

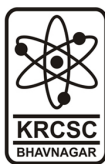
Velavadar for primary and upper primary school students. During this visit students saw museum related to blackbuck, wetland areas of the park. In this programme our expert Mr. Yashpal Vyas explained about blackbuck, their species, what is the meaning of albino blackbuck. He also explained about various bird found in the park and identification of birds. There were 60 students and teachers visited this park.

Celebration on Birth anniversary of Dr. Vikrambhai Sarabhai

Vikram Sarabhai or Vikram Ambalal Sarabhai who would have turned 100 on 13 August, 2018. A rare combination of a scientist, an innovator, industrialist and a visionary. He was one of the greatest scientists produced by India, and was known as the father of the Indian space programme. One of his first milestones was establishing the Physical Research Laboratory (PRL) in Ahmedabad on November 11, 1947. He was only 28 at that time. Sarabhai served for PRL from 1966-1971. He also served as a Chairman of the Atomic



Energy Commission. Along with other Ahmedabad-based industrialists, he played a major role in the creation of the Indian Institute of Management, Ahmedabad. To celebrate this memorable great scientist birthday Kalyan Regional Community Science Centre, Bhavnagar held tree plantation programme at Department of Life Science, MKB Uni., Bhavnagar. Dr. Bharat sinh Gohil (H.O.D., Department of Life Science, MKBU) And All Student With Science Communicator. There were more than 100 trees plant by students and teacher



Energy Conservation awareness Rally (Celebration on Energy Conservation day)



Bal UrjaRakshak Dal (BURD) Programme running under Gujarat Energy Development Authority (GEDA). The aim of this organisation is to pass the message related to energy conservation and uses of renewable energy resources to the People. For the same Kalyan Regional Community Science Centre, Bhavnagar Incorporate with GEDA organized Energy Conservation Rally on 14th December 2018 (National Energy Conservation Day) during 7.30 to 05:00pm in various aria of Bhavnagar city. Our expert share their thoughts

on energy crisis faced by us and use of renewable energy resources. signal to the rally Energy Conservation rally starts at Tejaswi primary School & afterwards onother 3 school students participated in this rally the second was M.S.B. school no. 73, third Mahalakshmi high school and fourth Vidhyavihar secondary High school, chitra. During this rally students carry banner of their school, play card and different slogan related to energy conservation with them. There were more than 800 students & teachers from 4 school of Bhavnagar District participated in this rally.

Lecture on National Mathematics Day:

In India, the day December 22 has been declared as the National Mathematics Day. Dr Manmohan Singh also announced that the year 2012 CE would be celebrated as the National Mathematics Year The Indian mathematical genius Srinivasa Ramanujan was born on 22 December 1887 and died on 26 April 1920. It was in recognition of his contribution to mathematics the Government of India decided to celebrate Ramanujan's birthday as the National Mathematics Day every year and to celebrate 2012 as the National Mathematical Year. National Mathematics day was celebrated by Kalyan Regional Community Science centre, Bhavnagar at Shri L.L. Kakadiya Secondary School, Ta: Vallbhipur, In this programme our expert Mr. Harshad Joshi explained life history of A Great scientist Ramanujan, mathematics Past, Present and Future by slide show. Afterwards he explained how to make mathematical models to the students and according to his instruction students made different models mode like The magic square of Ramanujan, Taxi Cube and Magic of number Nine etc. Total 250 students benefited by this programme.

National Farmer Day celebration Visit Victoria Park, Bhavnagar.

National Farmers' Day (Kisan Diwas) 2018 was celebrated all over India on 23rd of December, on the birthday of the 5th Prime Minister of India, Choudhary Charan Singh, also a farmer's leader, who introduced many policies to improve the lives of the Indian farmers. Farmers are the backbone of India. India's land of agricultural land celebrates National Farmer's Day on December 23 so that the great work done by the farmers of our country can be respected. We organized a visit of Victoria park, Bhavnagar for students of VidhyaVihar school Ta: Mahuva, Bhavnagar. Our expert explain about Utility about importance of trees for soil. in this visit More than 60 students benefited .

Celebration on Nature Conservation Day @ Victoria Park:

World Nature Conservation day is celebrated on July 28 across the world in order to raise awareness about protecting nature and conserving our natural resources. With problems like deforestation and illegal wildlife trade on the rise, nature conservation has gone up on the list of priorities for a lot of countries. In India, the increased urbanization has led to issues like lack of wildlife habitat, loss of forest cover and



pollution. The government has recognized this as a problem and taken initiative to reverse it. Kalyan Regional Community Science Centre, Bhavnagar held on visit to a Victoria park to celebrate this day. Our expert related to nature conservation gave information related to Victoria park like area covered by this park, birds and trees found in this park. He further told about herb Centre, how many herbs are there in that herb Centre. There were 50 students and 3 teachers from various school participated in this visit.

Celebration on World Ozone Day

Drawing Competition @ Gurukul and Kalakendra:



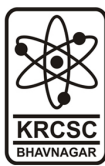
International Day for the preservation of Ozone Layer is an annual observance. It is celebrated on 16th of September every year to spread awareness and bring attention to the depletion of the ozone layer. This year theme of Ozone day is “KEEP COOL AND CARRY ON: MONTREAL PROTOCOL”. Kalyan Regional Community Science Centre with Gujarat Pollution Control Board organized Drawing Competition and Coloring at Kala Kendra, Bhavnagar. In this competition dignitaries Dias Shri Falgun Modi (RO, GPCB, Bhavnagar), Shri Bharatbhai

Pandya (Drawing Teacher), Shri Saileshbhai Dabhi (Coordinator Fine Arts College, Bhavnagar) were present to motivate the students. This competition is divided in three groups,- Age- 5 to 12 (Group- A), age-12 to 20 (Group- B) and Age-above -21 (Group-C). Students from Age 1 to 5 have coloring competition. Each age group students draw an Picture on Save ozone and stop Pollutions. There were more than 260 students participated in this competition. 1st, 2nd and 3rd winner got Rs. 500/-, Rs. 300/- and Rs. 200/- Cash prize and every participants got certificate. And also Kalyan Regional Community Science Centre with Gujarat Pollution Control Board organized Drawing Competition at Swaminarayan Gurukul, Bhavnagar. In this Competition student from standard 5 to 12 were participated. Students draw picture on their thought based on save ozone. There were more than 150 students participated in this competition. 1st, 2nd and 3rd winner got Rs. 500/-, Rs. 300/- and Rs. 200/- Cash prize and every participants got certificate.

Lecture on World Ozone Day @ Women ITI

International Day for the preservation of Ozone Layer is an annual observance. It is celebrated on 16th of September every year to spread awareness and bring attention to the depletion of the ozone layer. This year theme of Ozone day is “KEEP COOL AND CARRY ON: MONTREAL PROTOCOL”. Kalyan Regional Community Science Centre with Gujarat Pollution Control Board organized Lecture on Ozone Layer: Our Protector at Women ITI Bhavnagar. In this Programme The Chief Guest & Expert of this programme Dr. Bharatsinh Gohil (HOD, Dept. of Life Science. M.K.B University, Bhavnagar) explain about Various Layer of Atmosphere, where we can find Ozone Layer, impotence of Ozone Layer, why it necessary for all of us. There were more than 50 students participated in this lecture.





Celebration on World Ozone Day Quiz Competition @ Women ITI



International Day for the preservation of Ozone Layer is an annual observance. It is celebrated on 16th of September every year to spread awareness and bring attention to the depletion of the ozone layer. This year theme of Ozone day is "KEEP COOL AND CARRY ON: MONTREAL PROTOCOL". Kalyan Regional Community Science Centre with Gujarat Pollution Control Board organized Quiz Competition at Women ITI Bhavnagar. In this Programme there were two rounds. First round contain 20 questions and 2nd round contain 15 questions. There were tough competitions among students. There were more than 50 students participated in this competition. 1st and 3 students got 2ndrank. Each of them got Rs. 500/-, Rs. 300Cash prize and every participants got certificate.

Lecture and Drawing Competition on National Birds Day

Nature lovers, bird lovers and bird watchers across the country annually recognize national bird day on January 5. In general wildlife lover and naturalist celebrate this day to educate student about birds which is endanger in wildlife, to protect it. Kalyan Regional Community Science Centre, Bhavnagar organised lecture on birds and Immigrates Birds. In this lecture our expert explained so many bird species are under threat thanks to the illegal pet trade, disease, and habitat loss means it's more important than ever to raise public awareness of the needs of birds. The survival of hundreds of species depends on it. There were more than 100 students benefited by this programme. Birds have a special place in our hearts, their beauty, their songs, their flight, so it's time to celebrate them on National Bird Day on January 5! While birds are amazing, To Celebrate this day Kalyan Regional Community Science Centre, Bhavnagar organised drawing competition for Scout guide students. In this competition students draw a picture on their thoughts about immigrates birds. First, Second and third winner got Rs. 300/-, 200/- and 100/- cash prize respectively.

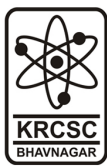
Botad District Level Urja Utsav-2018



Botad Bal Urja Rakshak Dal-2019 programme sponsored by Climate Change Department (GOG), Gujarat Energy Development Agency (GEDA), Gandhinagar. The Motive behind this programme is that Students get practical knowledge how to save environment from the pollution of non renewable energy. Since last 2 month team of KRCSC held on various programme like Energy Quiz, lecture on energy resources, chart & model exhibition under Awareness Generation Programmes on renewable Energy at 60 schools of Bhavnagar District. During this

programme 5 best students were selected in quiz competition .this 5 selected students represent their school in district level Urja Utsav.

On 20th January, 2019 KRCSC organized District level Urja Utsav-2019 at Shri Adarsh secondary and Higher Secondary School, Hadad, Botad. KRCSC plan various activities for all School Students. In inauguration



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ceremony of this Programme Mr. G.G. Bhandaliya (Dep. Eng. PGVCL), Mr. Prabhu Trasadiya (M.G., Adarsh Sec.& High.Sec. School,Hadadad,Botad), Mr. Sanjay Dhandhal (Principal, Adarsh School),Ms. Payal Solanki (Child Scientist, NCSC-2019),Ms. Bhumika Patel (Principal, M.S.B. 24, Botad)were present to motivate the Students. Invitee Guests flag off the rally after inauguration function. In this Programme there were 5 Competition held for students Like Slogan and Drawing Competition ,Model & Chart Exhibition, Quick Elocution Competition , Energy Quiz Competition and Fancy Dress Competition. 1st, 2nd & 3rd Winner got Rs. 500/-, 350/- and 200/- cash prize respectively and every participant got certificate in these competition. In all Competition Shri Adarsh secondary and Higher Secondary School,Hadadad,Botadachieve Best School of the Programme. There were more than 250 students and teacher participated in this programme.



Visit to Black buck National Park (Celebration of World Forestry Day-2018):

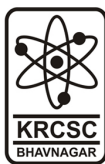
Every year 21st March is celebrated as World Forestry Day. To create awareness among community through students about value, significance & Contribution of the forests to balance the life cycle on earth. With this motto Kalyan Regional Community Science Centre, Bhavnagar organise Visit to Black buck National Park, Velavadar for primary and upper primary school students. During this visit students saw museum related to blackbuck, wetland areas of the park. In this programme our expert Mr. Yash Vyas explained about blackbuck, their species, what is the meaning of albino blackbuck .He also explained about various bird found in the park and identification of birds. There were 70 students and teachers visited this park.

National Science Day Celebration :



It is not easy to say the way science and new technologies are evolving. With the help of science, human have made their lives better and easy. Not only this, we have made impossible things possible like man is reaching into space, robots, computers etc. have been invented. Therefore, science holds great importance in our lives. India has also contributed a lot in the field of science. Many great scientists were born in India and recognized India in the field of science and made a separate place too.

On 28th of February every year the National Science Day is celebrated in India. Famous Indian scientist Sir Chandrasekhara Venkata Raman or CV Raman discovered the Raman E ffect on this day in 1928. For his discovery, Sir CV Raman was awarded the Nobel Prize in Physics in 1930. In honour of this discovery a nd as a mark of tribute to the scientist, National Science Day was marked for the first time on February 28, 1987. Raman effect is the inelastic scattering of a photon by molecules which are excited to higher vibrational or rotational energy levels. It is also called Raman scattering. The Raman effect forms the basis for Raman spectroscopy which is used by chemists and physicists to gain information about materials. This year the theme for the National Science Day is: Science for people and people for science. On this day Kalyan regional Community Science Centre Organize a Science safar at our centre by 3 schools students.



Kalyan Regional Community Science Centre, Bhavnagar

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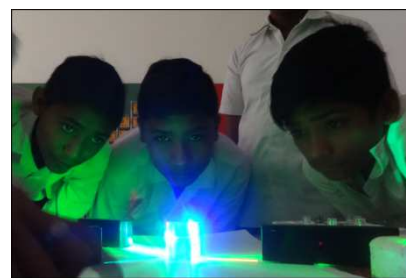


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M.S.B. 59 school, Shastrinagar, Sant Kavarram primary school and Dhanesh Mehta High school. Our expert explain about C.V. Raman and also do experiment about Raman effect. Then they visit our centre and difference model on principle of basic science. we also show a short documentary about Dr. C.V. Raman. There were more than 150 beneficiary.



Bhavnagar District Level Urja Utsav-2018 :



Bal Urja Rakshak Dal-2019 programme sponsored by Climate Change Department (GOG), Gujarat Energy Development Agency (GEDA), Gandhinagar. The Motive behind this programme is that Students get practical knowledge how to save environment from the pollution of non renewable energy. Since last 2 month team of KRCSC held on various programme like Energy Quiz, lecture on energy resources, chart & model exhibition under Awareness Generation Programmes on renewable Energy at 60 schools of Bhavnagar District. During this

programme 5 best students were selected in quiz competition. this 5 selected students represent their school in district level Urja Utsav.

On 03rd march, 2019 KRCSC organized District level Urja Utsav-2019 at Shri M.J. College of Commerce, Vidhyanagar, Bhavnagar. KRCSC plan various activities for all School Students. In inauguration ceremony of this Programme Dr. Girish Vaghani (V.C.,MKBU), Mr. Hiren Bhatt (Principal, DIET Bhavan, Sidsar), Dr. Ashok Patel (Drawing Artist), Dr. Hitesh Shah (Asso. Prof., Sir P.P. Science College, Bhavnagar), Mr. Paresh bhai Trivedi (President, Kalyan Foundation Trust), Dr. Bhavesh Bharad (Chairman, KRCSC) were present to motivate the Students. Invitee Guests fl ag off the rally after inauguration function. In this Programme there were 5 Competition held for students Like Slogan and Drawing Competition, Model & Chart Exhibition, Quick Elocution Competition, Energy Quiz Competition and Fancy Dress Competition. 1st, 2nd & 3rd Winner got Rs. 500/-, 350/- and 200/- cash prize respectively and every participant got certificate in these competition. In all Competition Shri Ganesh Shala, Timana Ta: Talaja achieve Best School of the Programme. There were more than 309 students and teacher participated in this programme.





Self defense Programme On International Women Day:

International Women's Day (March 8) is a global day celebrating the social, economic, cultural and political achievements of women. The day also marks a call to action for accelerating gender parity. International Women's Day is all about unity, celebration, reflection, advocacy and action - whatever that looks like globally at a local level. But one thing is for sure, International Women's Day has been occurring for well over a century - and continue is to grow from strength to strength.



On this day Kalyan Regional Community Science Centre, Bhavnagar organised self defence Programme for N.C. Gandhi Kumari Vidhyamandir, Bhavnagar and also for Shri Swami Vivekanand College . In this programme our Karate expert Mr. Vinod Malani Teach to the school and college girls some basic movements to save herself from other. They also teach them to counts in Japanese language. More than 500 students and teacher were being participated In this Programme.

Celebration on World Wildlife Day:

Every year 3rd March is celebrated as World Wildlife Day .This is celebrates all the species of animals and plants in our eco system and their significance. They day admires their contribution to the bio diversity of the planet and acknowledges the fact that the extinction of wildlife will lead to the collapse of eco system. To create a wareness among community through students about value, significance & Contribution of the forests to balance the life cycle on earth. With this motto Kalyan Regional Community Science Centre, Bhavnagar organize Visit to Victoria Park, Kaliyabid Bhavnagar for primary and upper primary school students. During this visit students saw different types of animals and birds , wetland areas of the park. In this programme our expert explained about different species of snakes. He also explained about various bird found in the park and identification of birds. There were 57 students and teachers visited this park.

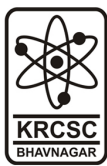


One day workshop on Pi day Celebration:



Pi Day is celebrated on March 14th (3/14) around the world. Pi (Greek letter " π ") is the symbol used in mathematics to represent a constant the ratio of the circumference of a circle to its diameter which is approximately 3.14159. Students learn importance of Pi and get more knowledge about uses of Pi with this purpose Kalyan Regional Community Science Centre, Bhavnagar organise one day workshop on Pi day. In this workshop our expert explain about basic information and how to find its value by using circle theory Pi (π) is the ratio of the circumference of a

circle to its diameter. It doesn't matter how big or small the circle is - the ratio stays the same. Than all



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students also find a value by drawing and counting Circle. there were 155 students participated in this workshop.

Celebration on World Sparrow Day-2019:

World Sparrow Day is celebrated on the March 20th of every year. The objective of World Sparrow Day is to educate the public about the threat of polluted urban environments and non-caring humans to the house sparrow population, as well as to other common bird species. The day was created with an aim to encourages the appreciation of common biodiversity, which offers a change from the typical attention surrounding rare and exotic species Kalyan Regional Community Science Centre, Bhavnagar organized to distribute a nest and a water pot for sparrow. There were more then1000 people and schools participated in this programme.



B Bharad

(Dr. Bhavesh Bharad)

Chairman,

Kalyan Regional Community Science Centre,

Bhavnagar.

