



जिला विज्ञान केंद्र, धरमपुर

District Science Centre, Dharampur

मई 2024 में जिला विज्ञान केंद्र, धरमपुर में आयोजित कार्यक्रमों और गतिविधियों की मासिक वर्णनात्मक रिपोर्ट।

Monthly Descriptive Report of Programmes and Activities organized at District Science Centre, Dharampur in May 2024.

1. World Thalassemia Day.

World Thalassemia Day was observed at Innovation Hub, District Science Centre, Dharampur on May 08th, 2024. In which total 56 students from skill development centre, Dharampur participated. Junior mentor Gayatri Bisht explained students about genetic counseling and disease management. The initiative emphasized early diagnosis, prevention, and community awareness, making it a valuable educational experience.

2. Robotics workshop

From 8th to 10th April, 2024 3 Days Robotics workshop during Summer Vacation was conducted at Innovation Hub, DSC, Dharampur. In this three-day robotics workshop, participants delved into the fundamentals of robotics using LEGO kits. The hands-on experience allowed students to explore the basics of building and programming robots, providing a solid introduction to robotics technology. Additionally, the integration of sensors into the LEGO robots was a key focus, enabling students to understand and implement sensor-based functionalities. Total 11 students participated in the workshop developed 3 projects.

3. National Technology Day

On National Technology Day, May 11th, 2024 Innovation Hub, District Science Centre, Dharampur, hosted a ChatGPT session for students. The event featured interactive discussions on AI technology, its applications, and future potential by junior mentor Rahul Shah. Junior mentor Gayatri Bisht demonstrated Gamma AI a tool used to make presentation. The session highlighted AI's role in making presentation, fostering a deeper understanding of. In total 12 students participated in the session. Open House Quiz on "Technology in Daily Life" was also organized. 40 students & General Visitors participated in the quiz competition.

4. Electronics workshop

From 13th to 15th April, 2024, a three-day workshop on basic electronics during Summer Vacation Creative Science Workshop was organized for the students by Innovation Hub, DSCD. Offering students a comprehensive introduction to circuit

building and sensor applications. Participants engaged in constructing fundamental electronic circuits, which laid the groundwork for more advanced projects. The workshop included hands-on activities where students created touch sensors and developed application-based IR sensor circuits using IR sensor modules. 11 students participated in the workshop and developed 3 projects.

5. Art and Craft workshop

From April 16th – 18th, 2024 Resin art workshop was conducted at Innovation Hub, DSC, Dharampur. The 3 days workshop included making of ocean theme clock, keychain, flower coaster, Bookmarks, Flower preservation in silica gel, mixing colors, usage of silicon molds, understanding of different tools, etc. In total 09 students participated in the workshop and developed 3 projects. The workshop fostered creativity and provided a platform for artists to explore this unique and versatile medium.

6. International Museum Day

International Museum Day was celebrated on theme “Museums for Education and Research” on May 18, 2024 at District Science Centre, Dharampur. Nitrogen Show- Fun at Low Temperature was also organized for students and general visitors. Around 60 students and general visitors have attended the show. Wax Candle Crafting activity was also held in which 09 students learned to make wax decorative candles. Centre announced free entry for the 659 visitors. Guided tour was also done for the teachers & general visitors. Special Sky observation program was organized at the Centre. Celestial objects like Moon, Bee hive cluster M44 & Constellation were seen during the program by 11 visitors.

7. 3-D Printing Workshop

From 20th to 22nd April, 2024, a three-day 3D printing workshop was organized at Innovation Hub, DSCD, introducing students to the fundamentals of additive manufacturing and the Fused Deposition Modeling (FDM) printing process. Participants learned to design 3D models using "Onshape", a popular CAD software, and applied their skills by creating personalized keychains featuring their initials. This hands-on experience not only provided a practical understanding of 3D printing technology but also fostered creativity and design skills among the students. Total 5 students participated in the workshop.

8. Integrated Science

Innovation Hub, DSC, Dharampur organized Integrated Science activities from May 22th – 24th, 2024 and programme. Total 06 students participated in the workshop and developed 9 projects. In chemistry students learned about basics knowledge of pH through hands on activity, solid phase double displacement reaction, immiscible to miscible liquids and compressed air concept. In biology they practiced dissection of flower, differentiation of dicot and monocot and

microscopic view of stomata cell. In physics student made Newton's cradle and Benham disc on their own, they also learned about mass, oscillation and momentum by activities.

9. Special Sky Observation Program

Special Sky Observation Program was held on May 12, 2024 at Parkland Society, Vapi. Moon, M44, Sirius were seen through Celestron CPC 800 telescope. In all total 100 visitors participated in the programme.

10. Career Guidance Seminar

District Science Centre, Dharampur organized Career Guidance Seminar in association with Ganpat University for the students of Class 10 and Class 12 on May 12, 2024. On this occasion, Shri Arvindbhai Patel, MLA Dharampur was present. Dr. Sanjeev Acharya, Principal, Ganpat University – Faculty of Pharmacy, Mr. Ketan Gupta, Sr. Manager – Center for Excellence gave a seminar on the subject. In which he gave detailed information about marine studies, pure science, management studies and various courses, in addition, he gave information about 3D-printing and unicorn startups as well as marketing strategies. Students and parents of Dharampur and surrounding villages took advantage of this seminar. Personal counseling was also organized with the students and parents under this seminar.

11. Orientation workshop for teachers.

Two batch of Orientation workshop for teachers were organized during May 18-28, 2024 at the Centre in collaboration with Dr. K. R. Shroff Foundation, Ahmedabad, Lokmangalam Charitable Trust, Khoba. In all 55 teachers participated in the workshop. Guided tour and demonstration lecture and session on astronomy was organized during the Programme.

12. VCAC Aero Modeling

A workshop on Aeromodelling was conducted for the students from May 25-27, 2024. During the workshop, participants developed different models of gliders of different size and material and successfully tested. In all 9 students participated in the workshop and developed 4 projects.

13. VCAC Model Rocketry

Model Rocketry workshop was organized during May 28-30, 2024 at Innovation Hub, District Science Centre, Dharampur. During the workshop, students prepared model of water rocket and paper rocket. They have tested and launched the rockets successfully. In all 9 students participated and developed 3 models in this workshop.
