

Gujarat Council of Science City
Dept of Science & Technology, Govt of Gujarat

38th State Level Science Math Exhibition 2010
22nd to 25th November 2010

The 38th State Level Science and Math Exhibition is going to be held at Gujarat Science City from 22nd to 25th November 2010. About 1000 child scientists across the state along with 500 guide teachers from primary, secondary, higher secondary and PTC classes have been selected to showcase their scientific projects on the theme; *Science & Technology for Challenges in Life* at Science City.

The State Level Science Math Exhibition will be inaugurated by Shri Narendra Modi, Hon'ble Chief Minister of Gujarat on 22nd November 2010 at 4.00 pm in presence of Shri Ramanbhai Vora, Hon'ble Education Minister and other dignitaries.

Science is a powerful way of investigating and understanding the world. Therefore, the teaching of science must enable children to examine and analyze their everyday experiences. Every resource must be explored to enable children to express themselves and to handle objects. Concerns and issues pertaining to the environment should be given importance on all possible occasions through a wide range of activities involving outdoor project works. Some of the information and understanding, flowing from such activities and projects could contribute to the elaboration of a publicly accessible database, which would in turn become a valuable educational resource.

Speaking on the occasion, Shri Ravi S. Saxena, Additional Chief Secretary, Department of Science & technology, Govt of Gujarat remarked that all children are naturally motivated to learn and are capable of learning. They are natural learners and knowledge is the outcome of their own activity. The four days programme and interaction will help the young minds to actively engage with the world around them, exploring, responding, inventing, working things out, and interpreting.

The organization of science exhibitions would also provide opportunities to all participating students, teachers and visitors to get acquainted with different kind of equipments, devices and techniques. This exercise would enable the students and teachers to generate scientific ideas for addressing various problems of the society. In order to facilitate the preparation of exhibits and models for display at State Level Exhibition, six sub-themes have been identified. These are: (i) Biodiversity: Conservation and Sustenance, (ii) Agriculture and Technology, (iii) Green Energy, (iv) Transport and Communication, (v) Community Health and Environment; and (vi) Mathematical Modeling, informed Shri R. P. Gupta, Secretary, Primary Education of Government of Gujarat.

In order to visit the exhibition and other scientific programmes, everyday about 50,000 students will visit Science City. Science City has organized the programme in an elaborative manner. About 600 exhibition stalls have been set up to display the student's exhibits theme-wise. In addition to science exhibition visit, the students

from different schools and colleges are encouraged to go through the various theme pavilions and activities in Science City.

Officials of Gujarat Council of Educational Research (GCERT) and District Institute of Educational Training (DIET) are coordinating the registration and accommodation and students visit arrangements during the programme.

The main objectives of the exhibitions are:

- ❖ to provide a forum for children to pursue their natural curiosity and inventiveness to quench their thirst for creativity;
- ❖ to make children feel that science is all around us and we can gain knowledge as well as solve many problems also by relating the learning process to the physical and social environment;
- ❖ to lay emphasis on the development of science and technology as a major instrument for achieving goals of self-reliance and socioeconomic and socio-ecological development;
- ❖ to highlight the role of science and technology for producing good quality and environmental friendly materials for the use of society;
- ❖ to encourage children to visualize future of the nation and help them become sensitive and responsible citizens ;
- ❖ to analyze how science and technology have developed and is affected by many diverse individuals, cultures and societies ;
- ❖ to develop critical thinking about global issues to maintain healthy and sustainable societies in today's environment;
- ❖ to apply mathematics to visualize and solve problems pertaining to everyday life etc.
- ❖ to appreciate the role of science and technology in meeting the challenges of life such as climate change, opening new avenues in the area of agriculture, fertilizer, food processing, biotechnology, green energy, information and communication technology, astronomy, transport, games and sports etc.;