

TRIPS CURRICULUM AND PEDAGOGY

ACADEMIC Creating an Open-Door Atmosphere

At TRIPS, We believe in creating an open-door atmosphere for taking education beyond the confines of the classroom to a global learning environment. An integral part of our learning process involves asking questions, solving problems, making thoughtful decisions and face-to-face interaction between students and instructors.

Conducting multitude of exclusive subject based workshops - In English, their literary aptitude is improved by way of seminars, spell bee competitions (a fun and educational way to engage in spellings), live radio relay, extempore speeches, public speaking, literary exhibitions, language games, debates and manuscript magazines. Various activities like the inter class and inter school Math Quiz competitions, Mathematics related exhibitions, workshops and recreative programmes are conducted to make Mathematics an interesting subject for all. For comprehensive Knowledge in Natural Science, all kinds of practical training programmes are undertaken like herbal gardens, green cultivation, science seminars, workshops, medicinal plant exhibition, talk on environmental awareness and project competitions.

Social Science is made interesting through collection of historical documents, field trips, quizzes, debates and projects. Environmental protection topics are also discussed and various community awareness programmes, seminars, film shows and exhibitions are arranged. In addition to this, activities based on experimental learning, robotics, aptitude tests, powerpoint presentations, quizzes, fun contests also form an important element of the curriculum. Children are encouraged to conduct quizzes on their own by drafting questions, planning the quiz rounds, point systems and be the quizmasters. Debates on varied topics are planned to develop ability to speak persuasively and defend arguments under pressure.

Classrooms are enhanced with e-learning equipments and activity rooms with wide access to experts and resourceful collection of scientific working models, web-resources, interactive lessons and activity plans. More extensive academic support is enhanced through Internet and SMARTboards for interactive learning. Our library is filled up with an extensive collection of informative encyclopedias, language development books, storybooks, nonfiction texts and chapter books by reading level along with educational puzzles and child-friendly furniture.

SCIENCE Exploring Endless Possibilities

Science fairs at TRIPS are a natural extension of the regular science curriculum. Held yearly, our sci-fi Tripsians are made to accomplish an extensive background research behind the scientific models developed by them through prolonged consultations with specialized science trainers, reference books, journals and online documents. The entire campus turns into a Science treasury with children spread all over the classrooms, lobbies and the campus ground, displaying their innovative projects.

Covering the global scientific issues, our Science Fairs require mandatory participation by all the kids. Students exhibit different working models, powerpoint presentations and pictorial charts, sensitizing the visitors about Global Warming issues, Food and Nutrition, the need and methods of Water Recycling, Rainwater Harvesting, Domestic Sewerage, Waste Treatment and Sanitation etc. Electricity based projects, like power grids, battery life, electromagnets, open and short circuits, hydro-power projects, energy-saving projects, models based on environmental science, geology, ocean sciences, weather and atmosphere, plant biology, human biology, aerodynamics and robotics are developed by children.

Students are actively encouraged to form teams and discuss their work among themselves throughout the process. Children display their creative skills to convert a classroom into an entire dark 3-Dimensional Universe, which on entering one could see the astonishing realm of the universe and the planets, stars and other astronomical objects glowing.

Additionally, the exhibition is a wonderful way to familiarize parents with the demonstrative talent of the children. With each advancing year, our projects advance in complexity posing a bigger challenge, demanding more understanding of the principles, stirring their inquisitiveness and thinking abilities, bringing forth outstanding results and promising young future scientists.

A thematic Science fair is conducted by way of which these young enthusiastic learners develop impressive power generation models using different energy sources namely, the Solar Energy Power Plant, Bio-gas Plant, Thermal Power Plant, Pressurized Water Nuclear Power Plant, Working model of Wave Dragon, Micro Hydel Power Plant, Solar Power Production, Ocean thermal Power Plant, Horizontal Axis Windmill, Vertical Axis Windmill, Bio Fuel Production etc.

Each primary class adopts a topic for themselves like Food & Nutrition, Clothes, Animal and Plant kingdoms, Human Body Systems and the class members convey different theories related with their theme through working models.

The areas of learning at different levels are as under-SL. CLASS SUBJECTS

1) I - II

English, Hindi, Telugu, Mathematics, EVS, General Knowledge, Activity, Physical & Health Education, Computer Studies, Performing Arts, Dance & Music

2) III-V

English, Hindi, Telugu, Mathematics, Computer Studies, EVS, General Knowledge, Art & Craft, Physical & Health Education, Performing Arts -Dance, Music

3) VI-VIII

English, Hindi, Telugu, Sanskrit, Mathematics, Science, Social Science, Computer Studies, Artificial Intelligence, General Knowledge, Art & Craft, Physical & Health Education, Performing Arts -Dance, Music

4) IX-X

English, Hindi, Telugu, Sanskrit, Mathematics, Science, Social Science, Sanskrit, Computer Studies, Artificial Intelligence, General Knowledge, Art & Craft, Physical & Health Education, Performing Arts -Dance, Music

5) XI-XII

English, Hindi, Telugu, Sanskrit, Mathematics, Physics, Chemistry, Physical & Health Education

English, Hindi, Telugu, Sanskrit, Biology, Physics, Chemistry, Physical & Health Education

English, Hindi, Telugu, Sanskrit, Mathematics, Economics, Commerce, Physical & Health Education

English, Hindi, Telugu, Sanskrit, Civics, Economics, Commerce, Physical & Health Education