



ST. IGNATIUS COLLEGE OF EDUCATION
(AUTONOMOUS)

Accredited with 'A' grade by NAAC(Second Cycle)
Palayamkottai – 627 002

MATHEMATICS LABORATORY

Objectives and Policies

- Mathematics Laboratory contains Concrete materials such as beads, pebbles, sticks ball frames, seeds, balances, weight measuring tapes, scissors, pins, abacus, cardboard, board pins, chart paper, graph paper, etc. which are very helpful for demonstrating mathematical concepts.
- Students' Growth of understanding is dependent upon concept exploration through challenging apparatus and concrete materials and cannot be restricted to mere symbolic manipulations.
- Develop powers of observation, analysis and drawing inferences.
- Enable students to personally experience the joy of discovering principles and relationships.
- Provide activities that arouse the curiosity of the students & maintain their interest in learning.
- Students should keep the laboratory clean.
- Students should maintain discipline while using the laboratory
- Students should be prudent while handling equipment's & materials.
- Students should be alert and undertake all activities with caution.
- Students should be respectful and show good manners towards all their access in the laboratory
- Students should not be allowed to have food inside the laboratory.
- The Math lab is a working lab. So on-going, active tutoring and discussion of Math topics, Procedures and problems are expected.
- It is a place to enjoy the subject through exploration
- It is only for the use of activities to understand the subject matter

- Concretized the abstract Mathematical Concepts.
- Permit students to learn abstract concepts through concrete experiences and increase their understanding.
- You can demonstrate, explain and reinforce abstract mathematical ideas by using concrete objects, models, charts, graphs, pictures, posters etc.
- Making students to see the origin of mathematical ideas and participating in “mathematics in the making”
- Allowing students to actually engage in the doing rather than being a passive observer or recipient of knowledge in the learning process.
- Make students appreciate the practical applicability of Mathematical Principles and laws.
- Discussion of other topics should be kept quiet and brief to encourage a healthy learning environment
- The lab is the place to exhibit the relatedness of mathematical concepts with everyday life

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PRINCIPAL i/c
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