

Name of the Project: Specific Concept Oriented Programme (SCOPE)

Brief Objectives:

- ▶ Enhance Higher Secondary Students' understanding of concepts through experimentation
- ▶ Promoting learning through experimentation & promoting scientific inquiry.
- ▶ Ensure the participation of every student in all the conceptual learning
- ▶ Expand students' knowledge domain through projects, assignments and field visits.

Modalities of Implementation:

- To enhance the learning capacity of students in 320 schools (10 schools per District) to enhance the learning capacity of students through experimental learning in Maths, Physics, Chemistry, Botony, Zoology, Commerce & Economics.
- Collecting various additional information related to the concept chosen from other resources such as general science books, encyclopedia Scientific journals, published essays for firsthand experience , to enhance children's access to information and ideas.
- Relating the concept with day to day activities.
- Field / industrial visits for Interactions with subject veterans, College/ University faculty, industrial expert's better conceptual clarity.
- Sharing the findings with the class for debate and for further conceptual clarity.
- Organizing the ideas shared and simplifying ways to understand the concept among other students.

Expected Outcome :

- Rote learning will be reduced and Learning by doing will be encouraged.

- Inquiry skills will be supported and strengthened by language, design and quantitative skills.
- Greater emphasis will be placed on co-curricular and extra-curricular activities aimed at stimulating investigative ability, inventiveness and creativity.
- There will be a massive expansion of such activities along the lines of the Science Exhibitions, being held successfully at present.
- This project may gradually spread to every institution unleashing a wave of creativity and scientific temper among young students and their teachers.

Financial Outlay: Secondary

S.No	Activity	Physical	Financial	Achievement
1	SCOPE	32	1	32 lakhs

Beneficiaries: Higher Secondary Students understanding of concepts through experimentation & scientific inquiry.