Science

Classes VI &VII

Rationale:- Learning of the fundamental concepts of Science occupies an important place at the Elementary School level. Therefore, it is expected that teaching of science should be through activity-based methods and child centered approach as spelled out in the National Curriculum Frame work 2005. This Syllabus is prepared that learning of Science should be related with daily life activities and teaching through activity based method.

Science Syllabus has been framed with the help of the themes. These themes have been designed right from Class VI to Class X. The themes are: Food, Materials, The World of the living, How things work, Moving things, People and ideas, Natural phenomenon and Natural resources. In Primary classes, the Science content appears as part of EVS, and the themes are largely based on the children's immediate surroundings and need, eg: Food, Water, Shelter, Family and Friends etc. In order to maintain some continuity between Classes V and VI, theses should naturally continue into the seven themes listed above.

The format of the syllabus has been evolved to address the under specification mentioned above. Instead of merely listing 'topics', the syllabus is presented in four columns: Questions, Key Concepts, Resources and Activities/ Processes.

In order to improve the standard of Science Education at the Upper Primary stage in the State the syllabus is developed with the following objectives:-

1. To provide the learners the basic concepts, facts, principles of Science.
2. To imbibe the learners the Spirit of inquiry
3. To help the learners to think independently and to discover by themselves
4. To develop children the power of observation and scientific Temper
5. to Develop an interest in Science and Technology
6. To concretize the scientific knowledge by performing simple Experiments by the learning
7. To value the natural resources
8. To create awareness and consciousness on protection and conservation of Environment.

Objectives:

1. To understand and use new ideas and scientific information to improve the students lives.
2. To develop problem solving skills needed to respond to a changing society and environment.
3. To develop a positive attitude towards science that will encourage students to take interest in learning science at the higher classes.
4. To recognise how the advancement of Science and Technology has changed the lives of people in Local, National and Global communities.
5. To develop a knowledge and understanding of scientific principles and concepts.
6. To learn to think critically, creativity and rationally so that students can solve problems and promote life long learning.
7. To develop effective and positive work habits related to Science.