

Competency Statements Std X

The students are expected to achieve the following competency level after studying the text book Science and Technology II

The Living World.

- * To analyze the scientific information about heredity and state opinions about new hybrid species.
- * To understand evolution theories or living and state there characteristics.
- * To explain reproductive systems of plants and animals.
- * To state importance of cell science by collection of information of cell on utility and various medical facilities.
- * To understand production processes of various biotic factors by experiments and prove them scientifically.
- * To collect and analyze useful data by observing diversity of animals through different tools.
- * To describe animals in the surroundings on scientific basis and classify them.
- * To develop awareness of hobbies like watching the things and their conservation.
- * To present documentary on animals.
- * To collect useful and scientific information on human reproductive system and explain effects on society.
- * To eradicate superstitions and rigid customs prevailing in society.

Natural resources and disaster management

- * To explain role of environmental guard by conservation of environment, various laws and rules.
- * To adapt scientific life style in the role of environmental guard.
- * Get attention of society towards negligence towards conservation of environment.
- * To plan and implement programs about conservation of environmental.
- * To play self-role in disaster management considering international understanding, help and togetherness

Diet and Nutrition

- * To set up the experiments, projects in our environmental in small scale considering advantages and disadvantages of Biotechnology.
- * To aware farmers and components of society by various graphs of Biotechnology.
- * To take feedback of comparative study of progress of Biotechnology in India and the other countries.
- * To find out various problems regarding conservation of ecosystems.
- * To collect data on conservation of ecosystem and to take a distinct role to awake the society.
- * To change one's lifestyle by taking into account the various aspects and effects which endanger social health.
- * To spread the roles of government and non-government organizations to nurture social health.

Energy

- * By considering the serious consequences of the energy crisis, adopt proper lifestyle and motivating others to decide their lifestyle accordingly.
- * Explain the steps involved in the process of generation of electrical energy.
- * To analyze the correlation of electricity generation processes and environment.
- * Knows the importance of green energy and saves energy in daily life.

Information communication Technology.

- * Use of Information communication Technology in daily life.
- * Exchange of knowledge about science and Technology with the help of internet.
- * Awareness about the proper use of information communication technology.
- * Based on the information gathering, with various types of information related to science and Technology. To predict it. Ability of prediction on the basis of science and technology data collected form internet.
- * To understand dangers (cybercrimes) while using information communication technology and take precautions against them.
- * Effective use of various systems developed through information communication technology in daily life.

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