

BIOLOGICAL SCIENCES AND ECOLOGY COMPONENT OF ENVIRONMENTAL EDUCATION CURRICULUM

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The curriculum of Environmental Education has to focus on and reflect its many facet and interdisciplinary nature. It should have major components on following :

1. Ecology
2. Environmental Science
3. Resource Management

The above three broad subjects themselves are of multidisciplinary character and have components from Life Science, Physical Science, Earth Science, Social Science, Arts, Humanities and Mathematics. It is in this context that for development of a curriculum for EE the specialists from all these disciplines have to join hands. Herein we have prepared a curriculum considering the components of Biological Sciences and Ecology which may be considered for inclusion in the Environmental Education curriculum.

CURRICULUM

1. Environment : Components and their interdependence, an understanding of Environment of the region. Need for holistic approach. Concept of Ecosystems; Energy Flow and Material Cycling, Major Ecosystems of the World.
2. Man's Impact on the Environment : Major Environmental problems : Land Degradation, Deforestation, Climate Change, Hydrological Changes, Acid Rain and Water, Air and Soil Pollution.
3. Resources : Types of Resources; Non-Conventional Energy Sources, Principles of Resource Conservation.
4. Environmental Management : Principles, Conservation of Biodiversity, Monitoring and Evaluation

of Pollution, Sustainable use of Resources, Waste Management, Eco-Planning and Eco-Development.

5. Environmental Policies : Policies at State, National and International Levels, Acts related to Water Pollution, Air Pollution, Wild Life Conservation, Forest Conservation and Environmental Protection.

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CURRICULUM

1. Environment : Components and their interdependence, an understanding of environment of the region, need for holistic approach, concept of eco-system, energy flow and material cycling, major ecosystems of the world.
2. Impact on the Environment : Major Environmental Problems : Land Degradation, Deforestation, Climate Change, Hydrological Changes, Acid Rain and water, air and soil pollution.
3. Types of Resources, Non-Convertible Resources : Principles of Resource Conservation.
4. Environmental Management : Principles, Conservation of Biodiversity, Monitoring and Evaluation.