

CLASS 12 : ENVIRONMENT EDUCATION AND WATER SECURITY

Learning Outcomes

Chapter	Learning process suggested; The teacher is expected to provide opportunities to students facilitating learning in groups/individually {With the help of examples, audio-visuals, images, diagrams, models, flow-charts etc.}	Learning outcomes:- The students shall be able to ;
Chapter 1 Human and environment	<ul style="list-style-type: none"> ➤ Develop an understanding of the concepts - Population explosion, Rural and Urban settlement, Tribal communities and their traditions. ➤ To realize the environment and health issues. 	<ul style="list-style-type: none"> ➤ Explore the concepts - Population explosion, Rural and Urban settlement, Tribal communities and their traditions. To understand the correlation of the practices of people and its impact on environment. ➤ Comprehend the correlation between environment and related health issues.
Chapter 2 Environmental Pollution	<ul style="list-style-type: none"> ➤ Understand the types of pollution as air, water, noise and solid wastes and its impacts etc. ➤ Understand the concept of events of climate change and its impact. 	<ul style="list-style-type: none"> ➤ Generate an understanding of the pollution issues of air, water, noise, and solid wastes. ➤ Understand issue of climate change and its impact.
Chapter 3 Sustainable Development	<ul style="list-style-type: none"> ➤ Elucidate the meaning of sustainable development. ➤ Develop a realization of the need for sustainable development. ➤ Outline the goals of sustainable development. ➤ Comprehend the meaning and importance of sustainable consumption and sustainable agriculture. 	<ul style="list-style-type: none"> ➤ Expose to the concept of sustainable development and generates an understanding about the meaning and need. ➤ Understand the challenges for sustainable development. ➤ Able to grasp importance of sustainable agriculture.
Chapter 4 Practices for Environmental Protection	<ul style="list-style-type: none"> ➤ Comprehend the meaning of 'consumer education' ➤ Acquaint with the concept of Reduce-Reuse-Recycle-Recover (4R), Environmental Impact Assessment, Environmental Audit, Energy Audit, Eco-labelling, Ecotourism and elaborate the importance. ➤ Discuss the International conventions and agreements with their role in environment protection in India. 	<ul style="list-style-type: none"> ➤ Acquaint with the meaning of the consumer education, Environmental Impact Assessment, Environmental Audit, Energy Audit, Eco-labelling, Ecotourism and understand the importance as virtuous practices for the environmental protection. ➤ Familiarize with the objectives of different world conventions, agreements and their role in adopting practices for sustainable development.
Chapter 5 Water Security	<ul style="list-style-type: none"> ➤ Make aware of the prevailing drought like condition across our country and in the state of Maharashtra. ➤ Portray the situation of acute water crisis and witness over-exploitation of groundwater. ➤ Make aware regarding the immediate water conservation, rainwater harvesting, renovation of water bodies, reduce & reuse of water, watershed development, afforestation, drinking water and sanitation. ➤ Generate the attitude to contribute for the community programmes for water conservation. ➤ Ultimately make 'Water Security' as an immediate concern and convert this to a mass movement to ensure water security across our country, making it an added duty of citizen! 	<ul style="list-style-type: none"> ➤ The student realizes the meaning and the facts of drought conditions across our country and the State of Maharashtra ➤ Students realize water crisis situation and the meaning and impacts of overexploitation of ground water. ➤ Become conscious regarding the meaning of water conservation, rainwater harvesting, renovation of water bodies, reduce & reuse of water, watershed development, and intensive afforestation, drinking water and sanitation. ➤ Students realize the need of their role to actively participate and contribute in their area for water conservation. ➤ Students collectively sense the water security and take up their responsibility for water conservation.

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Front cover : Water security and all environment protection measures are shown.

Back cover : Sustainable agriculture, use of non-renewable energy resources, eco-friendly articles and water conservation are shown.