

The Constitution of India

Chapter IV A

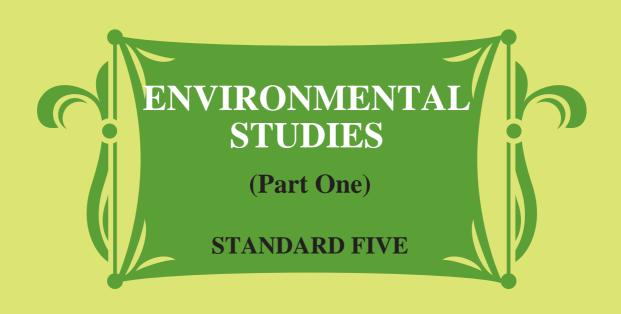
Fundamental Duties

ARTICLE 51A

Fundamental Duties- It shall be the duty of every citizen of India-

- (a) to abide by the Constitution and respect its ideals and institutions, the National Flag and the National Anthem;
- (b) to cherish and follow the noble ideals which inspired our national struggle for freedom;
- (c) to uphold and protect the sovereignty, unity and integrity of India;
- (d) to defend the country and render national service when called upon to do so;
- (e) to promote harmony and the spirit of common brotherhood amongst all the people of India transcending religious, linguistic and regional or sectional diversities, to renounce practices derogatory to the dignity of women;
- (f) to value and preserve the rich heritage of our composite culture;
- (g) to protect and improve the natural environment including forests, lakes, rivers and wild life and to have compassion for living creatures;
- (h) to develop the scientific temper, humanism and the spirit of inquiry and reform:
- (i) to safeguard public property and to abjure violence;
- (j) to strive towards excellence in all spheres of individual and collective activity so that the nation constantly rises to higher levels of endeavour and achievement:
- (k) who is a parent or guardian to provide opportunities for education to his child or, as the case may be, ward between the age of six and fourteen years.

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Preamble

WE, THE PEOPLE OF INDIA, having solemnly resolved to constitute India into a SOVEREIGN SOCIALIST SECULAR DEMOCRATIC REPUBLIC and to secure to all its citizens:

JUSTICE, social, economic and political;

LIBERTY of thought, expression, belief, faith and worship;

EQUALITY of status and of opportunity; and to promote among them all

FRATERNITY assuring the dignity of the individual and the unity and integrity of the Nation;

IN OUR CONSTITUENT ASSEMBLY this twenty-sixth day of November, 1949, do HEREBY ADOPT, ENACT AND GIVE TO OURSELVES THIS CONSTITUTION.

NATIONAL ANTHEM

Jana-gana-mana-adhināyaka jaya hē Bhārata-bhāgya-vidhātā,

Panjāba-Sindhu-Gujarāta-Marāthā Drāvida-Utkala-Banga

Vindhya-Himāchala-Yamunā-Gangā uchchala-jaladhi-taranga

Tava subha nāmē jāgē, tava subha āsisa māgē, gāhē tava jaya-gāthā,

Jana-gana-mangala-dāyaka jaya hē Bhārata-bhāgya-vidhātā,

Jaya hē, Jaya hē, Jaya hē, Jaya jaya jaya, jaya hē.

PLEDGE

India is my country. All Indians are my brothers and sisters.

I love my country, and I am proud of its rich and varied heritage. I shall always strive to be worthy of it.

I shall give my parents, teachers and all elders respect, and treat everyone with courtesy.

To my country and my people, I pledge my devotion. In their well-being and prosperity alone lies my happiness.

Preface

The 'Primary Education Curriculum 2012' was prepared in the State of Maharashtra following the 'Right of Children to Free and Compulsory Education Act, 2009', the 'National Curriculum Framework 2005' and the 'Maharashtra State Curriculum Framework 2010'. The Textbook Bureau has launched a new series of textbooks based on this syllabus approved by the State Government from the academic year 2013-2014. We are happy to place this textbook 'Environmental Studies (Part One)' Standard Five in this series in your hands.

Our approach while designing this textbook was that the entire teaching-learning process should be child-centred, emphasis should be given on active learning and constructivism and at the end of Primary Education the students should have attained the desired competencies and that the process of education should become enjoyable and interesting.

There are many colourful illustrations and maps in this textbook. Some activities have been included in this textbook under the titles 'Can you tell?', 'Try this.', 'Use your brain power!'. They will help the students to understand the concepts introduced in the lossons and will also reinforce them. The textbook will motivate the children to observe their environment. Conscious efforts have been made to impart values which are relevant today in the context of this textbook.

Variety in the exercises will help the children to revise and retain the concepts in the lessons and will motivate them to study on their own. They will also help the teacher with continuous, comprehensive evaluation.

This textbook introduces the children to their natural, social and cultural environment. It attempts to develop the students' skills of problem solving and application and a healthy attitude towards the environment.

The language of presentation used in this book is simple. The topics have been presented in an inter-disciplinary manner without forming compartments of science, geography and civics. It may lead to an approach that looks at several dimensions of an issue or topic simultaneously. We have tried to keep in mind the diverse experiences of all the children in Maharashtra while writing the book.

This book was scrutinized by teachers from all parts of the State, by educationists, experts and members of the syllabus committee to make it as flawless and useful as possible. Their comments and suggestions have been duly considered by the Subject Committees while finalising the book.

The members of Science, Geography and Civics Subject Committees, Panel members, quality reviewers and artists have taken great pains to prepare this book. The Bureau is thankful to all of them.

We hope that this book will receive a warm welcome from students, teachers and parents.

(C. R. Borkar) Director

Pune Date : March 5, 2015

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how food gets spoilt, how seeds germinate and the

direction in which roots, shoot grow and conduct simple experiments and activities to find out the same.

Geography Panel: • Shri. Bhaidas Somvanshi • Shri. Vikas Jhade • Shri. Tikaram Sangrame

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Environmental Studies-Part 1-Standard V-Learning Outcomes Suggested Pedagogical Processes Learning Outcomes The learner may be provided opportunities in pairs/ The learnergroups/individually and encouraged to: 05.95A.01 explains the super senses and unusual • observe and explore the animals for the unique and features (sight, smell, hear, sleep, sound, unusual sense of sight, smell, hear, sleep and their etc.) of animals and their responses to response to light, heat, sound etc. • explore the sources of water in their nearby surrounding light, sound, food etc. and how fruits, vegetables, grains, water reach their home and kind of processes/techniques employed to 05.95A.02 explains the use of technology and convert grain to flour and flour to roti, purification of the process of accessing basic needs water etc. (food, water etc.) in our daily life. • share experiences and discuss about the information collected or places visited with peers, teachers and Explains the role and functions of different institutions in daily life. • prepare guide routes to reach from one place to another. (Bank, Panchayat, Cooperatives, Police collect information from pictures/elders/books/ Station, etc.) newspapers/magazines/web resources/museums etc., about animals which have very sharp sense of hearing, smell and vision, different landforms such as plain 05.95A.03 describes interdependence the area, hilly area, deserts, etc., and the varieties of flora among animals, plants and humans and fauna, lives of people in such places. (for example, communities earning discuss with elders and use pictures, visit museums and livelihood from animals, dispersal of collect information related to the lives for food, shelter, availability of water, means of livelihood, practices, seeds etc.) customs, techniques of different regions and different time periods. 05.95A.04 establishes linkages among terrain, • visit petrol pumps, nature centres, science parks, climate resources (food, water, shelter, water treatment plant, bank, health centre, wildlife livelihood) and cultural life. (for sanctuaries, cooperative, monument, museum and if possible, far off places with different landforms, example, life in distant/difficult areas lifestyles and livelihoods, etc. to observe and interact like hot/cold deserts) with people living there and share experiences in different ways. 05.95A.05 makes the activity groups to understand • observe and share experiences for different phenomena features and properties of objects and such as how water evaporates, condenses, and dissolves different substances under different conditions, and materials such as shape, taste, colour,

texture, sound, traits etc.

- conduct activities and simple experiments to check the properties/ features of different objects/ seeds/ water/ waste materials, etc.
- observe, explore surroundings and critically think how seeds reach from one place to another, how the plants and trees grow at places where no one plants them, for example forests, who waters them and who possesses them.
- visit the night shelters, people living in camps, old age homes, homes for orphanage/orphans' asylum in surroundings and interact with old and/handicap and who change their means of earning to find out where do people belong to and why they left their places, where their ancestors had been living for ages, migration of people and debate on various such issues in the surroundings.
- enquire from parents, teachers, peers and elders at home/ community to critically think and discuss to reflect on experiences of children related to situations at home, school, neighbourhood.
- discuss freely with peers, teachers and elders about the biases, prejudices, and stereotypes by providing counter examples to one another.
- visit departments/ institutes in the surroundings for example, Bank, Water Board, and Hospital and Disaster management centre and interact with related people and interpret different documents related to them.
- watch videos on different types of landforms and the variety of life forms found in such places, different institutions which cater to the need of societies, behaviour of animals, water scarcity, etc., followed by meaningful discussions and debates on occupations that derive from the peculiar geographical characteristics of different regions.
- perform simple activities, record the observations in the form of table/ sketch/ bar graph/ pie chart/ oral/ written form, etc., interpret and present their findings.
- discuss issues of living beings (plants and animals) as rightful inhabitants of earth, animal rights and ethical treatment to animals.
- share experiences of people who work selflessly for common good/welfare and motivates them.
- participate actively and undertake initiatives of care, share empathy, leadership by working together in groups e.g., in different indoor/outdoor/local/contemporary activities, games, dance, fine art, carry out projects/role play for taking care of a plant(s), feed birds/animals, things/elderly/handicap around them.
- conduct mock drills for emergency and disaster preparedness.
- understanding the processes of rotation and revolution.
- identifying landforms from maps and drawing them. For example, contours, tint method, and understanding the differences between signs and symbols.
- understanding the physical set-up of India.
- collecting information regarding various languages, costumes, festivals and celebrations in India.
- understanding the change in the means of transport and communication with time.

- 05.95A.06 records observations, experience, information with planning. (for example, chart/plotting/histogram/ pie chart) and predicts the patterns in activities and incidences. Establishes the relation between reasoning and effects. (for example, floating / sinking / mixing / evaporation / germination / spoilage / breathing / taste.)
- 05.95A.07 identifies signs, directions, location of different objects/landmarks of a locality/place visited in maps and predicts directions in context of positions of different places for a location.
- 05.95A.08 creates posters, designs, models, set ups, local dishes, sketches, maps (of neighbourhood/different places visited) using a variety of local/waste material and writes poems/slogans/travelogue etc.
- 05.95A.09 gives opinions on observed/ experienced issues and relates practices/happenings to larger issues of society. (for example, discrimination for access/ownership of resources, migration/displacement/ exclusion, child rights).
- 05.95A.10 suggests ways for hygiene, health, managing waste, disaster/emergency situations and protecting/saving resources (land, fuels, forests etc.) and shows sensitivity for the disadvantaged/deprived.
- 05.95A.11 reads maps with the signs and symbols in a map.
- 05.95A.12 explains/describes the physical set up of India with the help of map.
- 05.95A.13 keeping in mind the political boundries of India explains the geographical, social and cultural characteristics.
- 05.95A.14 explains the effects on living organisms and the environment because of the excessive use of means of transport and communication.

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The following foot notes are applicable:-

- 1. © Government of India, Copyright 2015.
- 2. The responsibility for the correctness of internal details rests with the publisher.
- 3. The territorial waters of India extend into sea to a distance of twelve nautical miles measured from the appropriate base line.
- 4. The administrative headquarters of Chandigarh, Haryana and Punjab are at Chandigarh.
- 5. The interstate boundaries amongst Arunachal Pradesh, Assam and Meghalaya shown on this map are as interpreted from the "North-Eastern Areas (Reorganisation) Act.1971," but have yet to be verified.
- 6. The external boundaries and coastlines of India agree wih the Record/Master Copy certified by Survey of India.
- 7. The state boundaries between Uttarakhand and Uttar Pradesh, Bihar and Jharkhand and Chhattisgarh and Madhya Pradesh have not been verified by the Governments concerned.
- 8. The spellings of names in this map, have been taken from various sources.