## SOCIAL SCIENCE

# The Earth: Our Habitat

TEXTBOOK IN GEOGRAPHY FOR CLASS VI





राष्ट्रीय शैक्षिक अनुसंधान और प्रशिक्षण परिषद् NATIONAL COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING

#### 0656 - The Earth: Our Habitat

Textbook for Class VI

ISBN 81-7450-491-5

#### First Edition

February 2006 Phalguna 1927

#### Reprint

December 2006, November 2007, January 2009, December 2009, November 2010, February 2012, November 2012, November 2013, December 2015, December 2016, December 2017, February 2019, August 2019, January 2021, August 2021 and November 2021

#### Revised Edition

November 2022 Agrahayana 1944

#### PD 650T BS

© National Council of Educational Research and Training, 2006, 2022

₹ 65.00

Printed on 80 GSM paper with NCERT watermark

Published at the Publication Division by the Secretary, National Council of Educational Research and Training, Sri Aurobindo Marg, New Delhi 110 016 and printed at General Offset Printing Press (P.) Ltd., 42, Industrial Colony, Naini, Allahabad - 211 010 (U.P.)

#### **ALL RIGHTS RESERVED**

- No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording or otherwise without the prior permission of the publisher.
- This book is sold subject to the condition that it shall not, by way of trade, be lent, re-sold, hired out or otherwise disposed of without the publisher's consent, in any form of binding or cover other than that in which it is published.
- The correct price of this publication is the price printed on this page, Any revised price indicated by a rubber stamp or by a sticker or by any other means is incorrect and should be unacceptable.

### OFFICES OF THE PUBLICATION DIVISION, NCERT

NCERT Campus Sri Aurobindo Marg New Delhi 110 016

Phone: 011-26562708

108, 100 Feet Road Hosdakere Halli Extension Banashankari III Stage Bengaluru 560 085

Phone: 080-26725740

Navjivan Trust Building P.O.Navjivan Ahmedabad 380 014

dabad 380 014 Phone : 079-27541446

CWC Campus Opp. Dhankal Bus Stop Panihati

Phone: 033-25530454

Kolkata 700 114

CWC Complex
Maligaon
Guwahati 781 021

Phone: 0361-2674869

#### **Publication Team**

Head, Publication

: Anup Kumar Rajput

Division

Chief Production

: Arun Chitkara

Officer

: Vipin Dewan

Chief Business

\_

Manager

: Bijnan Sutar

Chief Editor (In charge)

Production Assistant: Om Prakash

Cover Sarita Verma Mathur

Illustrations and Cartography Sarita Verma Mathur, Meha Gupta, Ishwar Singh, Praveen Mishra and Narendra Tyagi

#### **F**OREWORD

The National Curriculum Framework (NCF), 2005, recommends that children's life at school must be linked to their life outside the school. This principle marks a departure from the legacy of bookish learning which continues to shape our system and causes a gap between the school, home and community. The syllabi and textbooks developed on the basis of NCF signify an attempt to implement this basic idea. They also attempt to discourage rote learning and the maintenance of sharp boundaries between different subject areas. We hope these measures will take us significantly further in the direction of a child-centred system of education outlined in the National Policy on Education (1986).

The success of this efforts depends on the steps that school principals and teachers will take to encourage children to reflect on their own learning and to pursue imaginative activities and questions. We must recognise that, given space, time and freedom, children generate new knowledge by engaging with the information passed on to them by adults. Treating the prescribed textbook as the sole basis of examination is one of the key reasons why other resources and sites of learning are ignored. Inculcating creativity and initiative is possible if we perceive and treat children as participants in learning, not as receivers of a fixed body of knowledge.

These aims imply considerable change in school routines and mode of functioning. Flexibility in the daily time-table is as necessary as rigour in implementing the annual calendar so that the required number of teaching days are actually devoted to teaching. The methods used for teaching and evaluation will also determine how effective this textbook proves for making children's life at school a happy experience, rather than a source of stress or boredom. Syllabus designers have tried to address the problem of curricular burden by restructuring and reorienting knowledge at different stages with greater consideration for child psychology and the time available for teaching. The textbook attempts to enhance this endeavour by giving higher priority and space to opportunities for contemplation and wondering, discussion in small groups, and activities requiring hands-on experience.

The National Council of Educational Research and Training (NCERT) appreciates the hard work done by the textbook development committee responsible for this book. We wish to thank the Chairperson of the advisory group in Social Sciences, Professor Hari Vasudevan and the Chief Advisor for this book, Vibha Parthasarathi for guiding the work of this committee. Several teachers contributed to the development of this textbook; we are grateful to their principals for making this possible. We are indebted to the institutions and organisations which have generously permitted us to draw upon their resources, material and personnel. We are especially grateful to the members of the National Monitoring Committee, appointed by the Department of Secondary and Higher Education, Ministry of Human Resource Development under the Chairpersonship of Professor Mrinal Miri and Professor G.P. Deshpande, for their valuable time and contribution. As an organisation committed to systemic reform and continuous improvement in the quality of its products, NCERT welcomes comments and suggestions which will enable us to undertake further revision and refinement.

New Delhi
20 December 2005

Director National Council of Educational Research and Training

#### RATIONALISATION OF CONTENT IN THE TEXTBOOKS

In view of the COVID-19 pandemic, it is imperative to reduce content load on students. The National Education Policy 2020, also emphasises reducing the content load and providing opportunities for experiential learning with creative mindset. In this background, the NCERT has undertaken the exercise to rationalise the textbooks across all classes. Learning Outcomes already developed by the NCERT across classes have been taken into consideration in this exercise.

Contents of the textbooks have been rationalised in view of the following:

- Overlapping with similar content included in other subject areas in the same class
- Similar content included in the lower or higher class in the same subject
- Difficulty level
- Content, which is easily accessible to students without much interventions from teachers and can be learned by children through self-learning or peer-learning
- Content, which is irrelevant in the present context

This present edition, is a reformatted version after carrying out the changes given above.



#### TEXTBOOK DEVELOPMENT COMMITTEE

CHAIRPERSON, ADVISORY COMMITTEE FOR TEXTBOOKS IN SOCIAL SCIENCES AT THE UPPER PRIMARY LEVEL

Hari Vasudevan, Professor, Department of History, University of Calcutta, Kolkata

CHIEF ADVISOR

Vibha Parthasarathi, Principal (Retd.), Sardar Patel Vidyalaya, New Delhi

**M**EMBERS

Anjali Swami, TGT, N.C. Jindal Public School, New Delhi

Anshu, Reader, Kirorimal College, University of Delhi, Delhi

Durga Singh, PGT, Kendriya Vidyalaya No.2, Ahmedabad

Shahla Mujib, PGT, Govt. Boys Sr. Sec. School, Hari Nagar Ashram, New Delhi

MEMBER-COORDINATOR

Aparna Pandey, Lecturer, Department of Education in Social Sciences NCERT, New Delhi

#### ACKNOWLEDGEMENTS

The National Council of Educational Research and Training acknowledges the valuable contributions of the following participants in finalising this book: Sudeshna Bhattacharya, *Reader*, Miranda House, University of Delhi, Delhi; Poonam Behari, *Reader*, Miranda House, University of Delhi, Delhi; Vyasraj T. Ambekar, *Incharge Headmaster*, SVM High School, Tilakwadi, Belgaum; Seema Agnihotri, *Lecturer*, Management Education and Research Institute, I.P. University, New Delhi; Daulat Patel, *Teacher (Retd.)*, Sardar Patel Vidyalaya, New Delhi; Samita Dasgupta, *PGT (Geography)*, Anandalaya, Anand, Gujarat.

The Council is thankful to the Survey of India for certification of maps given in the textbook. It also gratefully acknowledges the support of individuals and organisations as listed below for providing various photographs, and other materials such as articles and paintings used in this textbook —

Science Popularisation Association of Communications and Educators (SPACE), New Delhi (Fig. 1.6); Photo Division, Ministry of Information and Broadcasting, Govt. of India (Agricultural Field – Cover page); ITDC/Ministry of Tourism, Govt. of India, (Fig. 5.5 and Plateau on Contents page); (Tiger– Cover page); (Himalayas – cover page and page 30); (Deer on Contents page); Prakash Higher Secondary School, Bodakdev, Ahmedabad (Poem and paintings related to the Tsunami on page 44 and 45); Social Science, Part-II, Class VI, NCERT, 2005 (Fig. 1.3).

Special thanks are due to Savita Sinha, *Professor* and *Head*, Department of Education in Social Sciences and Humanities, NCERT, New Delhi for her support.

Special thanks are due to Shveta Uppal, *Chief Editor*, NCERT and Vandana R. Singh, *Consultant Editor*, for going through the manuscript and suggesting relevant changes.

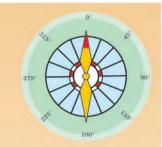
The Council also gratefully acknowledges the contributions of Ishwar Singh *DTP Operator;* Sameer Khatana and Amar Kumar Prusty, *Copy Editors;* Bharat Sanwaria and Dilip Kumar Agasti, *Proof Readers;* Dinesh Kumar, *Incharge,* Computer Station for giving a final shape to this book. The contribution of the Publication Department in bringing out this book is also duly acknowledged.

The Council acknowledges the contributions of the review committee members Kulprit Singh, *PGT Geography*, Navyug School, Chanakyapuri, Delhi, Pushpendra Singh, *PGT Geography*, Prudence School, Delhi; Aparna Pandey, *Professor*, DESS, NCERT; Tanu Malik, *Professor*, DESS, NCERT, New Delhi for the rationalisation of the content of this textbook.

#### The following are applicable to all the maps of India used in this book

- © Government of India, Copyright 2006
- 1. The responsibility for the correctness of internal details rests with the publisher.
- 2. The territorial waters of India extend into the sea to a distance of twelve nautical miles measured from the appropriate base line.
- 3. The administrative headquarters of Chandigarh, Haryana and Punjab are at Chandigarh.
- 4. 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.
- 5. The external boundaries and coastlines of India agree with the Record/Master Copy certified by Survey of India.
- 6. The state boundaries between Uttaranchal & Uttar Pradesh, Bihar & Jharkhand and Chhattisgarh & Madhya Pradesh have not been verified by the Governments concerned.
- 7. The spellings of names in this map, have been taken from various sources.

## CONTENTS



	Foreword	iii
	Rationalisation of Content in the Textbooks	V
1.	The Earth in the Solar System	1
2.	Globe: Latitudes and Longitudes	10
3.	Motions of the Earth	18
4.	Maps	23
5.	Major Domains of the Earth	30
6.	Our Country – India	39
	Appendix I	48
	Appendix II	49



# THE CONSTITUTION OF INDIA

#### **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 <sup>2</sup>[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.

Subs. by the Constitution (Forty-second Amendment) Act, 1976, Sec. 2, for "Sovereign Democratic Republic" (w.e.f. 3.1.1977)

<sup>2.</sup> Subs. by the Constitution (Forty-second Amendment) Act, 1976, Sec. 2, for "Unity of the Nation" (w.e.f. 3.1.1977)