

BASIC SCIENCE

Part - I

Standard



Government of Kerala
Department of Education
2009

THE NATIONAL ANTHEM

Jana Gana Mana Adhinayaka Jaya He

Bharatha Bhagya Vidhata

Punjab Sindhu Gujarata Maratha

Dravida Utkala Banga

Vindhya Himachala Yamuna Ganga

Uchala Jaladhi Taranga

Tava Subha Name Jage

Tava Subha Ashisa Mage,

Gahe Tava Jaya Gatha

Jana Gana Mangala Dayaka Jaya He

Bharatha Bhagya Vidhata

Jaya He Jaya He Jaya He

Jaya Jaya Jaya Jaya He.

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Dear children

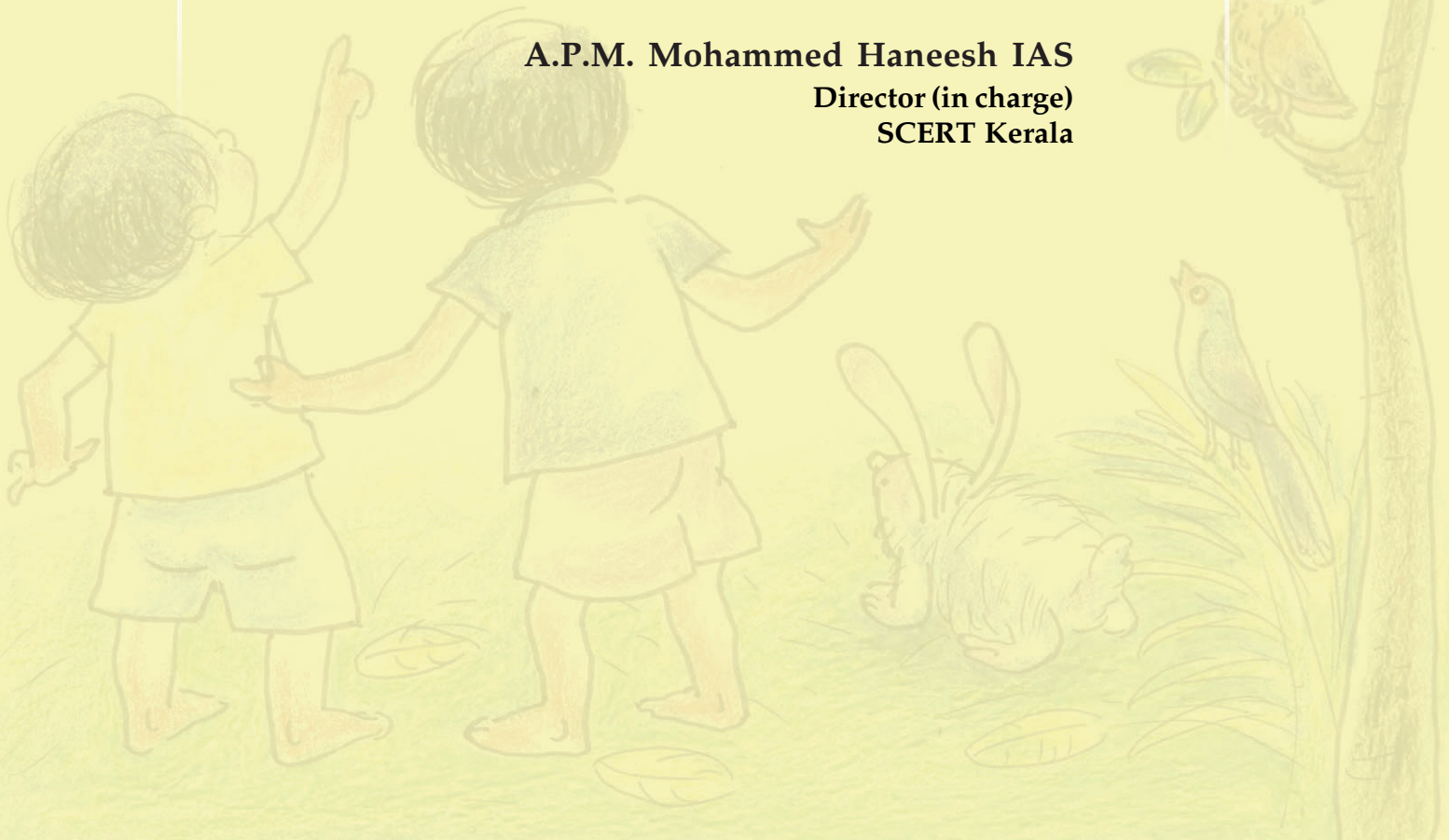
Look around you
How many wonderful sights!
But how much of human
interference affecting
the future of the earth,
the flora and fauna of it...

Observe all these.
Raise questions.
Reach your own conclusions
by guessing, experimenting and
discussing.
Put forward scientific suggestions.

Let this book be a companion for you
to convert science into activities.

With love and regards,

A.P.M. Mohammed Haneesh IAS
Director (in charge)
SCERT Kerala



Members participated in the Textbook workshop

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The Protective Cover of Earth 34

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When the Heart Beats 42

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Wonders of the Sky 49

Befriending the Textbook

What? Why? How?

Science is said to have originated from these questions of human kind.

You see such questions in this friend of yours too.

Numerous questions!

Hundreds of questions that bud in young minds!

How will we find answers to these questions?

No way, but to think on your own.

Share your guesses.

Go ahead with your observations and experiments.

Arrive at proper conclusions.

How interesting a journey it will be!

The journey of quest...

Your textbook will be your pal in this journey.

You will be accompanied by your teacher, friends and members of your family in this journey...

Through examples, diagrams, hints and abundant data in tables and columns...

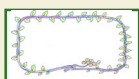
This book will be complete along with this journey...

Through your thoughts...

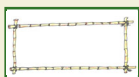
By recording your findings then and there.

You can make out the extent of your scientific insights from these findings.

For the sake of convenience certain icons are used in this book.



To record your assumptions



To note down your findings



To record in your science diary

Let's begin...

The enchanting journey seeking the pearls of knowledge...