



GOVERNMENT OF TAMIL NADU

**STANDARD SEVEN**

**TERM - I**

**VOLUME - 3**

**SCIENCE**  
**SOCIAL SCIENCE**

A publication under Free Textbook Programme of Government of Tamil Nadu

**Department of School Education**

**Untouchability is Inhuman and a Crime**

## Government of Tamil Nadu

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(Published under New Syllabus in  
Trimester Pattern)

**NOT FOR SALE**

### Content Creation



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and Training

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[www.textbooksonline.tn.nic.in](http://www.textbooksonline.tn.nic.in)

## PREFACE

The Science textbook for standard Seven has been prepared following the guidelines given in the National Curriculum Framework 2005. The book enables the reader to read the text, comprehend and perform the learning experiences with the help of teacher. The Students explore the concepts through activities and by the teacher demonstration. Thus the book is learner centric with simple activities that can be performed by the students under the supervision of teachers.

## HOW TO USE THE BOOK?

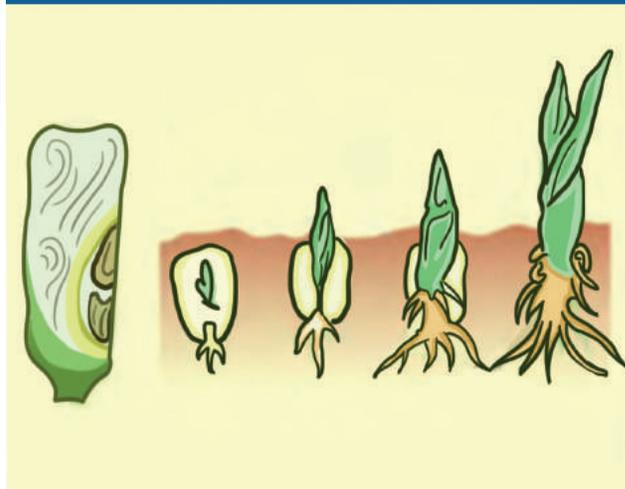
- ❖ The First term VII Science book has seven units.
- ❖ Two units planned for every month including computer science chapter has been introduced.
- ❖ Each unit comprises of simple activities and experiments that can be done by the teacher through demonstration if necessary student's can perform them.
- ❖ Colourful info-graphics and info-bits enhance the visual learning.
- ❖ Glossary has been introduced to learn scientific terms.
- ❖ The "Do you know?" box can be used to enrich the knowledge of general science around the world.
- ❖ ICT Corner and QR code has been introduced in each unit for the first time to enhance digital science skills.

### Lets use the QR code in the text books ! How ?

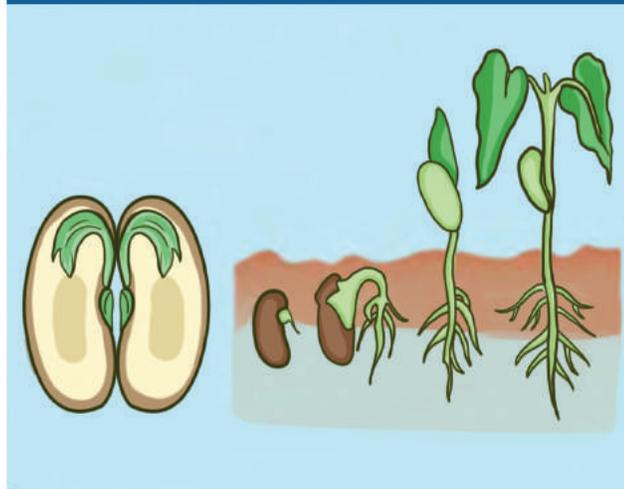
- ❖ Download the QR code scanner from the Google play store/ Apple App Store into your Smart phone.
- ❖ Open the QR code scanner application
- ❖ Once the scanner button in the application is clicked, camera opens and then bring it closer to the QR code in the text book.
- ❖ Once the camera detects the QR code, a URL appears in the screen.
- ❖ Click the URL and go to the content page.



## Seed Germination of Monocot Plant



## Seed Germination of Dicot Plant



### Table of Contents

Units	Title	Page No	Month
Unit 1	Measurement	1	June
Unit 2	Force and Motion	14	July
Unit 3	Matter Around Us	27	August
Unit 4	Atomic Structure	42	June
Unit 5	Reproduction and Modification in Plants	54	July
Unit 6	Health and Hygiene	74	August
Unit 7	Visual Communication	89	August



E - book



Assessment



DIGI links



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