

Online Test Generator can be accessed through the website.

FOCUS SCIENCE

Focus Science is a series of 8 books for Classes 1 through 8, developed in accordance with the NCERT syllabus and the NCF guidelines.

Titles	VP
Focus Science - 1	1873
Focus Science - 2	1874
Focus Science - 3	1875
Focus Science - 4	1876
Focus Science - 5	1877
Focus Science - 6	1878
Focus Science - 7	1879
Focus Science - 8	1880

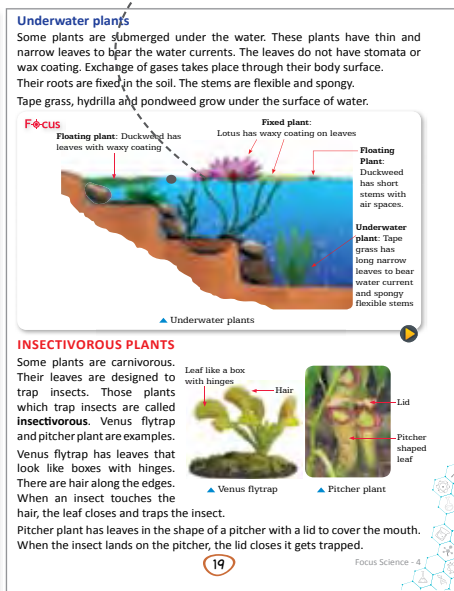


HIGHLIGHTS BOOKS 1 TO 5

Warm-up connects readily to concepts.

Well-labelled self-explanatory pictures.

Suggested activities



KEY FEATURES

- Interactive approach and easy to understand language.
- A variety of objective and subjective questions.
- Colourful illustrations, diagrams and photographs with added information.



HIGHLIGHTS BOOKS 6 TO 8

Logical and visually appealing presentation

Experimental demonstration to understand better

Focus

- Deer can run fast to escape from their predators.
- Their long sharp ears and good sense of smell help them detect the presence of predators at a distance.

Deer

- Camels' nostrils can close so that sand does not enter its nose.
- They store fat in the hump. It provides energy when food is unavailable. This enables camels to survive without food for many days.
- Camels conserve water by not sweating and by excreting small amount of urine. Also they can drink large quantity of water when available. Due to these features, camels can survive without water for many days.
- Soles of camels' feet are broad, so they can walk on the sand easily without sinking into it.
- Camels have thick lips, so they can eat the prickly desert plants without feeling pain.
- Their ears are covered with hair which keep out sand or dust.

Plants

- Plants in desert do not need a lot of water to survive.
- They have long roots to penetrate deep inside the soil in search of water.
- In some plants such as cacti, the stem is green and fleshy. Photosynthesis takes place in the stem. The stems store a large amount of water, when water is available. Due to this feature, they are also called succulent plants. The thick waxy covering on the stem helps to retain water.
- The flowers only open in nights as it is cool and are closed during the day, where it is hot.
- The leaves are reduced to spines to prevent loss of water due to transpiration.

Experiment 2

Aim: Compare the amount of water lost due to transpiration in a leafy plant and a thorny plant.

Procedure: Take healthy leafy potted plants such as mint or tulsi and a potted cactus plant. Enclose the branches of both the plants with transparent polythene bags and tie them with string. Keep both the pots in sunshine for a few hours. Observe the inner surface of the bags. (Which bag has more water droplets?)

Observation: The polythene bag around the mint branch has more water droplets as compared to the polythene bag around the cactus plant. As leaves are reduced to spines in cactus plant, the loss of water due to transpiration is less.

Mountain and Polar Regions

Mountains are cold and windy regions. Snowfall may occur in winter. Polar habitats are permanently covered with snow.

- Trees on mountains have conical shape, sloping branches and needle-like leaves. These features do not allow rainwater and snow to collect on them. Leaves being needle-shaped lose less water during transpiration. This feature enables them to cope up with shortage of water during extreme winter when the ground is covered with snow.

Fig. 12.8 Photosynthesis

Sugar generated by the leaves is transported to other parts of the plant through stems. Some sugar is used to release energy and the rest is stored as starch in leaves, stems or roots. The solar energy is trapped by chlorophyll in the green leaves during the process of photosynthesis. This energy is stored in the glucose molecule. When an organism requires energy, this glucose molecule is broken up by a process called respiration. We will learn about respiration in a later chapter. This is why we say that the sun is the ultimate source of energy for all living things on the earth.

Activity 1 (Experimental Demonstration)

Aim: To test a leaf for the presence of starch.

Materials: A beaker, test tubes, burner, test tube holder, iodine solution, alcohol, water and a leaf that has been exposed to light.

Procedure:

- Fill a beaker half with water and boil it.
- Place the leaf inside the boiling water for one or two minutes. This stops the chemical reactions in the leaf.
- Put the leaf into a test tube and pour enough alcohol to cover it. Place the test tube in the beaker of boiling water. (Test tube containing alcohol is not heated directly it may catch fire.) Remove the flame when the alcohol boils.
- Again introduce the flame when the alcohol stops boiling. Repeat this until the leaf is discoloured (denatured chlorophyll is removed). When the chlorophyll has been removed from the leaf (the leaf looks pale).
- Remove the leaf from alcohol (the leaf will be brittle).
- Dip the leaf into water to soften it and make it permeable.
- Add dilute iodine solution on the surface of the leaf.

Observation and Inference: Some parts of leaf become bluish-black. This bluish-black colour indicates the presence of starch in leaf.

Activity 2 (Experimental Demonstration)

Aim: To test that chlorophyll is necessary for photosynthesis.

Materials: Variegated leaf, white paper, iodine solution, beaker, test tube, burner, test tube holder, alcohol, water.

Procedure:

- Take any variegated leaf (a leaf of different colour) of onion or coleus. In variegated leaves, chlorophyll is only present in the green portion of the leaves.

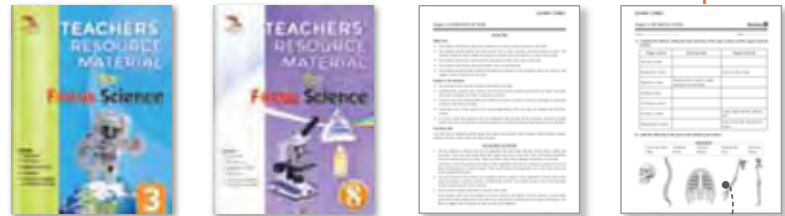
CATALOGUE

TEACHER'S HANDBOOK

Includes:

- Lesson plans
- Worksheets
- Test papers
- Solution to exercises

DIGITAL SUPPORT



Previous **Next page**

First **Last**

zoom **Print**

Bookmark

Worksheet

Text note **About**

Brush **Enable full screen**

Rectangular **Help**

Ellipse **Search**

Eraser **Next page**

Clear **Animation**

Exit **Slide show**

Redo

Undo

Clear

Key Features:

- E-book
- Animations
- Concept stories
- Slide shows

Mathematics

PRIMARY AND MIDDLE SCHOOL SECTION

EXCEL IN MATHEMATICS

Excel in Mathematics is a series of 8 books for Classes 1 through 8. The books comply with the latest NCERT syllabus.

Titles	VP
Excel in Mathematics - 1	1731
Excel in Mathematics - 2	1732
Excel in Mathematics - 3	1773
Excel in Mathematics - 4	1734
Excel in Mathematics - 5	1735
Excel in Mathematics - 6	1736
Excel in Mathematics - 7	1737
Excel in Mathematics - 8	1738



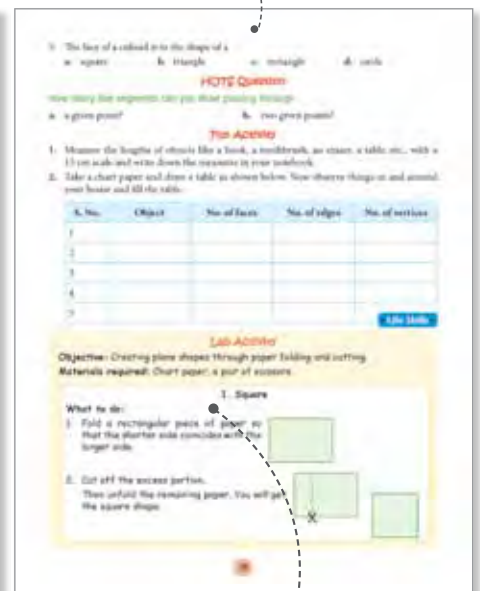
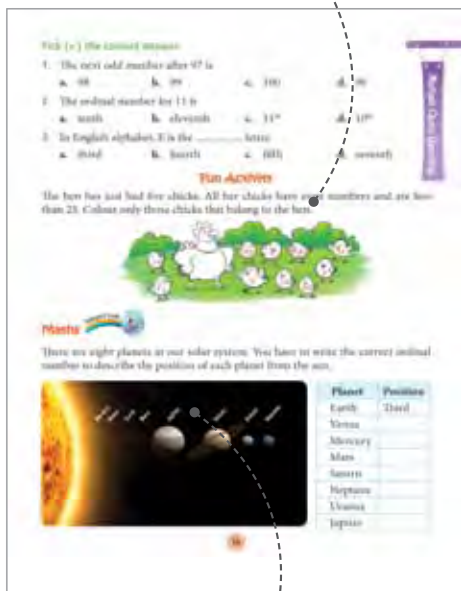
Online Test Generator can be accessed through the website.

HIGHLIGHTS BOOKS 1 TO 5

Improves understanding

Warm-up connects readily to concepts and inculcates values

HOTS – to enhance analytical and problem solving skills

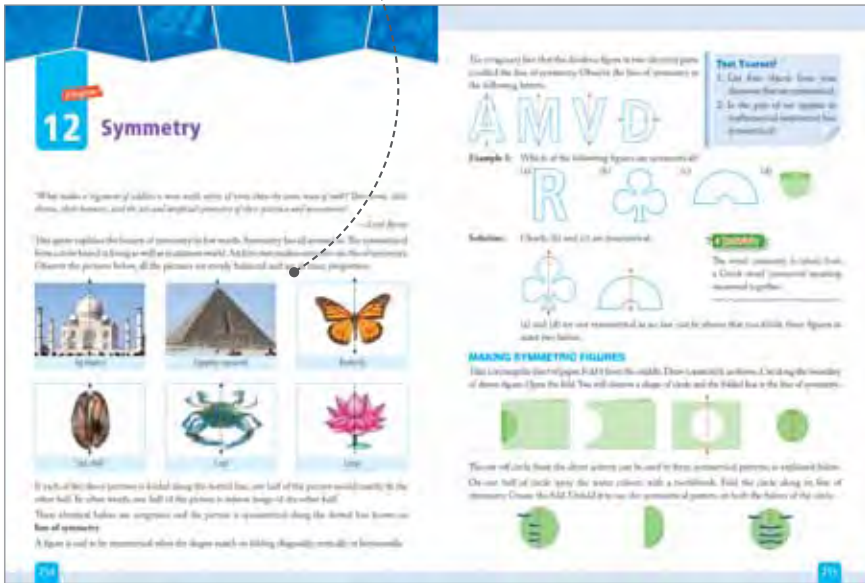


Subject-link to adhere to the interdisciplinary approach

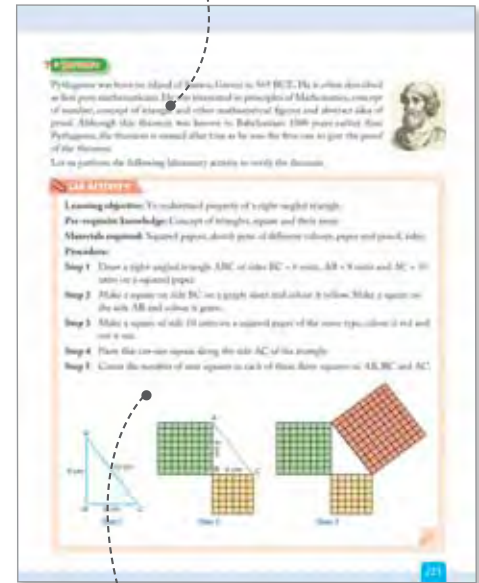
Lab Activity – Enhances the ability to explore and reason logically

HIGHLIGHTS BOOKS 6 TO 8

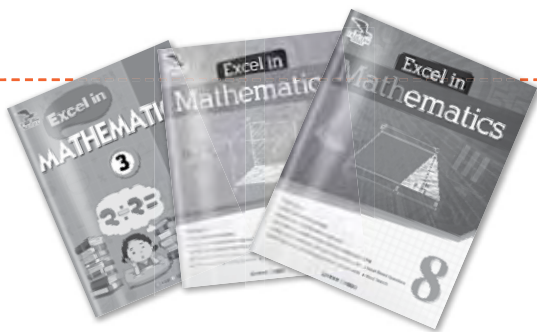
Logical and visually appealing presentation



Interesting activities to break the monotony



Practice paper



TEACHER'S MANUAL

A support to the teacher. Complete answers to the questions of chapter-end exercises provided.

KEY FEATURES

- MCQs** Improve reasoning and decision making ability of the student
- HOTS Questions** Improve student's understanding and analytical and problem solving skills
- Remember** Highlights important points and draws attention to possible mistakes in an effort to prevent similar errors
- Infobit** Gives interesting information related to facts around Mathematics
- Test Yourself** Checks whether the learner has understood the topic being introduced

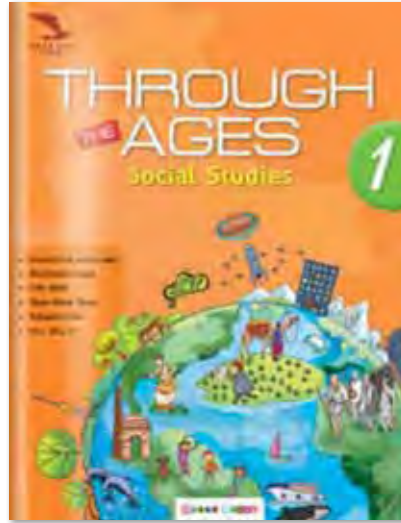


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THROUGH THE AGES

A Social Studies series for Classes 1 through 5 and Integrated Social Sciences series for Classes 6 through 8 developed in accordance with the NCERT syllabus and the NCF guidelines.

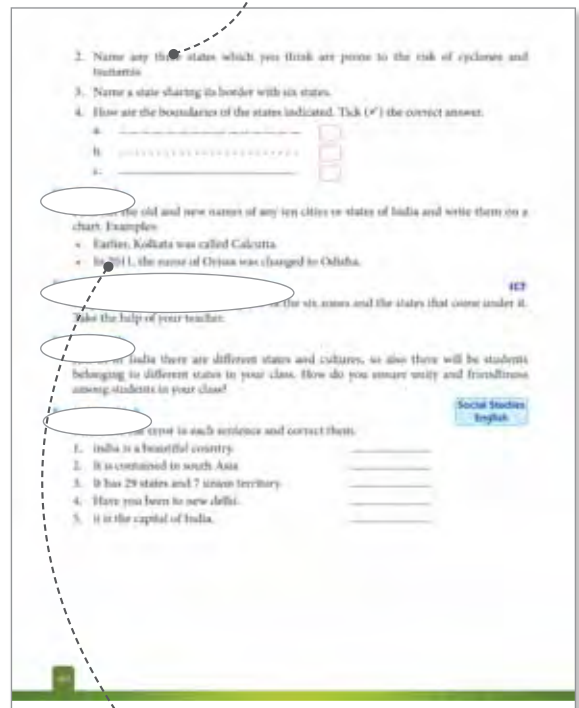
Titles	VP
Through the Ages - 1	1771
Through the Ages - 2	1772
Through the Ages - 3	1773
Through the Ages - 4	1774
Through the Ages - 5	1775
Through the Ages - 6	1776
Through the Ages - 7	1777
Through the Ages - 8	1778



HIGHLIGHTS BOOKS 1 TO 5

Interactive warm-up

Graded exercises



Picture maps

Practice paper

HIGHLIGHTS BOOKS 6 TO 8

Interactive warm-up

Easy-to-understand presentation



Well-labelled self-explanatory diagrams

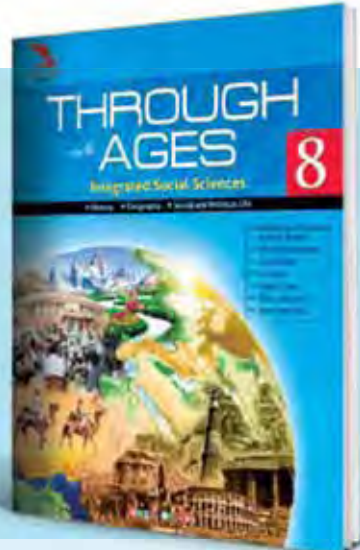


TEACHER'S MANUAL

A support to the teacher. Complete answers to the questions of chapter-end exercises provided.

KEY FEATURES

- Interactive approach
- A variety of objective and subjective questions
- CBSE recommended **Problem Solving Skills, Value Based Questions, Open Book Test, Information and Computing Technology Skills** and interdisciplinary approach
- Thoughtfully done colourful illustrations with added information and illustrated maps



ENGLISH LADDER

English Ladder is a series of eight English coursebooks which follows the latest guidelines from the National Curriculum Framework. Various literary features in the books have been organised under level-appropriate themes.

Titles	VP
English Ladder - 1	1953
English Ladder - 2	1954
English Ladder - 3	1955
English Ladder - 4	1956
English Ladder - 5	1957
English Ladder - 6	1958
English Ladder - 7	1969
English Ladder - 8	1960



HIGHLIGHTS BOOKS 1 TO 5

Aims to help students relate and understand the underlying theme



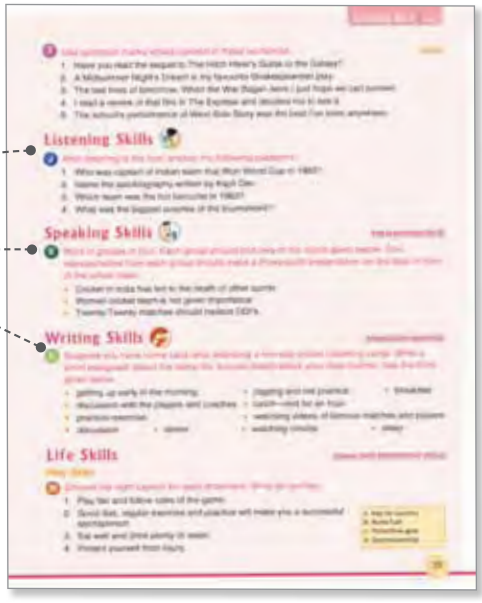
Graphic story through beautiful illustrations and interesting dialogues



Meanings of difficult words

Beautiful illustrations and attractive presentation

Various skills are honed through thoughtful exercises



Literary devices used in the poem

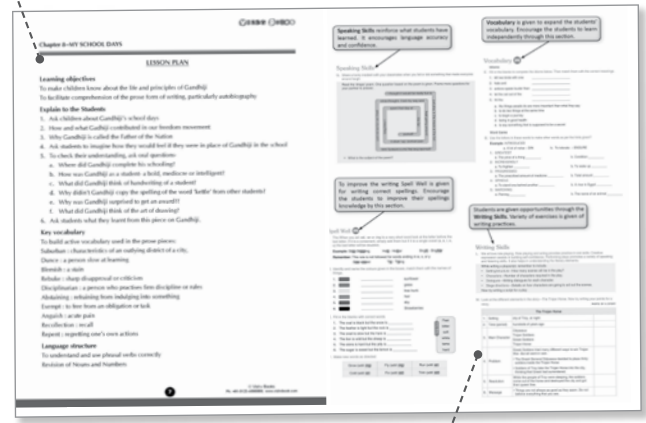
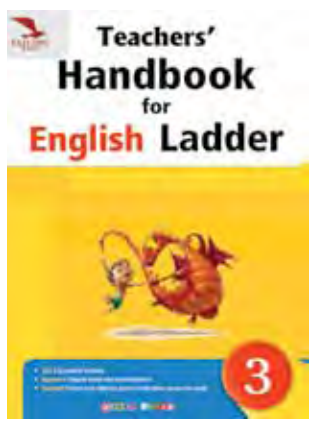


Lesson plan

TEACHERS' HANDBOOK

Includes:

- Lesson plans
- Worksheets
- Test papers
- Answers to worksheets and lesson exercises



Worksheet

ENGLISH SKILLS

English Skills, Grammar and Composition Practice Book, is a graded grammar practice series of eight books for Classes 1 through 8.

KEY FEATURES

- Grammar Review ■ Grammar Usage
- Vocabulary ■ Editing ■ Let's Write
- Tabulated words under suitable headings.
- Various exercises stimulate the creative and thinking skills of the students.

Titles	VP
English Skills - 1	1779
English Skills - 2	1780
English Skills - 3	1781
English Skills - 4	1782
English Skills - 5	1783
English Skills - 6	1790
English Skills - 7	1791
English Skills - 8	1792



SAMANAVI

समन्वी हिंदी पाठमाला (कक्षा - 1 से 8 तक) राष्ट्रीय शैक्षिक अनुसंधान एवं प्रशिक्षण परिषद् (NCERT) द्वारा अनुमोदित पाठ्यचर्या और केंद्रीय माध्यमिक शिक्षा बोर्ड (CBSE) पद्धति पर आधारित हैं।

Titles	VP
Samanvi Hindi Pathmala - 1	1789
Samanvi Hindi Pathmala - 2	1790
Samanvi Hindi Pathmala - 3	1791
Samanvi Hindi Pathmala - 4	1792
Samanvi Hindi Pathmala - 5	1793
Samanvi Hindi Pathmala - 6	1794
Samanvi Hindi Pathmala - 7	1795
Samanvi Hindi Pathmala - 8	1796

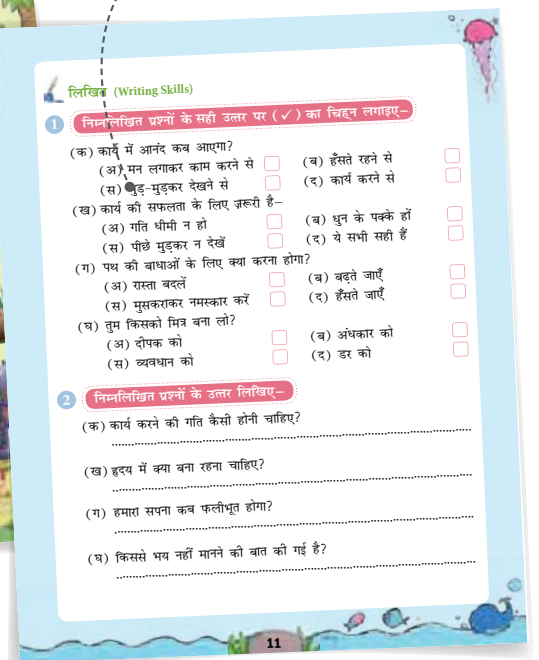
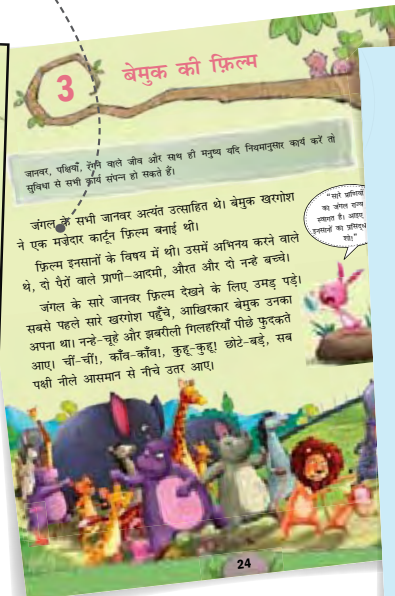
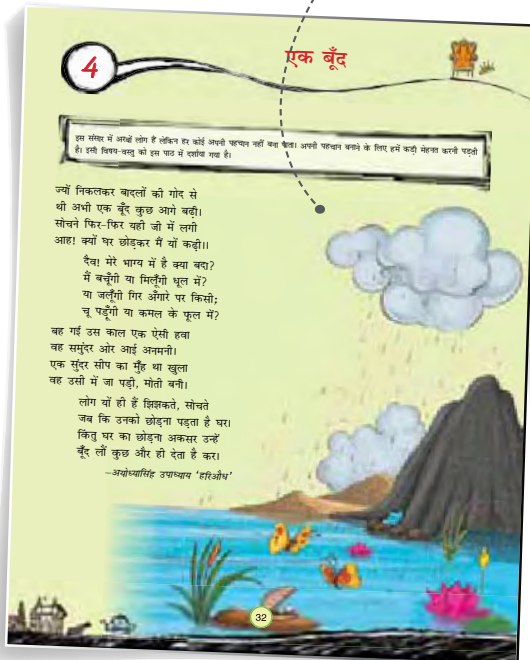


HIGHLIGHTS BOOKS 1 TO 8

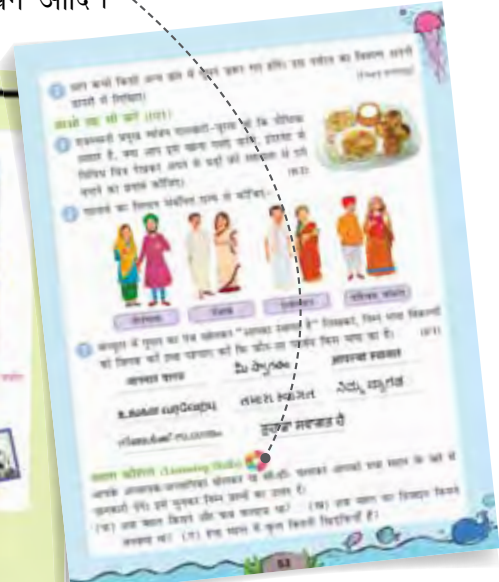
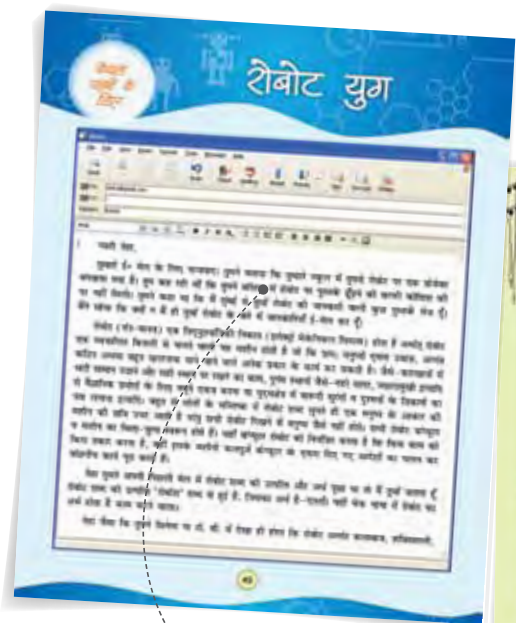
टेस्ट जेनेरेटर वेबसाइट के माध्यम से उपलब्ध किया जा सकता है।

प्राचीन, मध्यकालीन एवं आधुनिक संदर्भों का प्रभावशाली मिश्रण। उचित, अनुकूल तथा विविध लेखन शैली।

विषय-वस्तु का ज्ञान एवं शब्द ज्ञान/भाषाज्ञान राष्ट्रीय पाठ्यचर्या की रूपरेखा के अनुरूप।



रचनात्मक बोध के लिए
विविध क्रियाकलाप, चित्र पठन, विज्ञापन
बनाना, सृजनात्मक लेखन आदि।



केवल पठन के लिए
रुचि जगाना, महत्त्वपूर्ण विषय-वस्तु एवं
विचारों को प्रकाशित करना।

शिक्षण-दर्शिका उपलब्ध

Digital Support

FEATURES OF THE E-BOOK



Animation
(Classes 1 and 2)

eBook for Smart
Class and Home
Use

- Interactivities
- Contents
- Notes
- Zoom In
- Zoom Out
- Stop
- Reset
- Pause
- Play
- Next Page
- Previous Page
- Page Number
- Go to Page
- Full Screen
- Quit

Computer

PRIMARY AND MIDDLE SCHOOL SECTION

DIGITAL WORLD

Digital World is a series of computer books for Kindergarten and Classes 1 through 8. The books are based on the latest NCF guidelines. They are updated with Windows 8 and MS Office 2010.

Titles	VP
Computing - Kindergarten	1818
Digital World - 1	1763
Digital World - 2	1764
Digital World - 3	1765
Digital World - 4	1766
Digital World - 5	1767
Digital World - 6	1768
Digital World - 7	1769
Digital World - 8	1770



HIGHLIGHTS BOOKS 1 TO 5

Traces evolution of computer and technology in brief

Online Safety

COMPUTER MANNERS AND SAFETY

Many devices like mobile phones have all the functions of a computer. We must handle them exactly like we handle computers. You would also be having easy access to the laptops and mobiles of your family members. If you get permission to use them you must take care of the devices and follow the rules of using them.

- Your hands should be clean and dry when you use these devices. If your hands are wet, the moisture may get into the keyboard and spoil it.
- You should always ask permission from the owner of the mobile phone or the laptop before using them.

Mum, Can I also use your tablet?
 Alright! But use it carefully.

62

Computing

PAST

Computing is discovering something by classical methods like you do your mathematical calculations. The use of a computer to process data or perform calculations using the data is also computing.

The first historically recorded computer tool was the Babylonian abacus which was developed around 4500 years ago. It was first made with lines drawn on sand, while pebbles were used for counting on it.

Ancient treasures of knowledge
In other times, people used to write on stones, papyrus, clay tablets, walls and many other natural things. These historical encyclopedias are great sources of knowledge.

Around 2000 years ago, the South-pointing Chariot was invented in ancient China. This chariot was a 2-wheeled vehicle which had a pointer. This pointer always pointed South, no matter what. This navigational device was used for computing direction.

PRESENT

Our present world has given us one of the best gifts in technology, a computer. Thousands of books can be collected and maintained in a computer through internet. These are **digital encyclopedias**. The Microsoft Encarta was one such encyclopedia, published by the Microsoft Corporation from 1993 to 2009. It contained more than 62,000 articles, illustrations, photographs, maps, videos and many other things.

Through digital encyclopedias any information can be accessed easily.

FUTURE

Computers are very important for space exploration technology. How?

Can you calculate how much time do you take to travel from your school to home everyday? That's simple because the distance is short. Say, 5 km or 10 km maybe 20. Now add twelve zeros to 20. You get 20,000,000,000 km. Can you now tell the time required to travel this distance? This is an astronomical distance. An advanced computer will certainly give you results.

Can you imagine why could we achieve yesterday's (the help of advanced computing)?

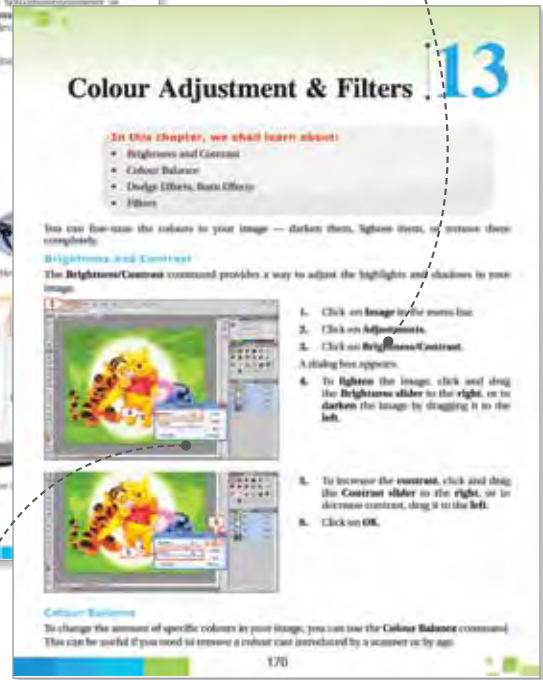
With the help of technology, we might be able to see the dinosaurs in the moon. And after the moon, maybe the next mission could be to Mars. How long will it take?

with strangers

63

Important milestones on devices and technology

Step-by-step commands



Colourful, clear screenshots



TEACHER'S MANUAL

A support to the teacher. Complete answers to the questions of chapter-end exercises provided.

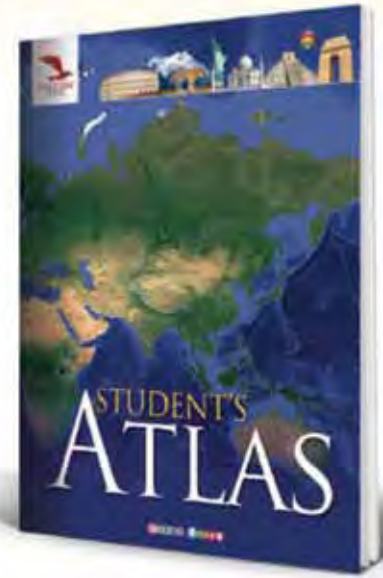
KEY FEATURES

- **Case studies** on digital giants such as Google have been included in books 6 to 8 to give a broader perspective and stimulate thinking in the students.
- **Past Present Future**, a section, in the books 3 to 8 takes the student through different time zones giving a glimpse of how technology has advanced in various disciplines.
- Tips to the Digital Natives about **online safety** and appropriate use of technology, and important technical facts have been put at relevant places in the books.

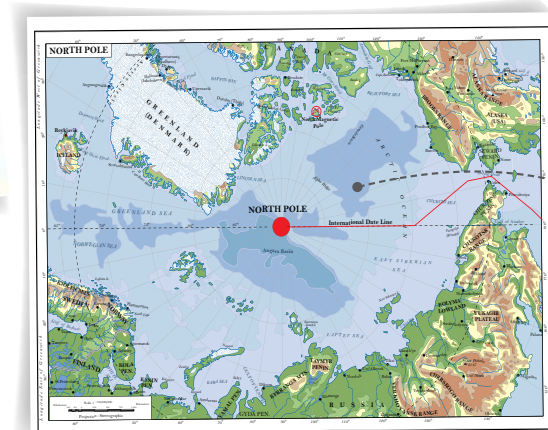
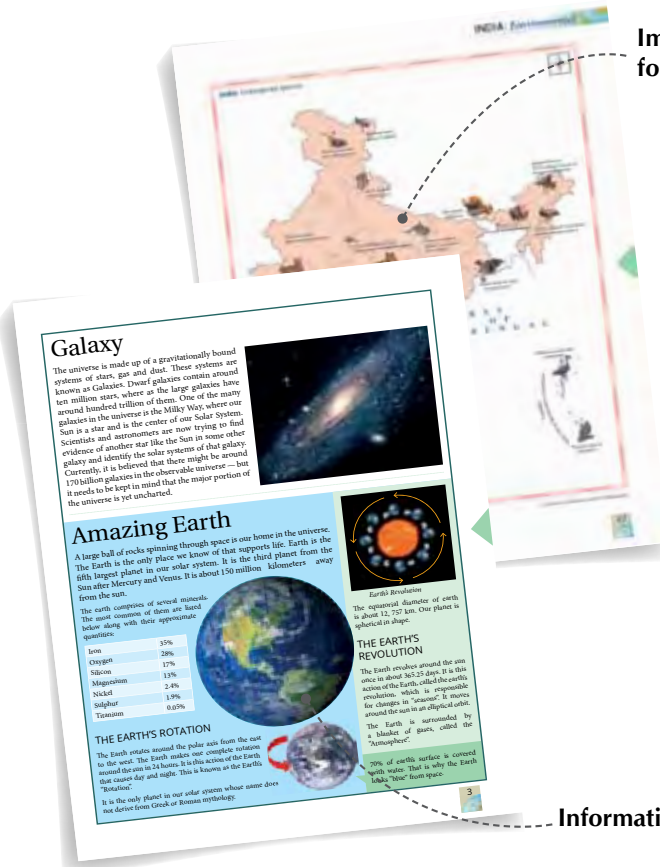


This first edition atlas for both primary and middle level students has been developed using modern cartographic techniques.

The atlas provides the latest available demographic and socio-economic data obtained from authoritative sources. The atlas includes a fully updated index.



Images used on the maps for better understanding



Easy-to-understand maps with precise parallels

Informative preliminary pages

Yoga

MIDDLE AND SECONDARY SCHOOL SECTION

This series comprises two books for classes 6 through 8 and 9 to 10. It is based on the latest NCERT/CBSE syllabus.

Detailed material for various Yoga competitions



Key features of Yoga Books:

- Brief description of different yogic activities.
- Benefits of yoga (activities-wise).
- Do's and don'ts to perform different Asanas.
- User-friendly language with clear photographs.
- Enriched material for various yoga competitions.

Quick Score

Practice Books and Sample Papers

Learn and Practise Science and Maths

These practice books are for classes 6, 7 and 8, based on the NCERT Science and Maths textbooks. Science books have summaries for each topic which include flow charts, web charts, and diagrams to recapitulate and enhance understanding. A variety of questions in the Worksheets—both Supplementary and Challenger—make these books a wholesome practice material.

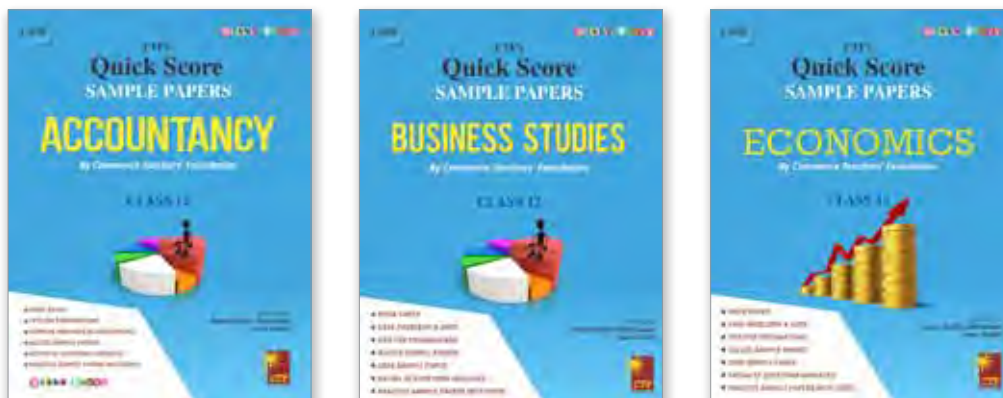


Titles	VP
Learn and Practise Science - 6	1937
Learn and Practise Science - 7	1938
Learn and Practise Science - 8	1936
Learn and Practise Maths - 6	1950
Learn and Practise Maths - 7	1951
Learn and Practise Maths - 8	1952

Sample Papers for Class-12

Sample papers for Accountancy, Business Studies and Economics

- Mind maps for learning difficult concepts
- Mock paper designed after complete analysis
- Common mistakes in attempting board papers are highlighted
- Case Problems and Higher Order Thinking Skills questions included
- Evaluation Questions (Based on multiple concepts and values)



Titles	VP
Quick Score Sample Papers	
Accountancy - 12	1888
Business Studies - 12	1889
Economics - 12	XXX

READERS

Classics Once Upon a Time

Classics once upon a time series is a compilation of popular, age-old timeless stories. The stories have been suitably adapted and impressively illustrated for the contemporary young readers. Lively language and beautiful illustrations in each story captivate and transport the reader to the setting of the story.



Titles	VP
The Brave Tin Soldier	1693
Jack and the Beanstalk	1372
The Emperor's New Clothes	1198
Rumpelstiltskin	999

and many more...



Classics Moral Stories

Classics Moral Stories is a collection of age old time-tested stories which will help readers learn and develop basic moral values such as sincerity, honesty, courage and truthfulness.



Titles	VP
The Fox and The Crow	1391
The Cat and The Fox	1577
The Three Little Pigs	1252
The Tortoise Who Wanted to Fly	1578

and many more...

GRADED READERS

Abridged and carefully adapted stories to suit different age groups.



Alice in Wonderland



The Merry Adventures of Robin Hood



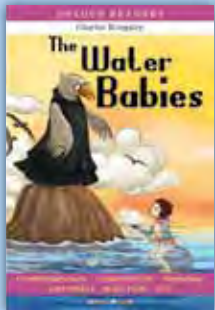
Rip Van Winkle



Through the Looking-Glass



Tales of Beatrix Potter



The Water Babies



Rikki-Tikki-Tavi



Alice in Wonderland, inner pages

- Comprehension
- Composition
- Grammar
- Life Skills
- Role Play
- ICT

9 to 11 years

11 to 13 years

13+ years



Little Women



The Wonderful Wizard of Oz



Peter Pan



Anne of Green Gables



Daddy-Long-Legs



Heidi



The Adventures of Pinocchio



Black Beauty

Titles	VP
The Adventures of Pinocchio (9 to 11 years)	1866
Rip Van Winkle (7 to 9 years)	1823
Peter Pan (9 to 11 years)	1864
Through the Looking Glass (7 to 9 years)	1865
Black Beauty (9 to 11 years)	1872

and many more...

Read 'n Grow

Beautifully illustrated these refreshing picture book sets introduce young readers to a wide range of situations to learn and grow with. The stories are not just packed with action and fun but also weave together **values, civic sense, and sensitivity towards the environment, underprivileged and differently abled.**

The stories and illustrations prepare readers to live in a multi-cultural society and to appreciate and respect diversity.

A set of worksheets with each story is not just a delight for the readers to do but a carefully prepared sequence of activities with the objective of guiding the readers through a thinking process.

The Read 'n Grow series includes picture books for children. These stories, full of action and fun, introduce young readers to a variety of situations to learn and grow with.

The **Read 'n GROW** series of books is graded into three age groups.

- 2-5 years** Wordless, one word or a short sentence for budding readers
Storyline on the inside cover
- 5-7 years** Vocabulary and sentence length appropriate for beginning readers
450 to 500 words
- 7-9 years** Longer sentences and enhanced vocabulary
900+ words



★ ★ ★ 2 to 5 years ★ ★ ★



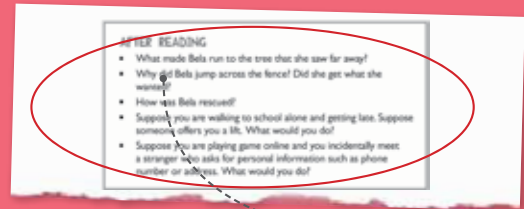
- A series of graded books
- Focuses on teaching good behaviour, life skills, values
- Weaved around various universal themes and values

Titles	VP
Let's Buy Shoes for Me, Grandma	1726
Mangoes for Bindu	1746
Baadal and Bijli	1745
brum-brum-brrrrrrr Goes the Tuk Tuk	1727
The Monkey and the Mobile Phone	1747
Okay, Mom!	1787

and many more...



★ ★ 5 to 7 years ★ ★ ★



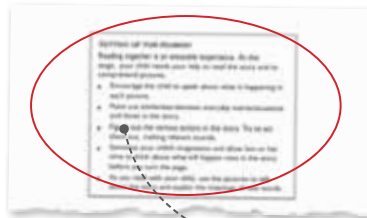
After Reading section includes questions to help develop not just language skills but also Life Skills and Values. The questions will certainly help the readers to establish appropriate connections with real life, and unleash their application and analytical skills.

Titles	VP
Barney's Night Out	1725
Give Back My Ball!	1724
The Great Show	1729
Stranger at the Farm	1785
The Grumpy Little Owl	1748
The Nimba Tree	1744
Tringaling Ling!	1784
The Lonely Princess	1797

and many more...



★ ★ 7 to 9 years ★ ★ ★



Setting Up for Reading and Before Reading sections have reading tips and suggestive fun activities to do with children before and during reading. sections have reading tips and suggestive fun activities to do with children before and during reading.



Titles	VP
Rusty, My Friend	1786
The Stranger We Love	1728
Ari's New Glasses	1758
To the Rescue	1749
A Time Together!	1730
Boring Food!	1820
A Little Lie	1788

and many more...



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Titles	Author's Name	VP
Gitanjali	Rabindranath Tagore	574
Creative Unity	Rabindranath Tagore	921
The Religion of Man	Rabindranath Tagore	964
Gora	Rabindranath Tagore	958
Four Chapters	Rabindranath Tagore	907
Julius Caesar	William Shakespeare	970
Romeo & Juliet	William Shakespeare	1027
Hamlet: Prince of Denmark	William Shakespeare	1113
King Lear	William Shakespeare	1112
Twelfth Night	William Shakespeare	1026
Sherlock Holmes (Part-I)	Sir Arthur Conan Doyle	382
Sherlock Holmes (Part-II)	Sir Arthur Conan Doyle	417
Sherlock Holmes (Part-III)	Sir Arthur Conan Doyle	425
Around The World in 80 Days	Jules Verne	799

Titles	Author's Name	VP
Constructive Programme	M. K. Gandhi	954
An Autobiography Or My Experiments with Truth	M. K. Gandhi	955
A Christmas Carol	Charles Dickens	665
Great Expectations	Charles Dickens	664
A Tale of Two Cities	Charles Dickens	752
Oliver Twist	Charles Dickens	627
Kim	Rudyard Kipling	784

Titles	Author's Name	VP
The Adventures of Robin Hood	Desmond Dunkerly	1675
Sherlock Holmes	Sir Arthur Conan Doyle	595
The Corel Island	R. M. Ballantyne	688
Kidnapped	Robert Louis Stevenson	771
The Jungle Book	Rudyard Kipling	1681