

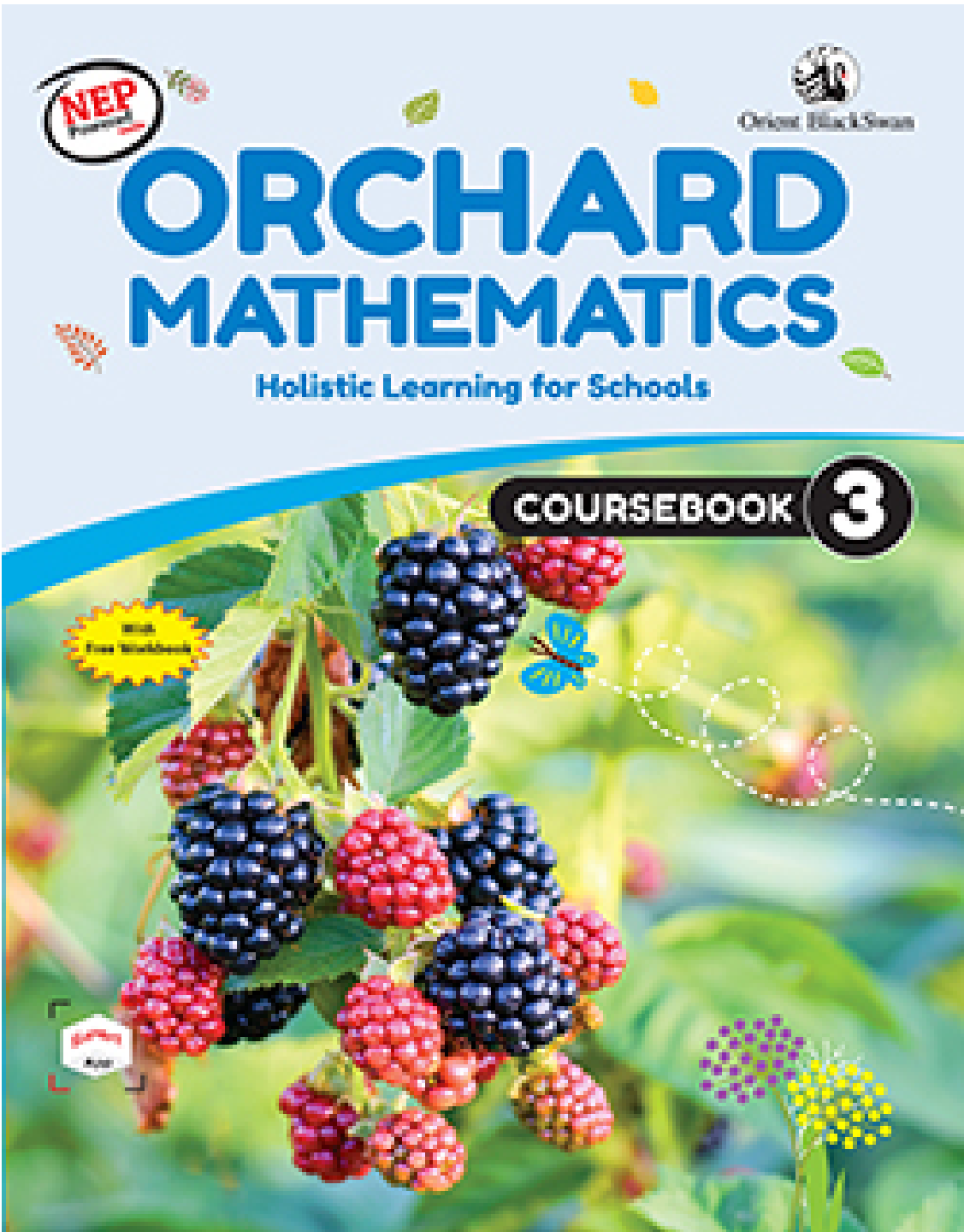


# ORCHARD MATHEMATICS

Holistic Learning for Schools

COURSEBOOK **3**

With  
Free Workbook



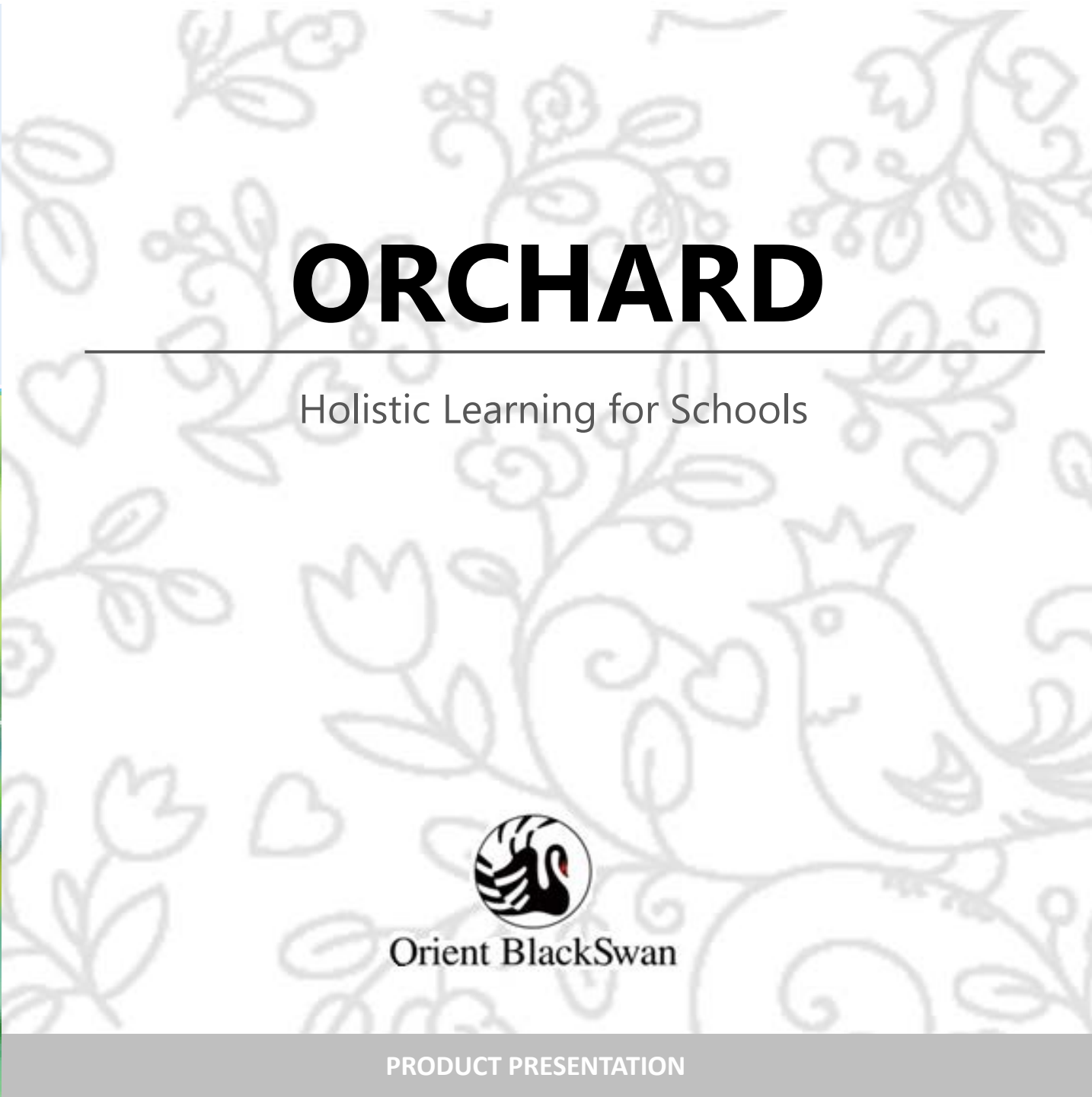
# ORCHARD

Holistic Learning for Schools



Orient BlackSwan

PRODUCT PRESENTATION



# COURSEWARE

<b>Coursebooks</b>	1-5
<b>Workbooks</b>	1-5
<b>Smart App</b>	1-5
<b>Teachers' Resource Pack</b>	1-5
<b>The Orient BlackSwan Teachers' Portal with online Smart Books</b>	



# COVERS



# SPECIAL FEATURES

- **Holistic Learning and Integration**  
Across disciplines and skills in the curriculum
- **Thematic Approach**  
For graded and child-friendly learning
- **21<sup>st</sup> Century Skills**  
For strong cognitive and personal development, beyond rote learning
- **Experiential Learning**  
To connect real life with concepts
- **Extensive Digital Resources**  
For students and teachers



# KEY FEATURES

## Learning Outcomes

- Based on concept-wise NCERT Learning Outcomes
- Guide for teachers to set objectives for teaching and assessment
- Help for students to assess their own learning

## Digital Learning Resources

- For reinforcement of concepts, more information and extended learning



# KEY FEATURES

## Recall

For revision and assessment of prior knowledge

## Warm-up

Lead-in activity to connect the concept with real life

## Text

- Child friendly text with adequate examples
- Rich and relevant pictures

## Exercises

- Questions for concept check and critical thinking
- Life skills and values embedded in select questions

**Answers to the exercises in the coursebook**



# KEY FEATURES

## Maths Lab Activities

Hands-on activities for experiential learning

## Find Out

Multidisciplinary tasks to promote discovery-based learning and research skills

## Do You Know?

Facts covering a range of topics to stimulate curiosity

## Projects

- Subject-integrated, age-appropriate experiential learning tasks addressing multiple intelligences and 21<sup>st</sup> century skills
- Mix of creative and functional tasks for individual and collaborative work



# GRAPHIC PREFACE

## PREFACE

### Orchard: Holistic Learning for Schools (1–5)

Powered by the guiding principles of the National Education Policy (2020) and the NCERT, Orchard actively supports experiential learning and critical thinking through a multidisciplinary approach. It aims to develop 'all capacities of human beings—intellectual, aesthetic, social, physical, emotional, and moral in an integrated manner.'

#### THE PACKAGE

##### For the Student

- 1 Coursebooks 1 to 5
- 2 Workbooks 1 to 5
- 3 Smart App 1 to 5

##### For the Teacher

- 1 Teachers' Resource Packs 1 to 5
- 2 The Orient BlackSwan Teachers' Portal with online Smart Book



#### COURSE HIGHLIGHTS

##### Holistic Learning and Integration

Across disciplines and skills in the curriculum

- Subjects
- Art
- Health & Wellness
- Values & Life Skills
- Multiple Intelligences
- Heritage
- Digital

##### 21<sup>st</sup> Century Skills

For strong cognitive and personal development, beyond rote learning

- Critical thinking, Creativity, Collaboration, Communication
- Social and Emotional Learning

##### Learning Outcomes

To attain specified goals on a clear path

- Teaching and assessment targeted at Learning Outcomes across concepts and skills

##### Extensive Digital Resources

- For students: Smart App to access digital resources such as animations, Augmented Reality experiences, presentations, interactivities and games

- For teachers: The Orient BlackSwan Teachers' Portal with online Smart Book

##### Experiential Learning

To connect real life with concepts

- Hands-on classroom activities that address topical issues
- Wide-ranging projects which enhance exploratory learning (English, EVS & Maths)

##### Thematic Approach

For graded and child-friendly learning

- Self & Body
- Family
- Home & Our Surroundings
- School
- Plants
- Animals
- Water
- Food
- India Knowledge
- Natural Disasters
- People & Professions
- Travel & Transport

## ORCHARD MATHEMATICS COURSEBOOK

##### Learning Outcomes

- Based on concept-wise NCERT Learning Outcomes

##### Digital Learning

- Quick-response codes to access digital resources for reinforcement of concepts and more information

##### Recall

- Revision and assessment of prior knowledge

##### Warm-up

- Lead-in activity to connect the concept with real life

##### Text

- Richly illustrated child-friendly text with clear explanations and adequate examples

##### Exercises

- Interesting mix of questions in different formats for concept check and critical thinking, with life skills and values embedded in select questions

##### Maths Lab Activities

- Experiential learning by way of hands-on activities

##### Find Out

- Multidisciplinary tasks to promote discovery-based learning and research skills

##### Do You Know?

- Fascinating facts covering a range of topics
- Nuggets of general knowledge to stimulate curiosity

##### Projects

- Subject-integrated and age-appropriate projects covering multiple intelligences
- Mix of creative and functional tasks for individual and collaborative work
- Focus on holistic and experiential learning by blending in 21<sup>st</sup> century skills

##### Answer Key

- Answers to the exercises in the coursebook

## DIGITAL RESOURCES IN THE SMART APP

- Concept Animations\*
- Augmented Reality Experiences\*
- Presentations and Picture Galleries\*
- Interactive Tasks\*
- Games
- Sample Question Papers

\* free access for select assets on the Smart App

#### How to Use the Orient BlackSwan Smart App for Students

- Visit <http://digital.orientblackswan.com/download>
- Find and download the app on your Google Android™-powered mobile device.
- Follow the instructions to install the app.
- Register or log in to the app.
- In the 'Redeem Code' section, type in the Licence Key from the inside front cover of this book to access the digital resources. You can also purchase additional assets for this book after you redeem the licence key. Enjoy learning!

## ORCHARD MATHEMATICS WORKBOOK

- linked worksheets for practice

#### Icons Used in the Book

- Integration
- Critical Thinking and Problem Solving
- Digital
- Augmented Reality Experiences



# TEACHER SUPPORT

## Teachers' Resource Packs

- Hands-on Session plans
- Question Bank
- Worksheets
- Sample Question Papers
- Answer key

## The Orient BlackSwan Teachers' Portal with online Smart Book

- Concept Animations
- Presentations
- Picture Galleries
- Session Plans
- Question Bank
- Worksheets
- Sample Question Papers
- Answer key
- **Question-paper Generator**



# DIGITAL SUPPORT

- **Concept Animations\***
- **Augmented Reality Experiences\***
- **Presentations and Picture Galleries\***
- **Interactive Tasks\***
- **Games**
- **Sample Question Papers**

\* *free access for select assets on the Smart App*





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# ORCHARD

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Holistic Learning for Schools

**THANK YOU**