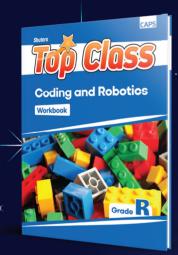
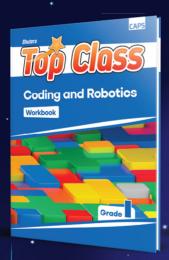
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Coding and Robotics

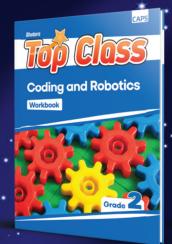
Grade R to 6



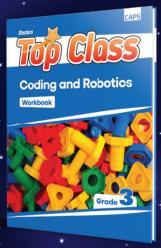
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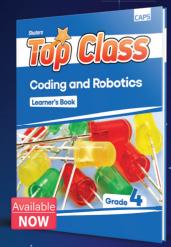
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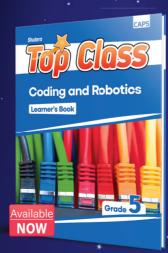
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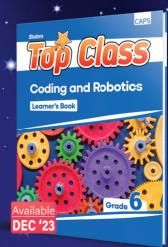
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Top Class Coding and Robotics has a full-colour Workbook for *Grade R.

*Translations in Afrikaans, isiXhosa and isiZulu will be available in January 2024.

 The content and activities in each workbook are clearly scaffolded, allowing for progression throughout the year.

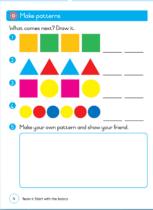




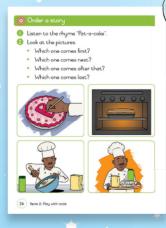




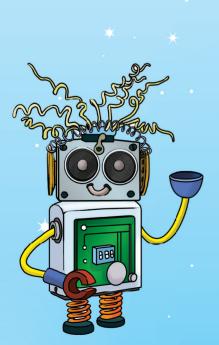
 The workbooks are packed with colourful activities that are enjoyable and fun.











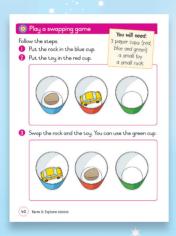


 Integration with other Foundation Phase subjects (Languages, Mathematics and Life Skills) is built in throughout the workbooks.





 Step-by-step instructions, with illustrations, make it easy for learners to understand the principles of coding.

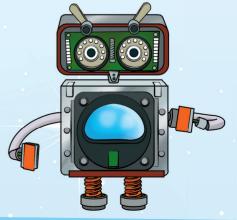


 Robotics is simple with easyto-follow instructions that show learners how to build a robot from recycled materials.





 At the end of each term, the new concepts are revised.
 The What have I learnt page helps learners to review whether they understood the new concepts.



Top Class Coding and Robotics has a full-colour Workbook for *Grade 1 to 3.

*Translations in Afrikaans, isiXhosa and isiZulu will be available in January 2024.

• The content and activities in each workbook are clearly scaffolded, allowing for progression throughout the year.





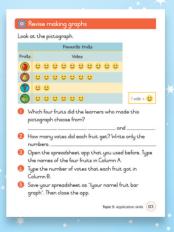




 Each grade starts with a What do I remember? page to activate important prior knowledge from the previous grade.



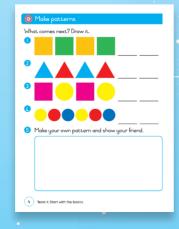
Integration with other
 Foundation Phase subjects
 (Languages, Mathematics and Life Skills) is built in throughout the workbooks.

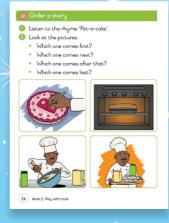


• The workbooks are packed with colourful activities that are enjoyable











Foundation Phase

- Step-by-step instructions, with computer screenshots, make it easy for learners to understand the principles of coding.
 - © Code with two sprites

 Open your project.
 Change the background to Baseball I.
 Build this code for the batter sprite.

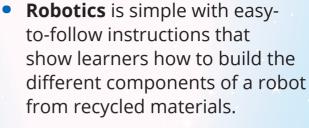
 Build this code for the ball sprite.

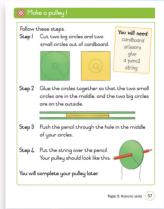
Press The space bar to make your batter get to the ball.

What happens when you press the space bar?

3 Save your work.



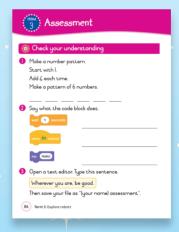




 At the end of each term, language across the curriculum is addressed in a Revision page.

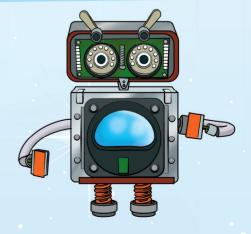


 Each term ends with an Assessment page.

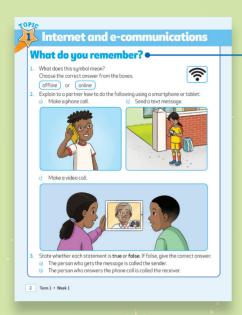


existon—something a person or people of control of the control of

 At the back of the Workbook is a list of new words with easy definitions to help learners build their subject vocabularly.



Top Class Coding and Robotics has a full-colour Workbook for Grade 4 to 6.



Important prior knowledge from the previous grade or term is activated at the start of each topic.

Where to find the + and - operator blocks
The operator blocks are green. You will find them unde
Operators in the block polette. There are four operator
blocks (addition, subtraction, multiplication and divisio
You will learn about multiplication and division later.

Operators

Moren

Losis

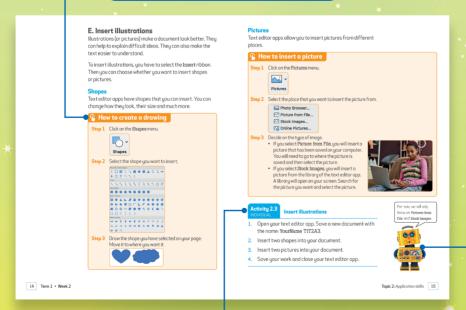
Source

Cross

Garage

Explanations and instructions with computer screenshots make it easy for learners to understand the principles of coding in Scratch.

How to boxes show learners step-by-step how to perform a new skill.

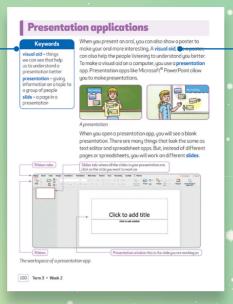


A robot helper gives hints and tips.

Activities allow learners to apply and practise their new skills.

Intermediate Phase

Easy definitions for the subject vocabulary appear in a keyword box on the same page.



Subject vocabulary is shown in blue where it appears for the first time.

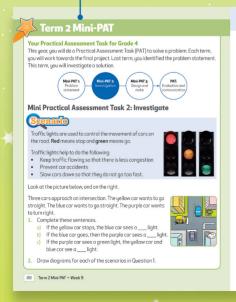


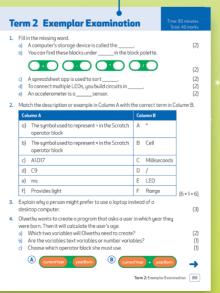
New concepts and skills are revised at the end of each topic.

The topic revision includes a section that addresses language across the curriculum.

The appropriate Practical Assessment Task for each term is provided.

Formal Assessment Exemplars are provided at the end of each term.

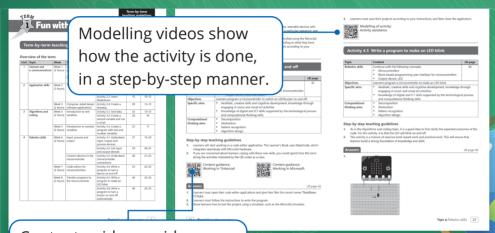






A comprehensive Teacher's guide, with term-by-term teaching guidelines is available for each grade.

A key component of Top Class Coding and Robotics is content guidance and modelling videos that are embedded in the Teacher's guide. Teachers can use them to prepare for lessons or to explain an answer or process in class.



Content guidance videos provide special support for teachers who have to teach the subject for the first time.

Top Class Coding and Robotics Grade R Teacher's Guide

Top Class Coding and Robotics Grade 1 Teacher's Guide

Top Class Coding and Robotics Grade 2 Teacher's Guide

Top Class Coding and Robotics Grade 3 Teacher's Guide

Top Class Coding and Robotics Grade 4 Teacher's Guide

Top Class Coding and Robotics Grade 5 Teacher's Guide

Top Class Coding and Robotics Grade 6 Teacher's Guide

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Coding and Robotics

Teacher's Guide



Available Jan '24



Top Class Coding and Robotics for Grade 7 builds on the winning recipe of Grades 4 to 6. More age-appropriate features are added.

Do not miss out!

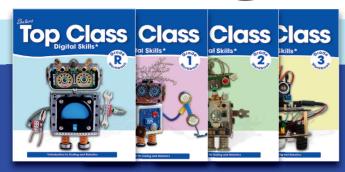
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 Grade 7 Learner's Book
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 Grade 7 Teacher's Guide
 9781779922052
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e-Book ISBN 9781779922045 9781779922069

Digital Skills





Special features of this book:



The Workbook is built around fun activities and colourful illustrations to help learners acquire the skills and enjoy learning about computers.

At the end of each term there is a revision page to consolidate and practise new terms and concepts.







The little robot icon shares information and clues to do the activities.



A computer dictionary with important computer terms and easy definitions helps learners to understand and build subject vocabulary.



We have also included a picture of a keyboard on the inside back cover so that learners who don't have access to computers can familiarise themselves with the keys.

	ENGLISH	AFRIKAANS
Top Class Digital Skills Grade R Workbook	9781485835882	9781485835899
Top Class Digital Skills Grade 1 Workbook	9781485835813	9781485835844
Top Class Digital Skills Grade 2 Workbook	9781485835790	9781485835820
Top Class Digital Skills Grade 3 Workbook	9781485835806	9781485835837
Top Class Digital Skills Grade R Teacher's Guide	9781485836100	9781485836094
Top Class Digital Skills Grade 1 Teacher's Guide	9781485836148	9781485836117
Top Class Digital Skills Grade 2 Teacher's Guide	9781485836155	9781485836124
Top Class Digital Skills Grade 3 Teacher's Guide	9781485836162	9781485836131



Don't be left behind! Order your

Top Class Digital Skills textbooks NOW

and prepare your learners for the future.





Discover the stimulating world of Coding and Robotics with this curriculum-compliant kit.

It is an excellent way to spark excitement in both learners and teachers who are introduced to the subject for the first time.

- The contents are easy to use for teacher demonstrations and learner activities.
- Technical specifications and visual representations for all components are included in the kit. This will enable teachers and learners to easily code and build their own robots!



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Wooden Start Coding



This activity pack will help any learner to discover the wonderful world of coding. It enables the learner to:

- explore the concept of unplugged coding in a fun and exiting way
- visualise abstract concepts
- plan and organise their thoughts
- become a confident problem solver.

Included in this activity pack:

- a double-sided game board
- 12 challenges on laminated cards
- 12 wooden arrow tiles
- 4 wooden character tiles



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