Textbook Stage 1-6

Workbook Stage 1-6

Access to comprehensive Teacher's resources

- Teacher's guide (Lesson plan, scheme of work, printables)
- Specimen testpapers
- Topical worksheets
- Enrichment worksheets
- Reinforcement worksheets
- STEM activities
- Weblinks
- Answer keys
- Flash cards
- Manipulative list
- Online access (www.AlstonDigital.sg)

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Active Maths

Unique learning experience to develop mathematical thinkers

- Combination of Singapore approach to maths teaching with new Cambridge Primary Mathematics (0096) Curriculum
- Mathematical concepts are scaffold through the effective Singapore approach maths teaching method which emphasises on the development of strong mathematical fluency and problem-solving skills
- Singapore approach to maths teaching is proven with the strong performance of Singapore students in international TIMSS Mathematics assessments, ranking 1st in 2015 and 2019

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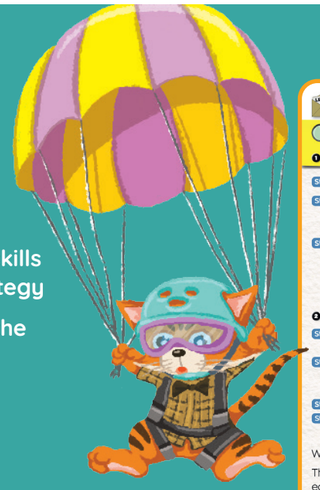
Active Maths

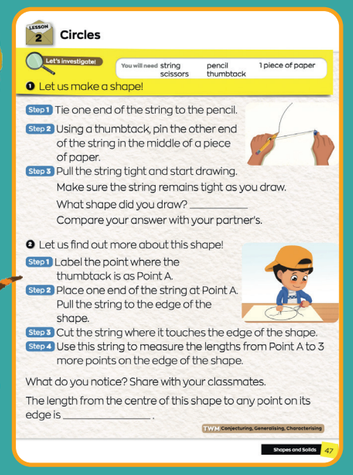
Focuses on developing learners with "Thinking and Working Mathematically" skills using Problem-based Learning (PBL) strategy

Using 5E instructional model to scaffold the learning process through variety of Active Learning activities

1 Examine the problem scenario

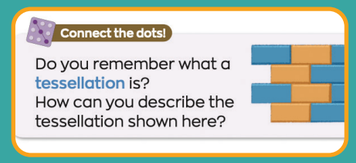
- Providing an interesting real-world problem to spark the curiosity of learners
- Gather clues to infer possible solutions

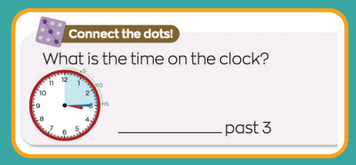




2 Recall prior knowledge

- Prompting learners to recall mathematical concepts learnt



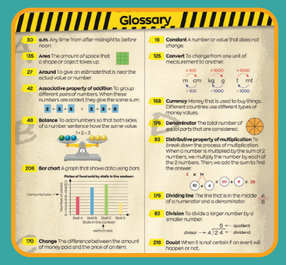


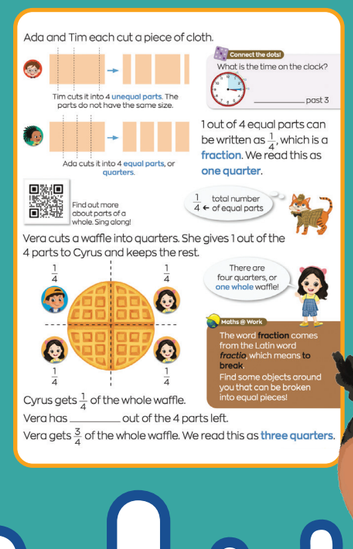
3 Explore mathematic concepts through investigations

- Involving learners to proactively explore new mathematical concepts
- Building essential "Thinking and Working Mathematically" skills and develop confident 21st century mathematical thinkers

4 Learn mathematical concepts

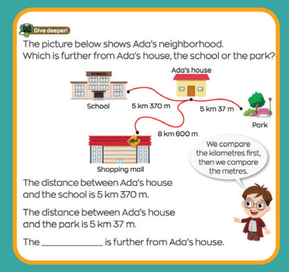
- Scaffolding and explaining using Concrete-Pictorial-Abstract, one of the methods from the Singapore Approach

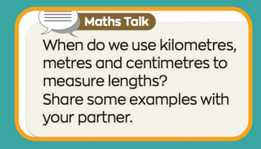




5 Extensions of mathematical concepts

- Providing opportunities to discuss mathematical concepts and practise verbalising maths vocabulary
- Applying and sharing the new mathematical knowledge through collaborative learning





- Enabling learners to achieve mastery in reasoning, problem-solving and conceptual skills through worked examples

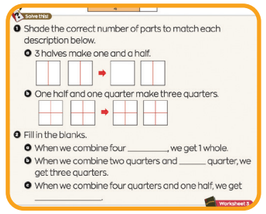
- Honing learners' higher order thinking skills through challenging tasks

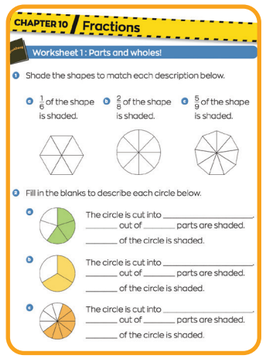
6 Revisit problem scenario

- Discovering possible solutions for the problems identified at the start of the after synthesising the mathematical concepts learnt

7 Practise to mastery

- Reinforcing mathematical concepts learnt immediately

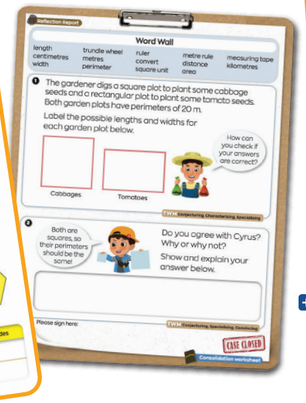




- Doing further practices for mastery of concepts

8 Review and Reflect

- Evaluating the understanding of the learning objectives in the chapter



- Demonstrating concepts learnt through reflective application activities

9 Prepare for Tests

- Providing opportunities for learners to gain exam confidence