

ARDEER P.S MATHEMATICS INSTRUCTIONAL MODEL

1



Stage 1: Preparation and Retrieval

Focus: Activate prior knowledge and develop fluency.

2



Stage 2: Modelling – 'I DO'

Focus: Explicitly teach new mathematical skills and concepts.

3



Stage 3: Guided Practice – 'WE DO'

Focus: Support students as they practise new learning with guidance.

4



Stage 4: Independent Practice – 'YOU DO'

Focus: Enable independent application of skills and knowledge.

5



Stage 5: Review and Reflect

Focus: Revisit and consolidate key ideas and assess understanding.

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1



Teacher Actions:

- Share learning intention and success criteria clearly.
- Review prior concepts and vocabulary.
- Conduct short fluency warm-ups and retrieval practice.

Student Actions:

- Engage in fluency activities.
- Discuss and recall prior learning.
- Explain connections to new learning.

2



Teacher Actions:

- Model new strategies and concepts step-by-step.
- Use visuals, manipulatives, and real-world contexts.
- Think aloud to show reasoning.

Student Actions:

- Watch and listen carefully.
- Ask clarifying questions.
- Record examples and key vocabulary.

3



Teacher Actions:

- Work through examples collaboratively.
- Ask key questions and address misconceptions.
- Provide feedback and encouragement.

Student Actions:

- Practise with support from teacher and peers.
- Explain reasoning and problem-solving steps.
- Collaborate to complete examples.

4



Teacher Actions:

- Provide differentiated tasks for varied needs.
- Confer with small groups or individuals.
- Observe and collect evidence of learning.

Student Actions:

- Apply strategies independently.
- Persist through challenges.
- Reflect on strategies and self-monitor.

5



Teacher Actions:

- Revisit learning intention and success criteria.
- Facilitate reflection and discussion.
- Provide feedback and conduct assessments.

Student Actions:

- Reflect on their learning progress.
- Share strategies and reasoning.
- Self-assess using success criteria.