



# Curriculum Matters

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Primary 5



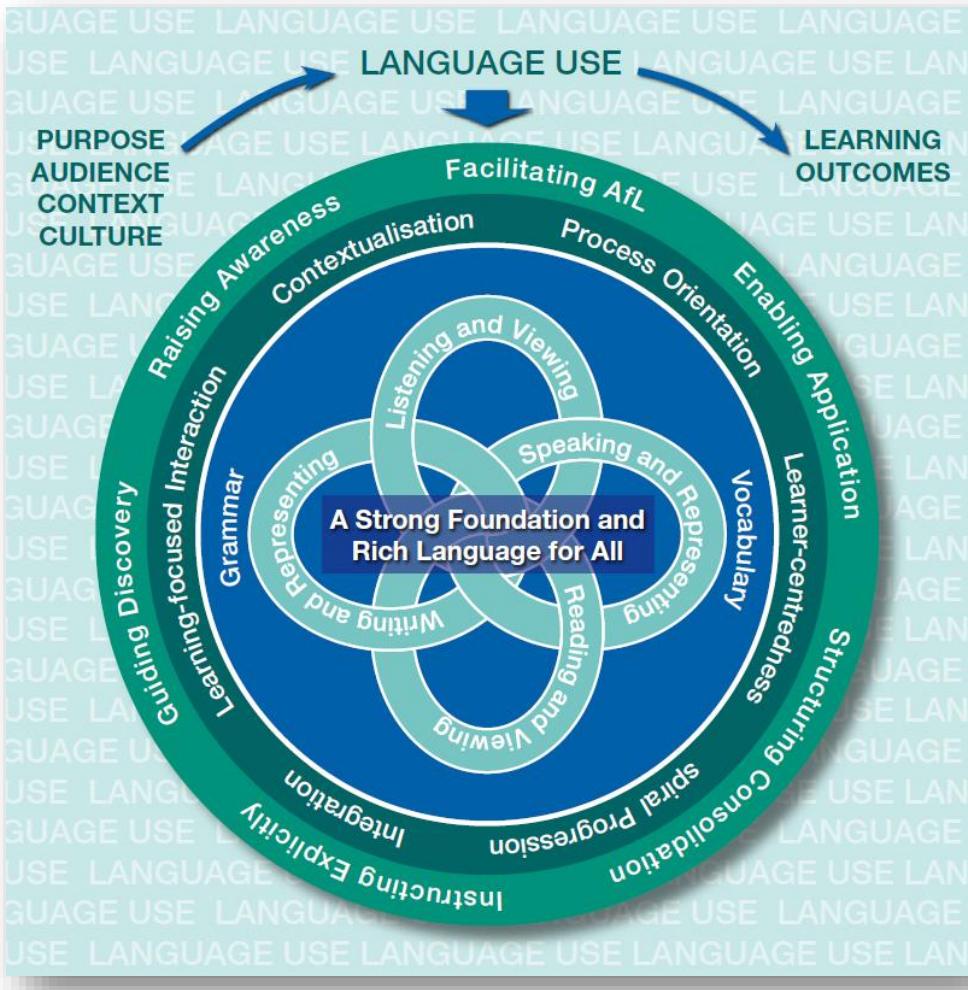
# ENGLISH LANGUAGE

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**Primary 5**



# Areas of Language Learning



- Listening & Viewing
- Reading & Viewing
- Speaking & Representing
- Writing & Representing
- Grammar
- Vocabulary



# An overview

School Values: Kindness, Integrity, Resilience, Responsibility, Creativity

Language Learning Area	STELLAR (National Curriculum)	School-based Curriculum
Reading & Viewing	<ul style="list-style-type: none"><li>Supported Reading</li><li>Retelling</li><li>KWL</li><li>Sustained Silent Reading (SSR)</li></ul>	<ul style="list-style-type: none"><li>Library</li><li>Structured Reading Programme (SRP)</li><li>Newspaper-reading (Little Red Dot)</li><li>Oral Communication Package</li></ul>
Writing & Representing	<ul style="list-style-type: none"><li>Writing Process Cycle (WPC)</li><li>Text-Type Writing</li></ul>	<ul style="list-style-type: none"><li>CPS Writing Package (P.O.E.M.S)</li><li>Journal (weekly)</li></ul>
Speaking & Representing	<ul style="list-style-type: none"><li>Effective and purposeful interaction and group discussion embedded in all key strategies</li></ul>	<ul style="list-style-type: none"><li>Oral Communication Package</li></ul>
Listening & Viewing	<ul style="list-style-type: none"><li>Listening and viewing skills for understanding and critical thinking taught through all key strategies using audio and graphic stimuli</li></ul>	
Grammar	<b>Whole-Part-Whole Approach</b> <ul style="list-style-type: none"><li>Explicit teaching of grammar in meaningful context using STELLAR readers</li></ul>	
Vocabulary	<p>Text-Based Approach</p> <ul style="list-style-type: none"><li>STELLAR Readers</li></ul>	<p>Working with Words</p> <ul style="list-style-type: none"><li>Spelling (in context)</li></ul>



# What is STELLAR?

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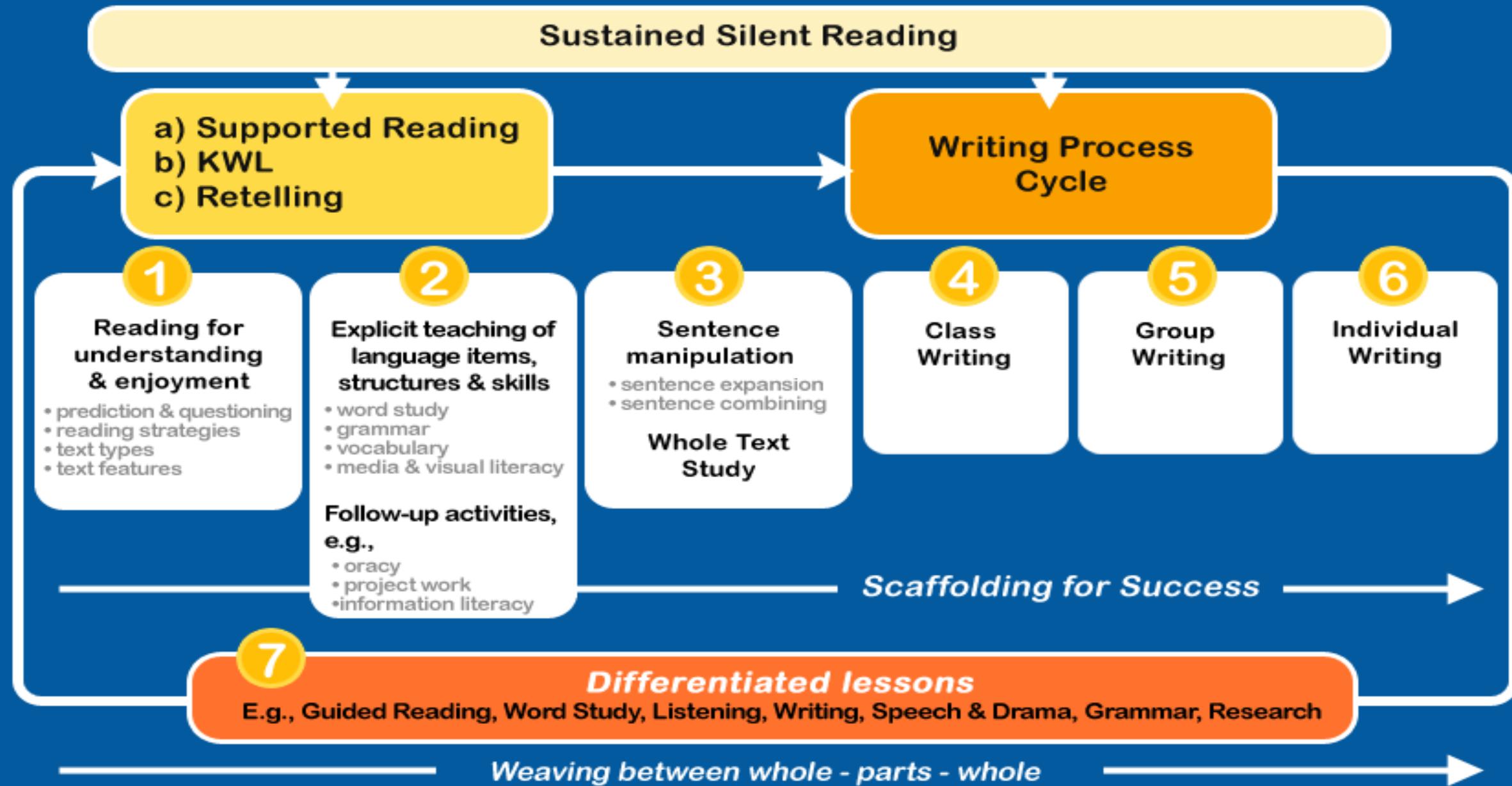
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School Values: Kindness, Integrity, Resilience, Responsibility, Creativity

# Strategies for English Language Learning and Reading

- Teaching and learning of English using more speaking and listening activities
- Children learn reading and writing using rich and interesting books, with discussions led by the teacher

# STELLAR Pedagogic Framework (P3b to P6)

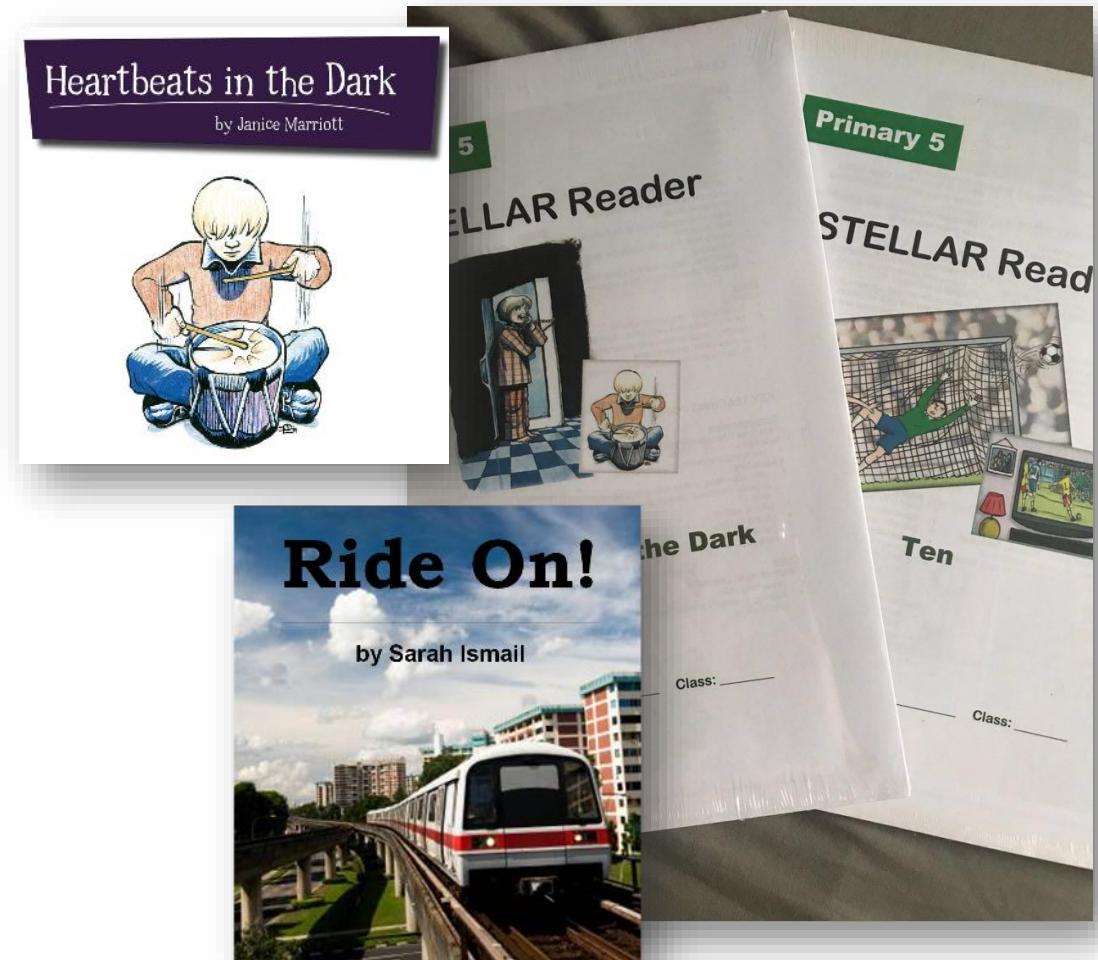




# Supported Reading (SR)

School Values: Kindness, Integrity, Resilience, Responsibility, Creativity

- A bridge between teacher-supported reading aloud and independent silent reading.
- Explicit teaching of reading comprehension skills & strategies:
  - Inferring/Summarising
  - Annotation
  - KWL
  - Retelling





# Writing

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School Values: Kindness, Integrity, Resilience, Responsibility, Creativity

## Writing Process Cycle (WPC)

- Teacher Models Writing ➔ Class Writing ➔ Individual Writing

## Individual Writing

- P.O.E.M.S approach:

**P**urpose

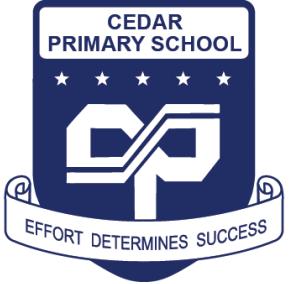
**O**rganisation

**E**laboration

**M**echanics

**S**tyle





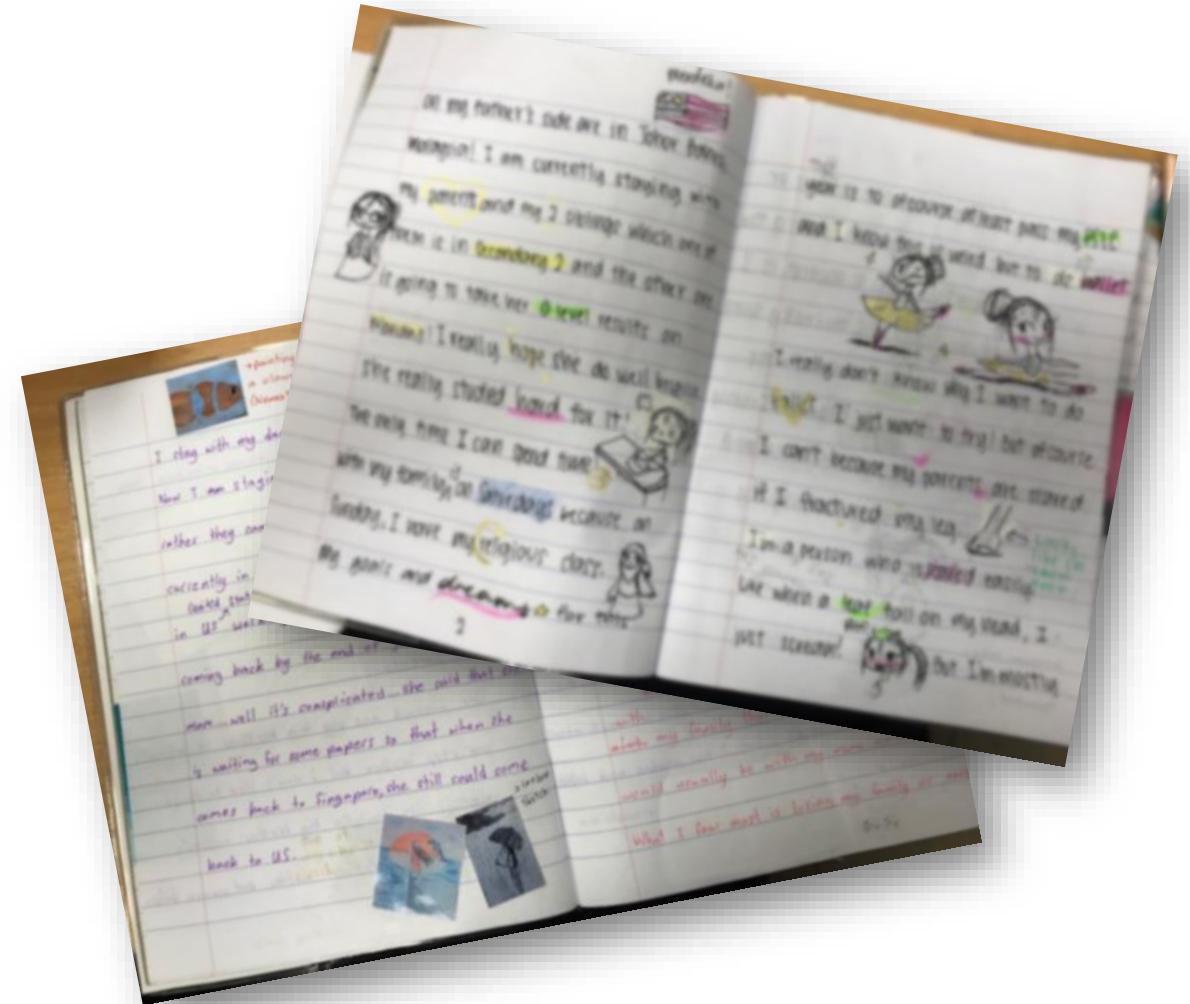
# Journal Writing



School Values: Kindness, Integrity, Resilience, Responsibility, Creativity

- Weekly/Fortnightly submission
- Free expression based on a given topic/guiding questions

To encourage expression and creativity





# Other Programmes & Activities

- Structured Reading Programme (Fortnightly)
- Library Period (Fortnightly)
- Library Programme (On-going)
  - Avid Reader Award
  - Thematic Displays
  - Quizzes
  - Book highlights
- Newspaper Reading: Little Red Dot [35 issues]
- READ@CPS
- Partnership with NLB





# Students' Resources

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School Values: Kindness, Integrity, Resilience, Responsibility, Creativity

- Blue File (EL Worksheets)
- White File (Writing : Situational & Continuous Writing)
- STELLAR Worksheets (EPH/CPDD)
- EL Worksheets (modular/exam format)
- Student Learning Space (SLS)
- Exercise Book (Journal)
- Little Red Dot (weekly)



# Examination Format (EL / FEL)

Paper	Component		Marks			Differences	
	P4	P5 & P6	P4	P5 & P6		EL	FEL
1	Writing	Situational Writing	20	15	10	<b>27.5% [1h 10min]</b> -Situational Writing -120 words -> 150 words	<b>26.7% [1h 10 min]</b> -Situational Writing
		Continuous Writing		40	30		
2	Language Use & Comprehension		50	95	60	<b>47.5% [1h 50min]</b> -Booklet A – More MCQ questions -Booklet B – Spelling / Editing, Synthesis/Transformation, Comprehension Cloze & OE	<b>40% [1h 20min]</b> <b>-Booklet B</b> Form Filling, Spelling / Editing, Completion of sentences & Comprehension Cloze
3	Listening Comprehension		14	20	20	<b>10%/13.3% [About 40 min]</b> -Longer passages (instructions / stories / advertisements)	
4	Oral Communication (Reading Aloud & SBC)		16	30	30	<b>15%/20%[ [About 10 min]</b> -Longer “Reading Aloud” Passage -More challenging stimulus / prompts	
<b>TOTAL</b>		<b>100</b>	<b>200 / 150</b>				



# Tips for parents & guardians

School Values: Kindness, Integrity, Resilience, Responsibility, Creativity



- Read extensively; explore different genres
- Build vocabulary - actively take note of new vocabulary (words & phrases)
- Communicate using Standard English
- Watch English programmes (movies, news, etc)
- Listen to English radio stations / songs
- Sing English songs
- Provide authentic learning experiences
- Leverage your child's interest



Thank You



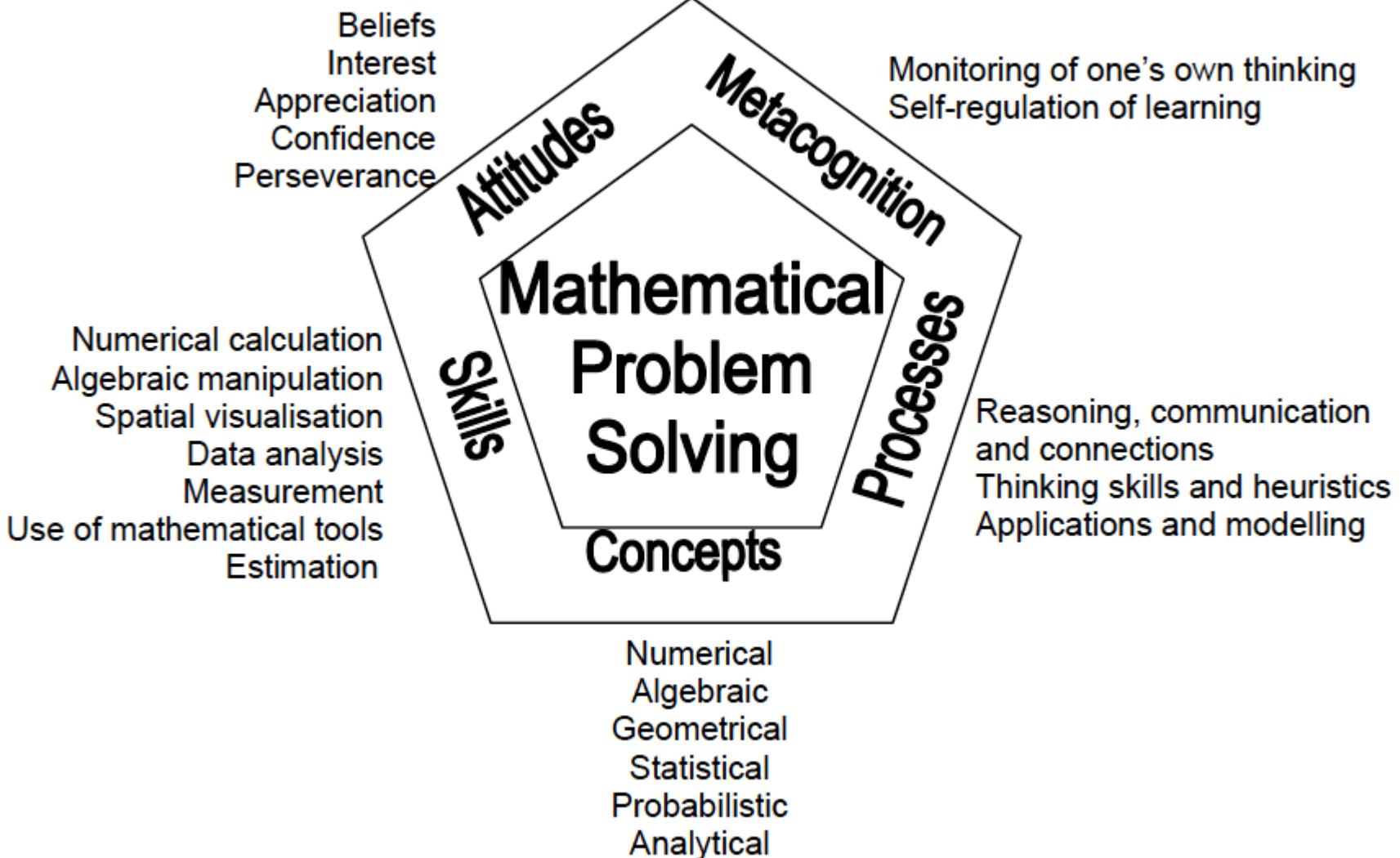
# MATHEMATICS

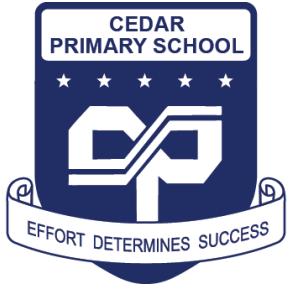
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**Primary 5**



# MOE Math Framework

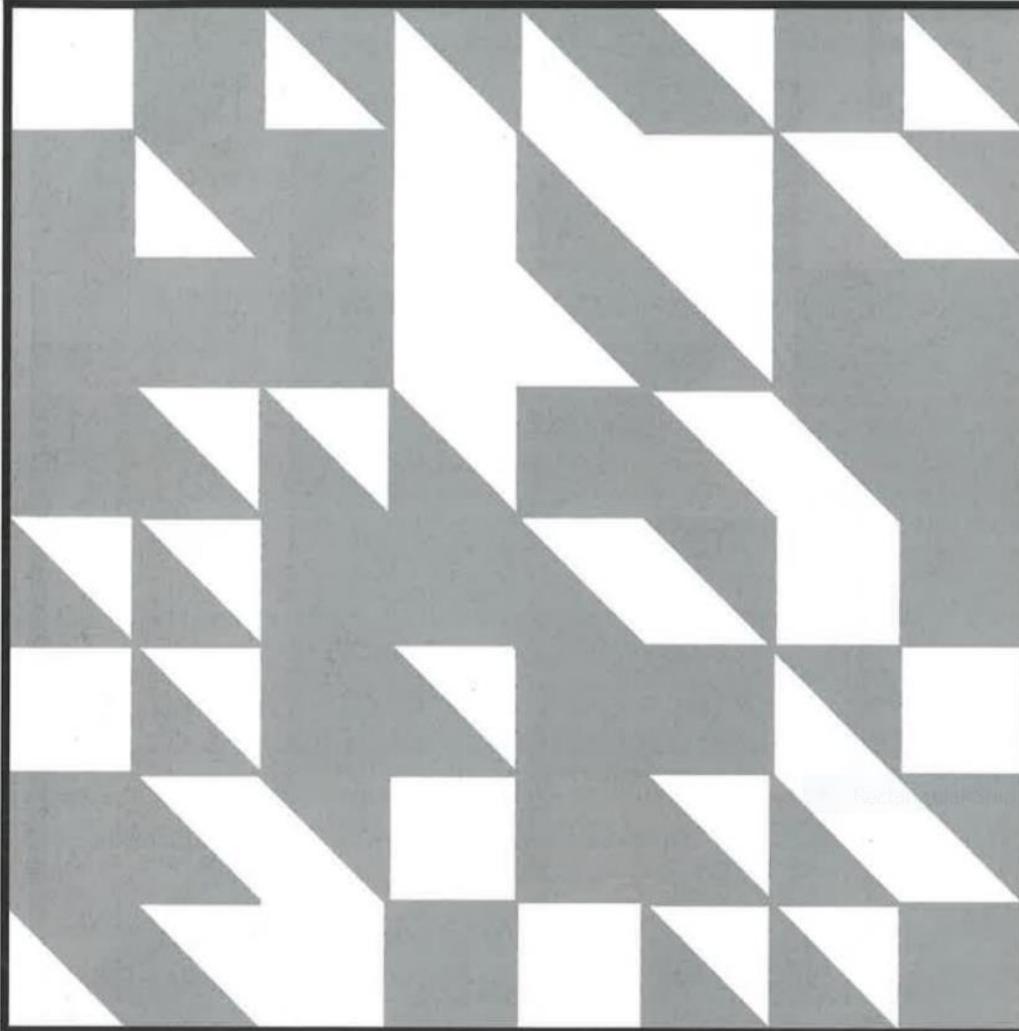




# Skills and Concepts

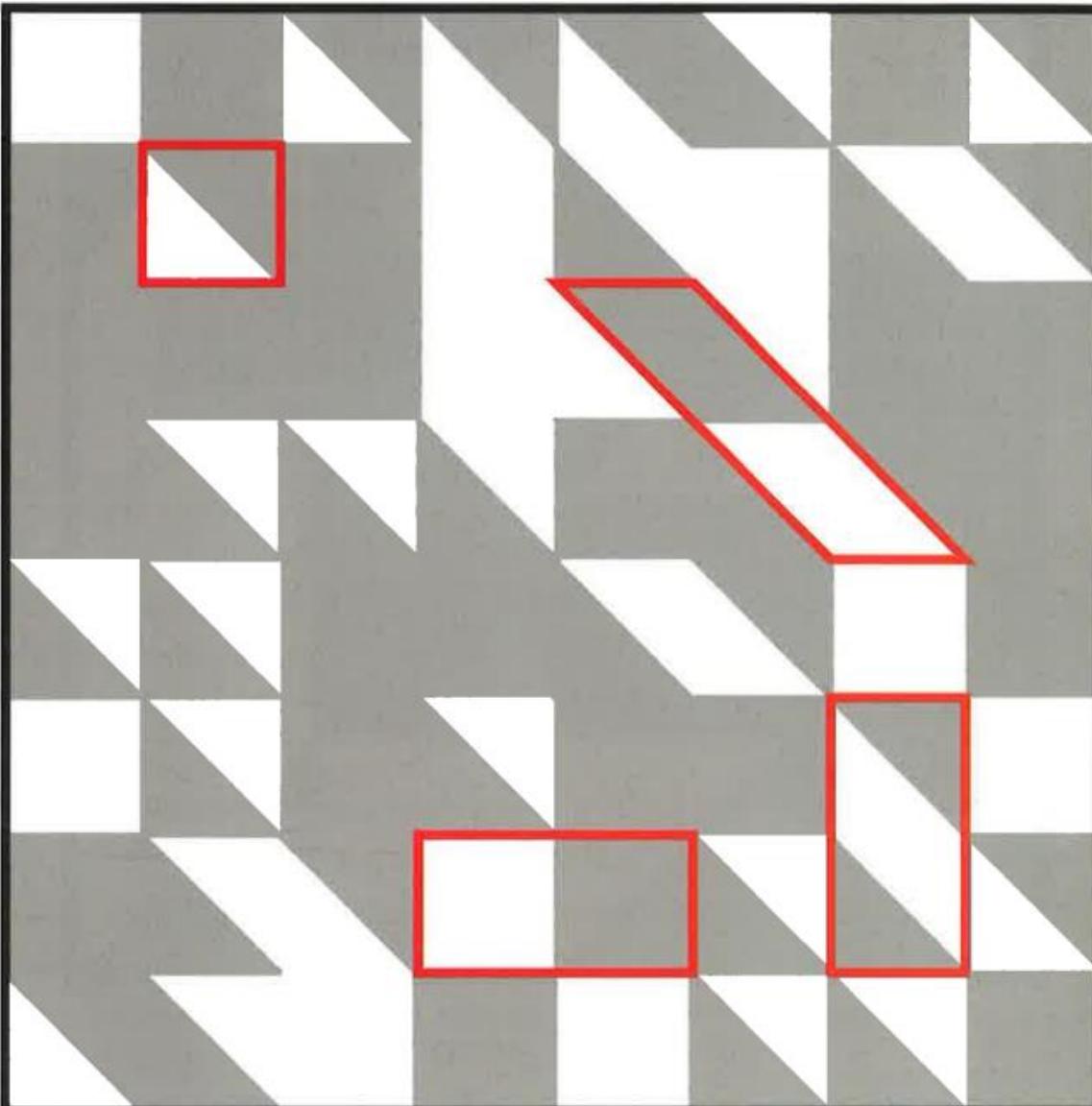


I Spy  $\frac{1}{2}$





# Skills and Concepts



A few examples of I Spy  $\frac{1}{2}$ . How many more can you find? Source: Image adapted from Shutterstock.com/sebos.



# Assessment - Format

School Values: Kindness, Integrity, Resilience, Responsibility, Creativity

**Primary 5  
Standard**

Paper 1 (45%) ***without use of a calculator***  
Booklet A – 15 Multiple Choice Questions (20%)  
Booklet B – 15 Short Answer Questions (25%)

Paper 2 (55%) ***with use of a calculator***  
5 Short Answer Questions (10%)  
12 Long Answer Questions (45%)



# Assessment - Format

School Values: Kindness, Integrity, Resilience, Responsibility, Creativity

**Primary 5  
Foundation**

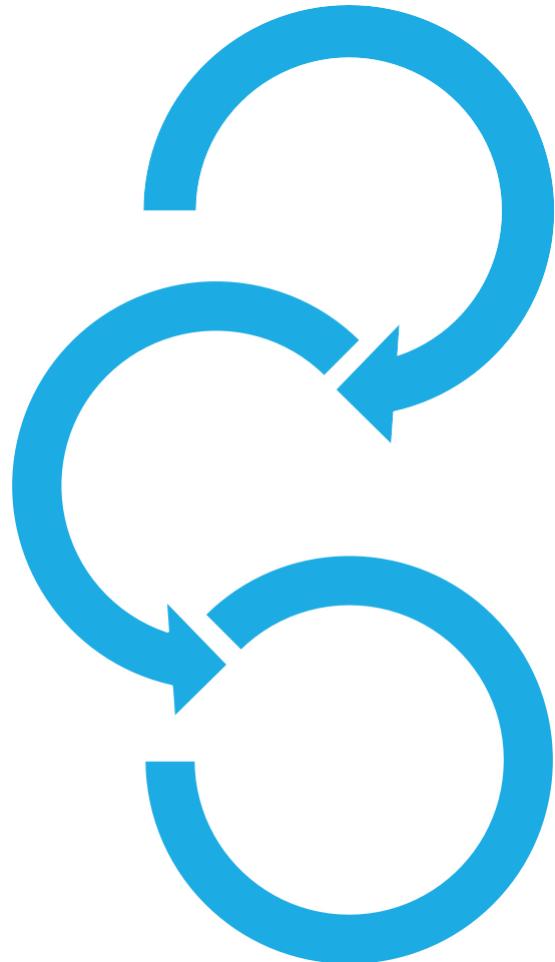
Paper 1 (50 marks) ***without use of a calculator***  
Booklet A – 20 Multiple Choice Questions (30)  
Booklet B – 10 Short Answer Questions (20)

Paper 2 (40 marks) ***with use of a calculator***  
10 Short Answer Questions (20)  
6 Long Answer Questions (20)



# Math Approach – Gradual Release of Responsibility

School Values: Kindness, Integrity, Resilience, Responsibility, Creativity



Teacher Demonstrates

Teacher/Students Do Together

Students Do Together

Students Try on Their Own (Apply)



# Supporting Your Child/Ward in Learning

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School Values: Kindness, Integrity, Resilience, Responsibility, Creativity

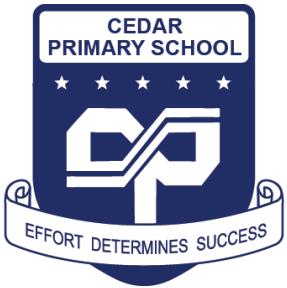
**A\*ttendance**

**A\*ctive Participation**

**A\*ttitude**

*Sense of Urgency. Focus. Self-Discipline. Effort Determines Success*

**A\*chievement**





# Supporting Your Child/Ward in Learning

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School Values: Kindness, Integrity, Resilience, Responsibility, Creativity

- \* ***Create routines***
- \* ***Communicate & Encourage***
- \* ***Celebrate improvement***



YOUR WORDS AS A  
PARENT HAVE GREAT  
POWER. USE THEM TO  
**SUPPORT**  
— & —  
**INSPIRE**



*Positive Parenting Quotes via Gecko & Fly*



Thank You



# MOTHER TONGUE LANGUAGES

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**Primary 5**



# PURPOSE & GOALS OF MTL LEARNING

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School Values: Kindness, Integrity, Resilience, Responsibility, Creativity

To support and enable every student to learn MTL to as high a level as each student is able to.

- **Communication** – proficiency and ability to communicate in MTL for the competitive edge
- **Culture** – understand and develop unique identity through deeper appreciation of culture, traditions, literature and history.
- **Connection** – to connect with communities across Asia and the people who speak that language and share that culture.



# PURPOSE & GOALS OF MTL LEARNING

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School Values: Kindness, Integrity, Resilience, Responsibility, Creativity

## Active and Interactive teaching and learning environment

Help students to like, learn and use their MTL as a living language, and produce proficient users who can communicate effectively in a variety of real-life settings.



# P5 STANDARD MOTHER TONGUE

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School Values: Kindness, Integrity, Resilience, Responsibility, Creativity

- Paper 1: Composition Writing (40 marks, 20%)
  - Duration: 50 min
  - Choose to do either 1 – Topical composition OR Picture composition
  - SEAB-approved dictionaries may be used during exam
- Paper 2: Language Use and Comprehension (90 marks, 45%)
  - Duration – 1 h 40 min
  - Booklets A and B
  - Dictionaries are not allowed during exam
- Paper 3: Listening Comprehension (20 marks, 10%)
- Paper 4: Oral (50 marks, 25%)
  - Read Aloud and Video Conversation



# P5 HIGHER MOTHER TONGUE

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School Values: Kindness, Integrity, Resilience, Responsibility, Creativity

- Paper 1: Composition Writing (40 marks, 40%)
  - Duration: 50min
  - Choose to do either 1 – Topical composition OR Continuous Writing
  - SEAB-approved dictionaries may be used during exam
- Paper 2: Language Use and Comprehension (60 marks, 60%)
  - Duration: 1 h 20 min
- Grading
  - Distinction: 80 – 100 marks
  - Merit: 65 – 79 marks
  - Pass: 50 – 64 marks
  - Ungraded – below 50 marks



# P5 HIGHER MOTHER TONGUE

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School Values: Kindness, Integrity, Resilience, Responsibility, Creativity

Current P5 higher MT students who fail to meet either of the requirements below, will NOT be offered Higher Mother Tongue at P6 next year:

- Achieve at least AL4 for standard MT at P5 End-of-Year Examination
- Achieve at least 50 marks for higher MT at P5 End-of-Year Examination



# P5 FOUNDATION MOTHER TONGUE

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School Values: Kindness, Integrity, Resilience, Responsibility, Creativity

- Paper 1: Language Use and Comprehension (15 marks, 15%)
  - Duration – 40 min
  - Dictionaries are not allowed during exam
- Paper 2: Oral (55 marks, 55%)
  - Reading Aloud and Video Conversation
- Paper 3: Listening Comprehension (30 marks, 30%)



# Partnering Parent/Guardian to Support the Child/Ward

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School Values: Kindness, Integrity, Resilience, Responsibility, Creativity

## Partnering You

We will:

- Inform you of your child's/ward's progress regularly
- Provide ideas and suggestions to support your child's/ward's learning, where necessary
- Share strategies to engage your child/ward in MTL learning at home in a fun and meaningful manner.



# Partnering Parent/Guardian to Support the Child/Ward

School Values: Kindness, Integrity, Resilience, Responsibility, Creativity

Do	Avoid
<ul style="list-style-type: none"><li>• Believe that your child can learn and wants to learn</li><li>• Encourage your child to learn MTL</li><li>• Praise your child for his/her good effort and progress</li><li>• Set incremental and achievable goals with your child</li><li>• Communicate with the school teacher regularly on your child's progress at home</li></ul>	<ul style="list-style-type: none"><li>• Placing excessive attention on marks</li><li>• Making comparison between your child and other children's achievement</li><li>• Doing school work for your child</li><li>• Giving impression that MTL is not important</li></ul>



# Partnering Parent/Guardian to Support the Child/Ward

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School Values: Kindness, Integrity, Resilience, Responsibility, Creativity

## Partnering You

You could:

- Speak to your child in MTL whenever possible
- Show interest in your child's MTL learning journey
- Learn with your child, learn from your child
- Have regular conversations with your child about his/her experience in class
- Use a variety of resources, e.g. physical and digital resources to extend your child's language and literacy skills in MTL
- Encourage and accompany your child to read books or watch suitable TV programmes in MTL
- Provide a print-rich environment – visit the library regularly, set up a reading corner at home



Thank You



# Science

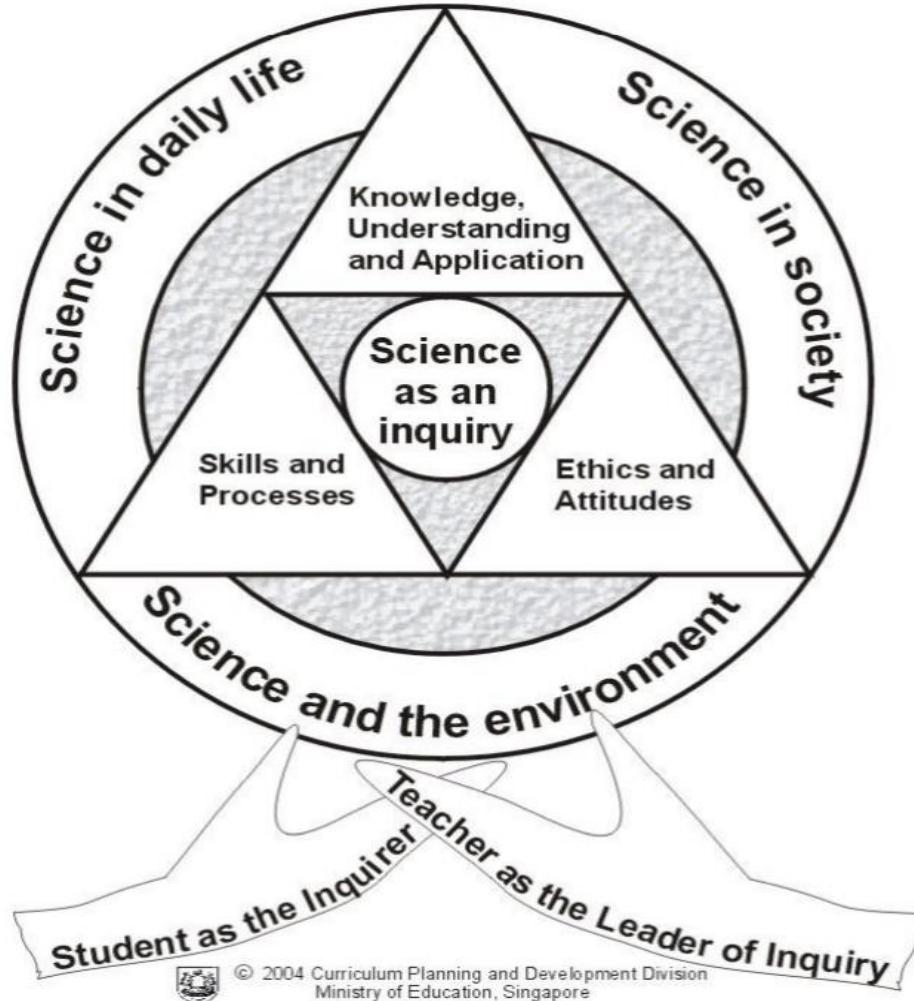
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**Primary 5**



# Science Curriculum Framework

School Values: Kindness, Integrity, Resilience, Responsibility, Creativity





# Science Syllabus – An Overview

School Values: Kindness, Integrity, Resilience, Responsibility, Creativity

Syllabus Requirement			White Space
Themes	* Lower Block (Primary 3 and 4)	**Upper Block (Primary 5 and 6)	The freed up curriculum time is to enable teachers to use more engaging teaching and learning approaches, and/or to implement customised school-based programmes as long as the aims of the syllabus are met. This enables teachers to make learning more meaningful and enjoyable for their students.
Diversity	<ul style="list-style-type: none"><li>Diversity of living and non-living things (General characteristics and classification)</li><li>Diversity of materials</li></ul>		
Cycles	<ul style="list-style-type: none"><li>Cycles in plants and animals (Life cycles)</li><li>Cycles in matter and water (Matter)</li></ul>	<ul style="list-style-type: none"><li>Cycles in plants and animals (Reproduction)</li><li>Cycles in matter and water (Water)</li></ul>	
Systems	<ul style="list-style-type: none"><li>Plant system (Plant parts and functions)</li><li>Human system (Digestive system)</li></ul>	<ul style="list-style-type: none"><li>Plant system (Respiratory and circulatory systems)</li><li>Human system (Respiratory and circulatory systems)</li><li><u>Cell system</u></li><li>Electrical system</li></ul>	
Interactions	<ul style="list-style-type: none"><li>Interaction of forces (Magnets)</li></ul>	<ul style="list-style-type: none"><li>Interaction of forces (Frictional force, gravitational force, <u>force in springs</u>)</li><li>Interaction within the environment</li></ul>	
Energy	<ul style="list-style-type: none"><li>Energy forms and uses (Light and heat)</li></ul>	<ul style="list-style-type: none"><li>Energy forms and uses (Photosynthesis) <a href="https://www.moe.gov.sg/primary/curriculum/syllabus">https://www.moe.gov.sg/primary/curriculum/syllabus</a></li><li><u>Energy conversion</u></li></ul>	



# P5 Standard Topics

School Values: Kindness, Integrity, Resilience, Responsibility, Creativity

Theme	Topics
System	Plant Transport System Air & Respiratory System The Circulatory System The Unit of Life Electrical System Using Electricity
Cycles	Reproduction in Plants Reproduction in Humans Water & Changes of State The Water Cycle



# P5 Foundation Topics

School Values: Kindness, Integrity, Resilience, Responsibility, Creativity

Theme	Topics
System	Plant Transport System Air & Respiratory System The Circulatory System Electrical System Using Electricity
Cycles	Reproduction in Plants Reproduction in Humans Water & Changes of State The Water Cycle



# Examination Format - Standard

School Values: Kindness, Integrity, Resilience, Responsibility, Creativity

The examination consists of one written paper comprising two booklets, Booklet A and Booklet B.

Booklet	Item type	Number of questions	Number of marks per question	Marks
A	Multiple –choice	28	2	56
B	Open-ended	12 - 13	2-5	44

- a) Booklet A consists of 28 multiple-choice questions with four options. Each multiple-choice question carries 2 marks.
  - b) Booklet B consists of 12-13 open-ended questions. Each open-ended question carries 2, 3, 4 or 5 marks.
- 
- Candidates are required to answer all the questions in the two booklets.
  - The duration of the paper is 1 hour 45 minutes.



# Examination Format - Foundation

School Values: Kindness, Integrity, Resilience, Responsibility, Creativity

The examination consists of one written paper comprising two booklets, Booklet A and Booklet B.

Booklet	Item type	Number of questions	Number of marks per question	Marks
A	Multiple –choice	18	2	36
B	Structured	6 – 7	2 – 3	14
	Open-ended	5 – 6	2 – 4	20

- a) Booklet A consists of 18 multiple-choice questions with three options. Each multiple-choice question carries 2 marks.
- b) Booklet B consists of two parts.
  - First part consists of 6 – 7 structured questions e.g. ‘Fill in the blanks’, ‘matching’, etc
  - Second part consists of 5 – 6 open-ended questions
- Candidates are required to answer all the questions in the two booklets.
- The duration of the paper is 1 hour 15 minutes.



# Answering Open-Ended Questions

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School Values: Kindness, Integrity, Resilience, Responsibility, Creativity

- Read and identify the key information given in the question
- Take note how the questions are phrased
- Identify the topic(s) that is/are tested
- Identify the concept(s) assessed under the topic(s)



# Example

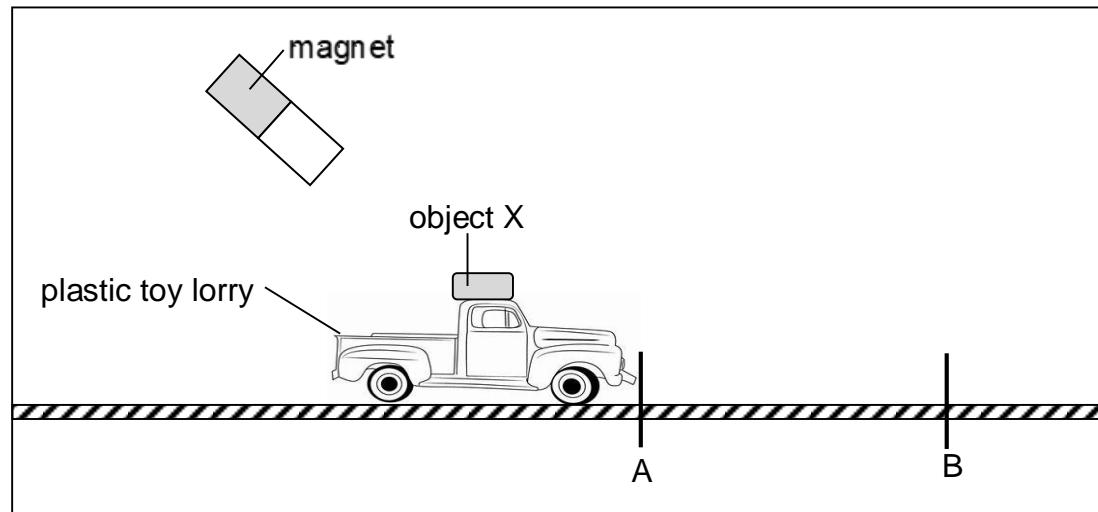
School Values: Kindness, Integrity, Resilience, Responsibility, Creativity

Wei Jie placed an object X on top of the plastic toy lorry as shown.

When he brought a magnet near the toy car, the plastic toy lorry began to move from position A to B.

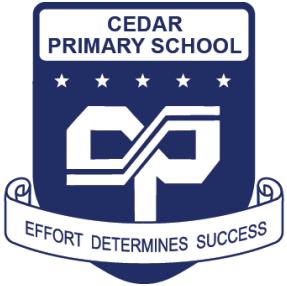
Why did the plastic toy lorry move away when the magnet was brought near it?

Like poles of the magnets repel each other causing the lorry to move away.  
(Incomplete Response)



**Topic:** Magnet

**Concept:** Like poles of two magnets repel each other



# Example

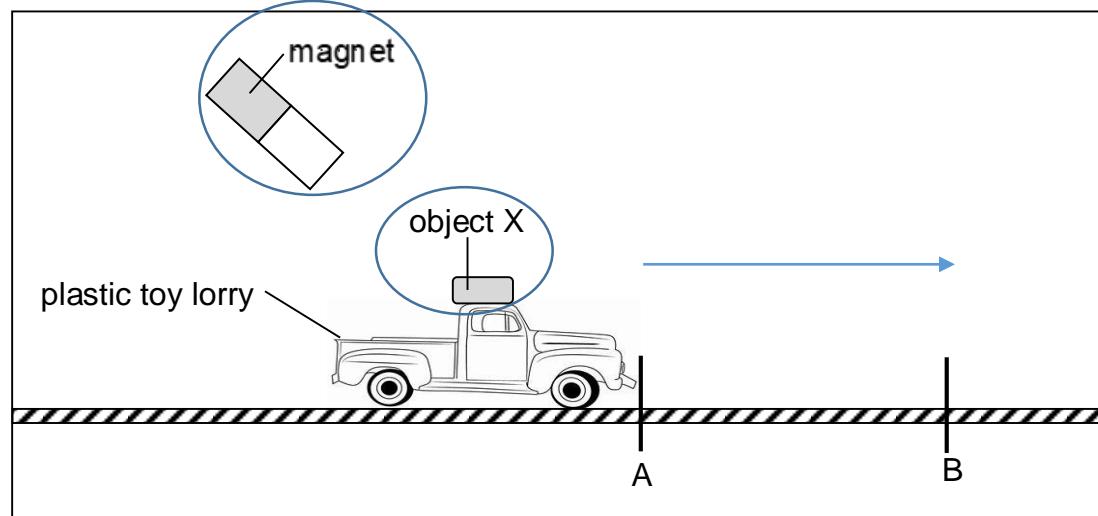
School Values: Kindness, Integrity, Resilience, Responsibility, Creativity

Wei Jie placed an object X on top of the plastic toy lorry as shown.

When he brought a magnet near the toy car, the plastic toy lorry began to move from position A to B.

Why did the plastic toy lorry move away when the magnet was brought near it?

Object X is a magnet and the like poles of the magnets repel each other causing the lorry to move away.



**Topic:** Magnet

**Concept:** Like poles of two magnets repel each other



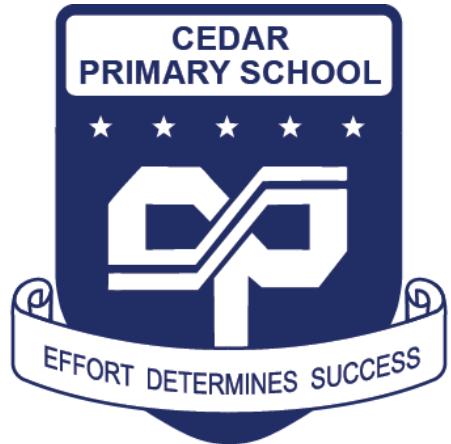
# Conceptual Understanding in Science

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School Values: Kindness, Integrity, Resilience, Responsibility, Creativity

- Students learn Science through understanding and applying concepts and skills in different contexts in an age-appropriate manner.
- The focus of learning Science is not on giving "standard answers" or keywords. Students can show their understanding by using their own words to explain clearly in the context of the question.
- To develop their conceptual understanding and love for the subject:
  - Explore Nature
  - Read Non-Fiction Books
  - Do Simple Science Experiments



Thank You