



How to guarantee an **A/A*** in PSLE?



Your Science A* checklist:

To start: Tick all the items that your child has tried

- ☐ Studied and memorised many guidebooks and resources
- ☐ Practised numerous sets of school examinations papers
- ☐ Drawn a great number of mind maps and concept maps
- ☐ Tried many tough qns that are beyond MOE syllabus

Alert! If your child has tried the above but could not see an improvement or breakthrough in his/her grades, the approach might not be right!

Since 2005, the scienceHeuristics™ LiSC® Science Mastery programme has helped thousands of students achieve outstanding PSLE Science Results. Over 85% of them accomplished Grades A and A*.

The scienceHeuristics Roadmap (to ace PSLE Science)

Step 1. UNDERSTAND Science

*[Understand, NOT memorise
Science concepts and topics]*

-> **LiSC® Concepts**



Step 2. THINK Science

*[Equipping the child with
Science Process skills]*

-> **LiSC® Processes & Skills**



Step 3: TALK Science

*[Empowering the child with a
powerful answering tool]*

-> **LiSC® Answering Technique**

Programmes explained:

LiSC® Concepts (Weekly - Jan to Nov)

Focuses on:

- **evaluating and consolidating** all Physical/Life Science knowledge and concepts from P3 to P6 syllabus;
- ensuring that content mastery is achieved through **understanding of knowledge and principles** instead of memorising of facts;
- **clarifying** concepts and content knowledge by summarising those in a simple schematic manner.

LiSC® Processes & Skills (Modules/Workshops)

Focuses on:

- **consolidating and fortifying** the four years of **processes & skills learnt**, applied in a test environment with topics inline with the syllabus requirements;
- teaching and equipping students with **essential templates** to answer process skills based examination questions;
- putting together the **commonly tested skills in PSLE**, such as Fair Test, Control and Variables Testing, Graph drawing, Procedure Writing...

LiSC® Answering Technique (Modules/Workshops)

Focuses on:

- empowering your child with the **higher order problem solving framework** to tackle complex and unfamiliar questions in PSLE;
- enabling students to **solve unfamiliar higher order questions** in PSLE Science using the **LiSC® Answering Technique** to effectively **link learnt concepts to unfamiliar situations**;
- **minimising loss of marks** due to incomplete, non-precise or inaccurate answers in PSLE Science Open-ended questions.

PSLE Science Requirements:

MOE assesses your child's science aptitude on two levels, with the following marks distribution:

- **40% Knowledge with Understanding.** Reproduce understanding of facts in both familiar and unfamiliar scenarios in the exams. Not mere memorising.
- **60% Application of knowledge and Process Skills.** Prolific lateral thinking and confident decision-making through the application of process skills learnt with the ability to analyse elements of diverse, often unfamiliar situations. Then generate and evaluate ideas and hypotheses based on knowledge previously acquired.

That's not all! Students must also communicate effectively – answer exam questions with complete Links, precise phrasing and accurately.

A higher-order question

(from a PSLE Science paper)

A leaf has both white and green parts. Isaac wants to find out if both parts photosynthesise. He cuts equal-sized portions from both parts, and places them in separate beakers of water. After 30 minutes of sunlight, the green portion rises to the top of the water, while the white portion remains at the bottom.

- Why did Isaac cut equal-sized portions from both parts of the leaf?
- Why did the green portion float while the white portion sink?

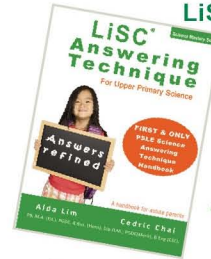
Can your child solve this in 5 minutes? Can you?

Clue: Think heuristics! Apply the proven LiSC Answering Technique!

About the LiSC® Science Mastery Series of books:

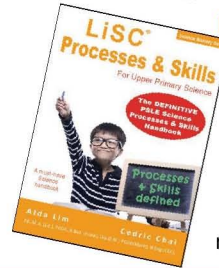
There are many guidebooks with 'tons' of factual information available for students to master their content and even those beyond the syllabus, but there is currently no guidebook that ***explicitly pin-point the approach to improve answering skills (technique).***

This series of books is the culmination of Alda and Cedric's years of research and experience in marking, teaching, guiding teachers and students in the differentiation of sound answers and questions, and is currently the ***First and Only*** series available to guide students and parents in the mastery of science processes & skills and answering techniques.



LiSC® Answering Technique Handbook - Your guide to perfect answers!

The ***first and only*** definitive Science answering technique handbook available in the market. A must-have for students and parents seeking to ***minimise loss of marks*** in open-ended questions due to ***incomplete, non-precise or inaccurate*** science answers. (First published 2010)



LiSC® Processes & Skills Handbook - Equipping for PSLE Success

Defines clearly and clarifies for students the required processes and skills in our current syllabus to ***tackle assessment and examination questions***. Covers integrated processes such as inference of pattern, fair test evaluation, analysing of variables and many more. (First published 2011)

About scienceHeuristics™

Cedric Chai and Alda Lim are the Principle Trainers at scienceHeuristics™. A decade's knowledge and experience garnered as former Science Heads of Department, PSLE Presiding Examiners and PSLE Science Assistant Supervisors for Marking practically renders Cedric and Alda experts in the requirements for scoring in PSLE Science. Riding on this, Cedric and Alda designed the scienceHeuristics™ LiSC Science Mastery programme to surpass most science programmes in the market. Their programme trains students not only in higher-order scientific skills, but also in response skills examiners expect of A* students.

Accolades and Recognition

Cedric Chai holds a Postgraduate Diploma in Education (Merit - National Institute of Education) and a Bachelor of Engineering (Civil and Structural - Nanyang Technological University). As a Head of Department for Science, Cedric was nominated for the President's Award for his outstanding performance and contributions to students' learning. He has been exclusively featured in several parenting and education related magazines as well as invited to speak at teaching and learning conferences.

Alda Lim holds a Master of Arts (Educational Management, NTU/NIE), a Postgraduate Diploma in Education (NIE), a Diploma in Departmental Management (NIE) and a Bachelor of Business (Honours - Nanyang Technological University). In 2009, she was awarded the Pingat Berkebolehan (PB) in recognition of her work in the education system. Alda has also been invited to attend several prestigious education and learning related overseas conferences.





Your New Science A* checklist:

To start: Tick all the items that your child has tried

- ☐ Consolidated knowledge with *Clear Conceptual Understanding*
- ☐ Clarified on the application of *Processes & Skills templates*
- ☐ To be able to *Link* learnt concepts to unfamiliar situations
- ☐ To be able to phrase answers in a *Complete, Precise and Accurate* manner

Congratulations! If your child has learnt and applied all the above items, he/she is on the way to getting an A / A* for PSLE science.

ScienceHeuristics™
Learn, Equip, Practise -
RIGHT!

Upcoming courses:

- . LiSC Concepts (weekly - Jan to Nov)
- . LiSC Processes & Skills (Modules & Workshops)
- . LiSC Answering Technique (Modules & Workshops)

Register NOW!

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