

ASPIRE HUB EDUCATION

A.C.E. Programme (Junior)

The A.C.E. Programme (Junior) is a customized June Holiday programme dedicated to giving students who are taking their PSLE a competitive edge over their peers.

PSLE Focused Revision

Using innovative learning resources specifically tailored towards the PSLE syllabus, it aims to reinforce your child's conceptual understanding of topics, increase his/her skills of identifying question types and improve his/her problem-solving abilities.

A unique set of comprehensive revision notes and cheat sheets will also be given for students to refer to during their crucial revision period, whereby an entire topic can be easily summarised into a sheet of paper.

Interactive Learning Component

Through interactive and hands-on sessions planned for every subject, students will not only be able to grasp the theoretical concepts behind common examination problems, it will also allow them to visualize the process, ensuring a more fulfilling and meaningful learning experience.

In collaboration with Elevo Coaching Pte Ltd, our sister company that specialises in school programmes, our guest trainer will be incorporating selected modules such as study skills and a motivational segment into the programme to equip students with all the necessary tools and mindset needed to ace their PSLE.

4-Day Programme

The programme timetable is planned in such a manner whereby effective learning can take place without the students losing focus over the course of 4 days. A hearty lunch will be provided on a daily basis to ensure that students have the energy to seize the day.

Timetable

Time	12 th June 17 (Mon)	13 th June 17 (Tue)	14 th June 17 (Wed)	15 th June 17 (Thu)
10-12pm	English Lesson 1	English Lesson 2	English Lesson 3	English Lesson 4
12-12.45pm	Lunch Break	Lunch Break	Lunch Break	Lunch Break
1-3pm	Math Lesson 1	Math Lesson 2	Math Lesson 3	Math Lesson 4
3-3.30pm	Study Skills	English Interactive	Math Interactive	Science Interactive
3.30-5.30pm	Science Lesson 1	Science Lesson 2	Science Lesson 3	Science Lesson 4
5.30-6pm	-	-	-	Motivational Segment

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Interactive Learning Component

Mathematics

The 3 main concepts covered are Constant Difference, Constant Total, and Constant Quantity.

First, Constant Difference concept is applicable when the problems deal with an equal quantity being transferred in or transferred out of the two variables concerned. This leaves the two variables with an equal increase or decrease in value.

Secondly, Constant Total concept is applicable when the problems deal with two variables transferring quantities to each other leaving the total unchanged.

Lastly, Constant Quantity concept is applicable when the problems deal with quantities being transferred in or transferred out of one of the two variables concerned. This leaves the other variable with its quantity unchanged.

Activity

To help students better appreciate and understand these concepts, we have interactive games and activities that involves real life application (money and sweets).

Science

Better understanding of structural and behavioural adaptation of plant and animals.

Activity

Real-life plants will be used to invoke the 5 different senses of touch, taste, smell, visual and hearing. Videos will also be used to showcase different animal behaviours that are rarely observed in our daily environment.

English

To expose students to challenging topics and content for the stimulus-based conversation component that might be tested in the PSLE through videos and improve their ability to express their personal response based on the given topics.

Activity

Students will be shown short videos on the topics given and split into groups for discussion of the questions based on the stimulus. They will then present their ideas based on their discussion. The best presentation will then win a prize at the end.

Elevo Coaching Modules

How Hungry Are You? (Study Skills) – Success in tons of discipline, The power of self-discipline and how to harness it

Is Your Belief in Shape (Motivational) – Beliefs shape reality, How do you form powerful beliefs?

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Mathematics

Learning Objectives

- To acquire new techniques on applying **step-by-step interpretation** to extract key information from each problem statement
- Learn what to look out for to get a **quicker understanding of the problem**
- **Strengthen the child's conceptual understanding** in the 5 core topics: **Whole Numbers, Fractions, Decimals and Ratio and Percentage**
- Educate the child on how to identify and tackle "must-know concepts" tested in the PSLE with our **easy-to-use strategies**
- Understand why each method is used and why it works. This will raise the chance of the child **transferring the knowledge gained to new and unfamiliar questions**
- Expose the child to several 'new-breed' questions, **pin-point the areas of focus in each, and give them the necessary techniques** to solve them. If students have not been exposed to such questions, they may spend too much time in the exam trying to work out the solutions
- Problem solving strategies covered:
 - Advance Model Drawing
 - Units and Parts
 - Remainder Branching Concept
 - Guess and Check & listing
 - Repeated Identity
 - External Unchanged
 - Total Unchanged
 - Constant Difference
 - Equal Fractions
 - Assumption Method

Lesson Breakdown

Lesson 1 Skills

- Equal Fractions concept
- Percentage Simultaneous concept when solving for 2 different subjects
- Assumption concept
- Fractions Remainder concept
- Whole Numbers Working Backwards
- One Subject Unchanged concept

Lesson 2 Skills

- Fraction All Subjects Changed concept (Units and Parts)
- Total Subjects changed concept
- Fractions Working Backwards
- Percentage Remainder concept
- Lowest Common Multiple
- Pattern

Lesson 3 Skills

- Fractions Simultaneous concept when solving for 2 different subjects
- Percentage more than and less than concept
- Equal fractions concept

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- Composite figures
- Fractions Remainder concept
- Ratio All Subjects changed concept (Units and Parts)

Lesson 4 Skills

- Fractions Working Backwards
- Assumption concept
- Model Drawing Working Backwards Concept
- Ratio Repeated Subject Concept
- Number x Value concept
- Double If concept
- Volume
- Speed

Science

Learning Objectives

Level 1 skills: Concept-Based

- Observation skills – Use of 5 senses to describe certain subject/event/occurrence
- Comparison skills – Questions on similarities and differences
- Categorising skills – Grouping of subjects with relevant characteristics
(definitions will be covered based on the questions covered)

Level 2 skills: Question Dissection

- Analysing skills – study of pattern/trend, understanding of data/graphs/context/tables
- Inferential skills – able to use evidence from the questions together with textbook knowledge to explain and elaborate reasoning for the possible outcomes
- Predicting – able to state the possible outcomes beyond the context of the questions using evidence from question and textbook knowledge

Level 3 skills: Thinking and Answer Presentation

- Process thinking skills – able to break down the thoughts into steps that leads to an outcome. (To help students think in a structured manner)
- Critical thinking skills – able to think out of the box, using their own knowledge and be Creative.
- Application question – able to apply their knowledge and answer in a structured manner and clear answering presentations

Objective of Lesson 1 & 2:

To be able to understand the Law of Physics and Chemistry, therefore able to interpret a possible hypothesis or explain the result of an experiment.

*Focus will be mainly on the 3 levels of skills explained above, so that students will be able to tackle PSLE Science Paper confidently and accurately

Objective of Lesson 3 & 4:

To be able to understand the Living Aspect of Life by studying the characteristics and behaviours of living things, therefore able to answer PSLE questions on Living Things.

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Lesson Breakdown

Lesson 1 & 2: Physical Science

- Questions that will be discussed will mainly be on non-living things.
- Material
- Matter
- Water cycle
- Electricity
- Energy
- Forces
- Man's impact on environment

Lesson 3 & 4: Life Science

- Questions that will be discussed will mainly be on Living things
- Animals
- Plants
- Fungi and Bacteria
- Human body systems
- Life cycles
- Cells
- Adaptations
- Living together

English

Learning Objectives

- Able to identify parts of speech (affects Grammar Cloze, Comprehension Cloze, S&T, Compo)
- Able to remember rules of SVA (affects grammar MCQ, Synthesis & Transformation)
- Remember different rules for Synthesis & Transformation
- Able to answer the different question types
- Able to identify different question types for comprehension
- Able to fulfil requirements for the different question types for comprehension
- Able to tackle any comprehension cloze through the identification of contextual clues
- Break down marking scheme
- Planning an essay
- How to improve writing style
- Able to think critically
- Trains students' fluency in writing
- Generation of content/ideas in a narrative

Lesson Breakdown

Lesson 1 - Parts of speech, Subject verb agreement

Lesson 2 - Synthesis and Transformation Skills

Lesson 3 - Comprehension Skills, Comprehension Cloze

Lesson 4 - Composition