



Sec 3 Subject Combinations Talk (*for Sec 2 Exp*)

1 MARCH 2023

Please scan the QR code
to access the digital
version of the Subject
Combination Booklet





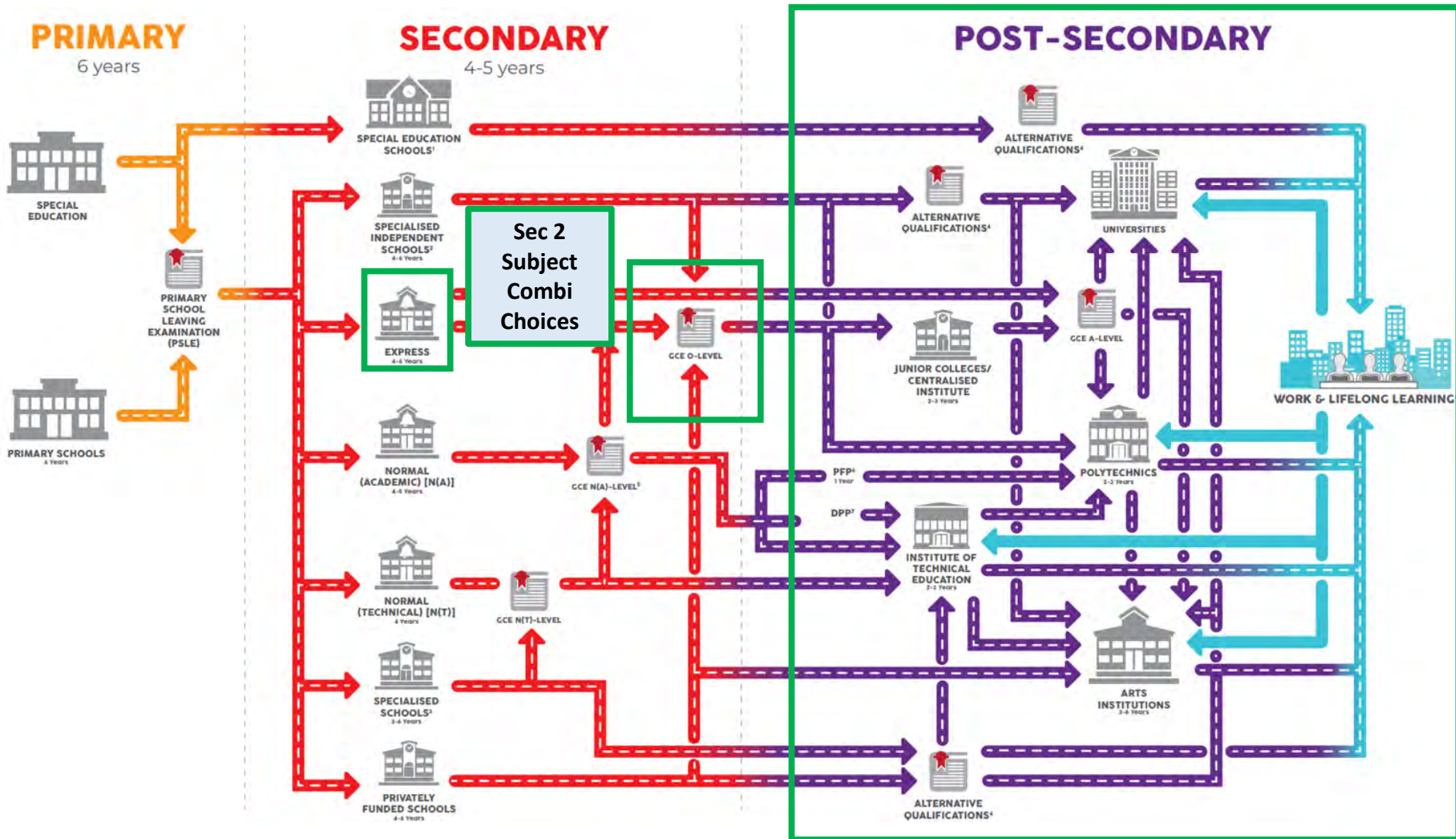
PROGRAMME OUTLINE (FOR 2E)

1. Principal's Address
2. Electives Sharing: **Pure Geography or History**
3. Electives Sharing: **Art**
4. Electives Sharing: **NFS**
5. Electives Sharing: **D&T**
6. Electives Sharing: **POA**
7. Electives Sharing: **Additional Mathematics**
8. Education and Career Guidance (ECG) Sharing
9. Q & A Segment

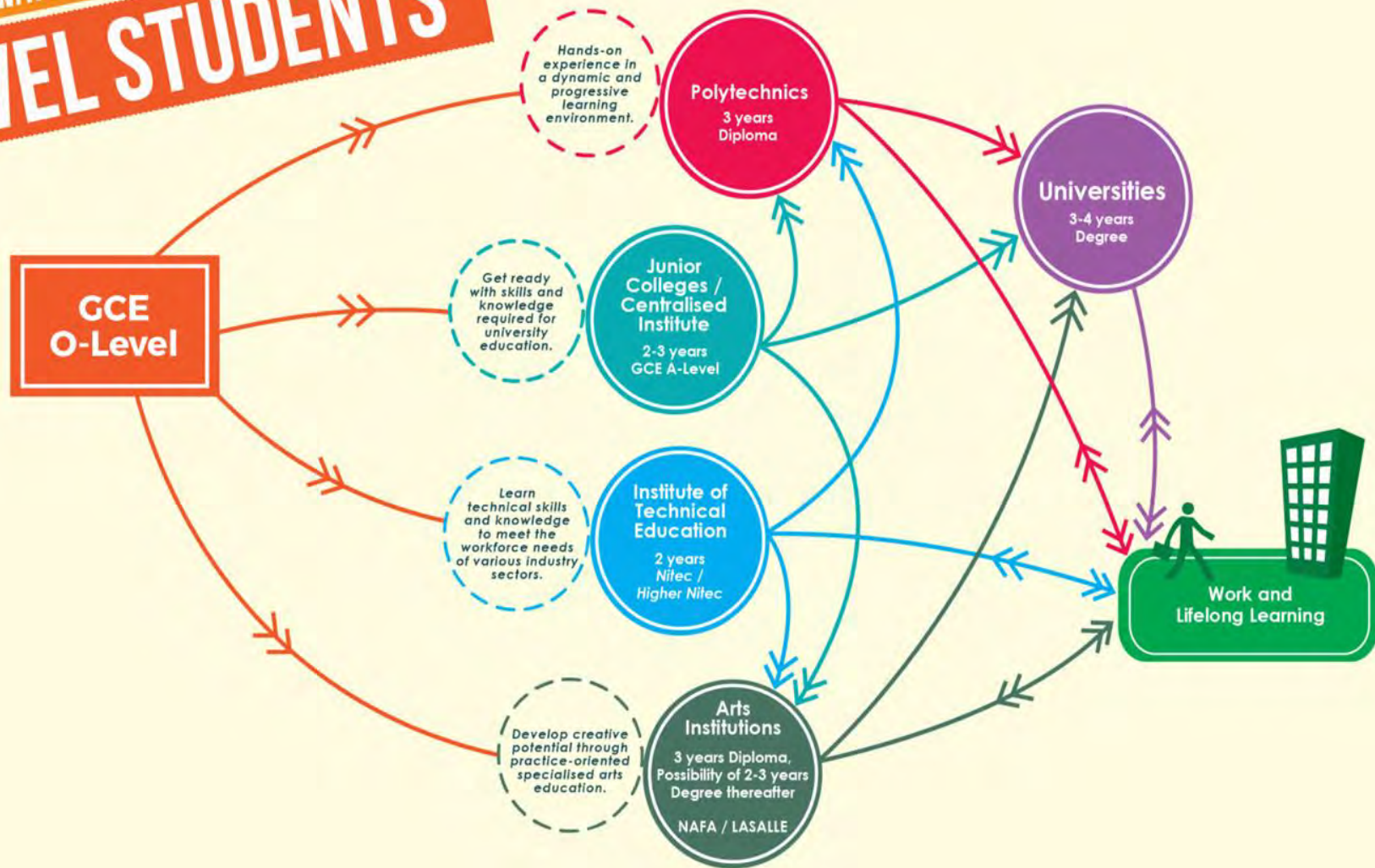


Address by Principal Mr Daniel Chung

Singapore's Education System:



MULTIPLE PATHWAYS FOR O-LEVEL STUDENTS



TRANSITING TO UPPER SECONDARY

Choosing the right subjects at the end of Secondary 2 is an important decision that needs to be **informed** and **tailored** to the child's **interests and aspirations**.





Parents
Class Mentors
Subject Teachers
IP HODs
Year Heads
ECG Counsellor
Industry Experts

**Knowing
the Child**





WHAT DO I NEED TO KNOW BEFORE I MAKE MY CHOICES?

- Factors to consider
- Subjects that are offered
- Criteria for subject combinations
- Process

FACTORS TO CONSIDER

- The child's **strengths, interests, aspirations** and **post-secondary options**
 - Results at Secondary 1 and 2
 - Qualitative feedback from teachers
- The subject combination chosen must equip the child with the **passion, self-confidence** and the **belief** to progress to more advanced levels after OPSS.

Subjects offered at Sec 3 Express

Compulsory Subjects:

- English Language
- Mother Tongue/ Higher Mother Tongue Language
- Elementary Mathematics
- Physical Education (PE)
- Character & Citizenship Education (CCE)

Subjects offered at Sec 3 Express

Subj 1	Subj 2	Subj 3	Subj 4	Subj 5	Subj 6	Subj 7	Subj 8
English Language	Mother Tongue Language	Humanities SS/Geo or SS/Hist or SS/Lit in EL	Elementary Mathematics	Chemistry or Science (Chem/Phy) or Science (Chem/Bio)	Biology or Physics or Principles of Accounts	Additional Mathematics or Art or Geography or History or Design and Technology or Nutrition and Food Science	Physics (conducted outside curriculum time)

SUBJECTS WITH ELIGIBILITY REQUIREMENTS (3 EXP)

To be eligible for	Criteria *Subject to changes
8-subjects combination	<ul style="list-style-type: none"> Mathematics (overall) $\geq 75\%$ Science (overall) $\geq 75\%$ Overall Sec 2 results $\geq 70\%$
Double Pure Sciences combination	<ul style="list-style-type: none"> Mathematics (overall) $\geq 70\%$ Science (overall) $\geq 70\%$ Overall Sec 2 results $\geq 65\%$
Additional Mathematics	<ul style="list-style-type: none"> Mathematics (overall) $\geq 70\%$
Pure Geography / Pure History	<ul style="list-style-type: none"> Geography (overall) $\geq 65\%$ History (overall) $\geq 65\%$ English (overall) $\geq 60\%$

Note: Subject percentile ranking is also taken into account in the streaming process

PROCESS

The allocation of subjects is based on the following:

- Students' choice(s)
- Students' **overall academic performance** at Secondary 2
- Eligibility requirements for certain subjects
- Teachers' recommendations
- Available resources

SUBJECT COMBINATION PROCESS

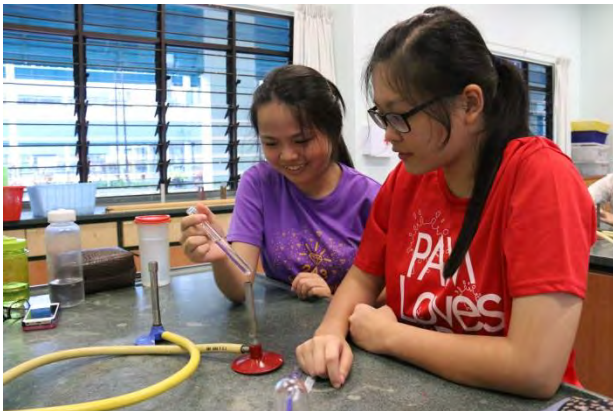
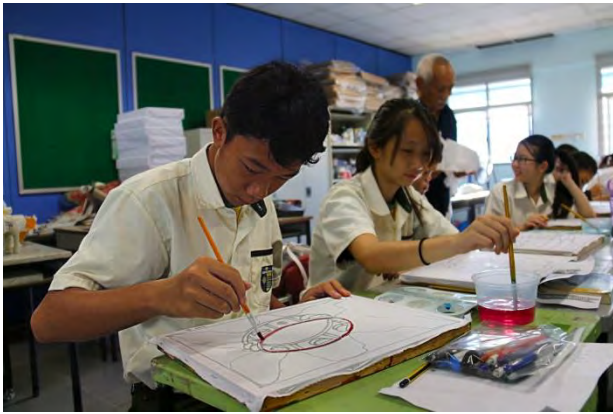
1	Subject Combi Talk for parents	1 March
2	Subject Exposure + Online interest survey for students	Mid-May
3	2 nd Talk for students	Mid-October
4	Actual: Submission of choices	End of October
5	Release of Subject Combination results	Early November
6	Appeals	Mid-November
7	Release of appeal results	End of November

GETTING YOUR CHOICE SUBJECT COMBINATION ...

✓ **Consistent hard work**

2E	Assessment Weighting (%)		Date
	Weighted Assessment 1 (WA1)	15%	Term 1
	WA2	15%	Term 2
	WA3	15%	Term 3
	AA	10%	Terms 1 - 3
	End-of-Year Exam	45%	Term 4

✓ **Selecting your combinations wisely**



4As to Success

Attendance

Apppearance

Attentiveness

Assignment



Leadership

Achievement

Participation

Service

- Recognition of Students' Co-Curricular Attainment
- Bonus points for admission (Post Secondary)
 - Excellent : 2 Bonus Points
 - Good: 1 Bonus Point
 - Fair: No Bonus Point



THANK
YOU



Sharing on Full Humanities - Geography & History

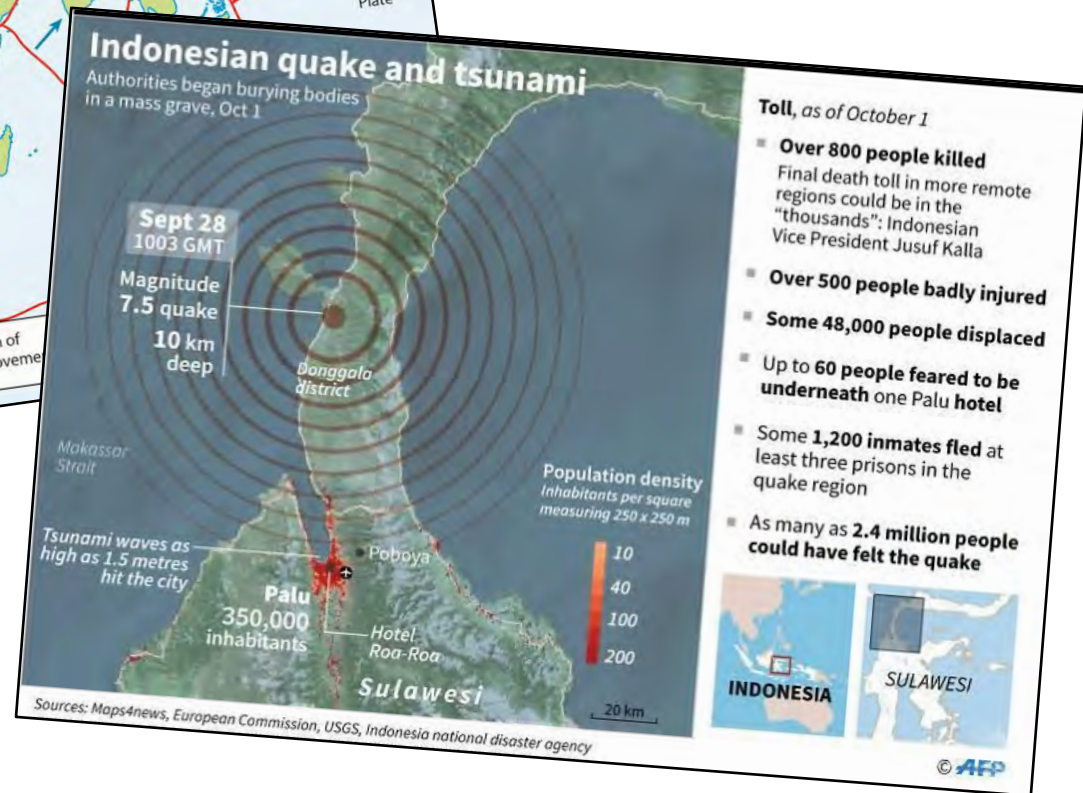
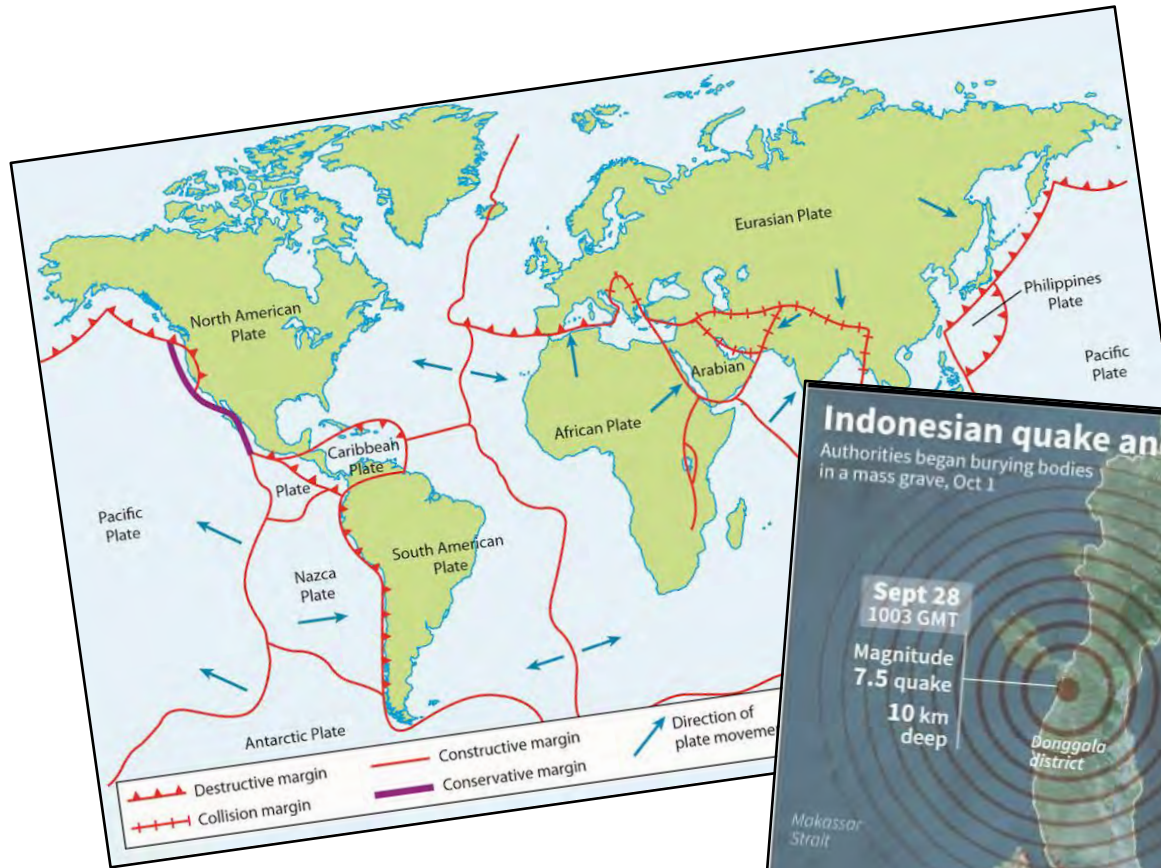


Full Geography

OVERVIEW OF 2023 USG SYLLABUS CONTENT

Content Clusters	Topic 1 Phenomena, Concepts	Topic 2 Implications, Impacts	Topic 3 Responses, Sustainable Development
Geography in Everyday Life Cluster Thinking Geographically Sustainable Development Geographical Methods			
Tourism Cluster	Tourism Activity	Tourism Development	Sustainable Tourism Development
Climate Cluster	Weather and Climate	Climate Change	Climate Action
Tectonics Cluster	Plate Tectonics	Earthquakes and Volcanoes	Disaster Risk Management
Singapore Cluster	Small Island, City-State	Opportunities and Challenges	Sustainable and Resilient Singapore

Tectonics Cluster



Climate Cluster



Tourism Cluster

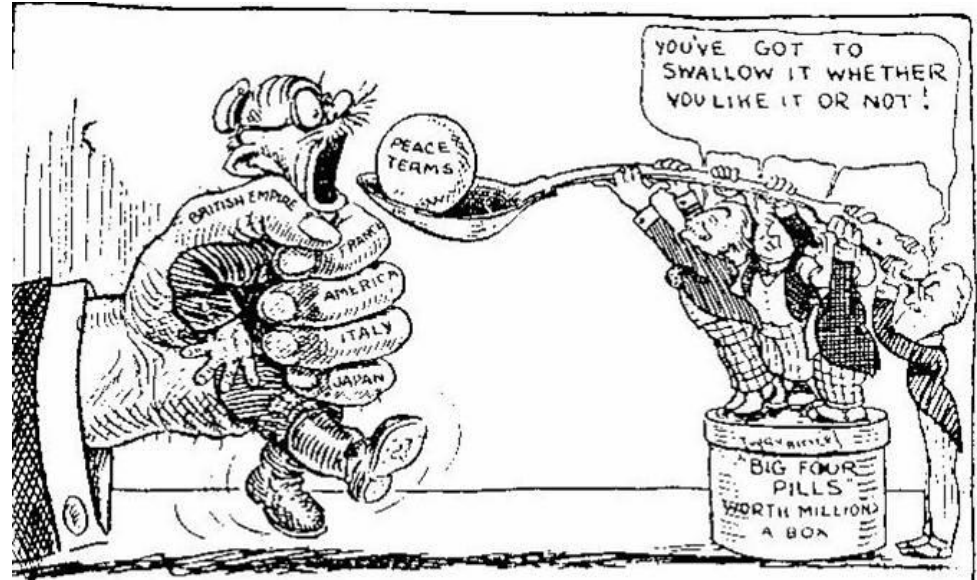


Full History

Unit 1				Unit 2			
Extension of European Control in Southeast Asia	After World War I (WWI)	Rise of Authoritarian Regimes	War in Europe and Asia	War in Europe and Asia	The Cold War	Decolonisation and Establishment of Newly-Independent Nations in Southeast Asia	End of Cold War, 1980s – 1991
<ul style="list-style-type: none"> • Case Study of British colonial rule in Malaya • Case Study of the extension of Dutch rule in Indonesia <p>OR</p> <ul style="list-style-type: none"> • Case Study of the extension of French rule in Vietnam 	<ul style="list-style-type: none"> • Overview of WWI [non-examinable] • Aims and terms of the Paris Peace Conference and its immediate impact on Europe in the 1920s 	<ul style="list-style-type: none"> • Overview of the world after WWI [non-examinable] • Case Study of Nazi Germany • Case Study of Militarist Japan 	<ul style="list-style-type: none"> • Outbreak of World War II (WWII) in Europe • Outbreak of WWII in Asia-Pacific 	<ul style="list-style-type: none"> • Reasons for the end of WWII in Europe and the Asia-Pacific 	<ul style="list-style-type: none"> • Origins of the Cold War in Europe • Case Study of the Korean War, 1950 – 1953 • Case Study of the Vietnam War, 1954 – 1975 	<ul style="list-style-type: none"> • Case Study of Decolonisation in Malaya, 1945 – 1957 • Case Study of Decolonisation in Indonesia, 1945 – 1949 <p>OR</p> <ul style="list-style-type: none"> • Case Study of Decolonisation in Vietnam, 1945 – 1954 	<ul style="list-style-type: none"> • End of the Cold War

Note: Highlighted topics are Source-based Case Studies. Topics in the orange boxes are new topics. 11

Full History Topics



What is double humanities in OPSS like?

Group 1

- Humanities (SS,Geo)
- Humanities (SS,His)
- Humanities (SS,Lit)

Group 2

- Full Geography
- Full History

Students have to choose **1 subject from each group**. However, if you pick Geog Elec in Group 1, you **cannot** pick Full Geog in Group 2. Same applies for History.

How do I know if my child should take Full Humanities at Upper Secondary?

- Understanding your child's **interest is key**. When your child is interested in the subject, he or she will be motivated to delve deeper.



HOW DOES OFFERING FULL GEOGRAPHY/HISTORY AFFECT MY CHILD'S POST-SECONDARY OPTIONS?



JC Admission (L1R5)

1. Have a gross L1R5 aggregate score of 20 and below. The L1R5 aggregate score is made up of the following subjects:

L1R5	Subjects
First Language (L1)	English/Higher Mother Tongue
Relevant Subject 1 (R1)	Humanities/Higher Art/Higher Music/Malay (Special Programme)/Chinese (Special Programme)/Bahasa Indonesia
Relevant Subject 2 (R2)	Mathematics/Science
Relevant Subject 3 (R3)	Humanities/Higher Art/Higher Music/Mathematics/Science/Malay (Special Programme)/Chinese (Special Programme)/Bahasa Indonesia
Relevant Subject 4 (R4)	Any GCE O-Level subjects (except Religious Knowledge)
Relevant Subject 5 (R5)	Any GCE O-Level subjects (except Religious Knowledge)

Humanities is a compulsory subject for admission to JC!

Polytechnic admission

- Polytechnic admission (ELR2B2)
- **Humanities** is considered as a **relevant** subject for business-related courses and humanities – related courses.

e.g.

Early Childhood Education	Hotel & Hospitality Management
Psychology Studies	Social Sciences (Social Work)
Mass Communication	Food & Beverage Business
Communications & Media Management	Hospitality & Tourism Management
Business Management	Banking & Finance

<https://www.tp.edu.sg/admissions/gce-o-level-aggregate-scores-computation>

		ELR2B2 : For Polytechnic Courses			
Aggregate Type		ELR2B2 -A	ELR2B2-B	ELR2B2-C	ELR2B2-D
EL		English			
R2	1st Group of Relevant Subjects	Art/Art & Design Business Studies Combined Humanities Commerce Commercial Studies Economics Geography Higher Art Higher Music History Humanities (Social Studies, Literature in English) Humanities (Social Studies, Literature in Chinese) Humanities (Social Studies, Literature in Malay) Humanities (Social Studies, Literature in Tamil) Humanities (Social Studies, History) Humanities (Social Studies, Geography) Intro to Enterprise Development Literature in English Literature in Chinese Literature in Malay Literature in Tamil Media Studies (English) Media Studies (Chinese) Music	Elementary Mathematics Additional Mathematics		

2nd Group of Relevant Subjects	Additional Mathematics Art/Art & Design Business Studies Chinese Combined Humanities Commerce Commercial Studies Creative 3D Animation Design & Technology Design Studies Economics Elementary Mathematics Food & Nutrition Geography Higher Art Higher Chinese Higher Malay Higher Music Higher Tamil History Humanities (Social Studies, Literature in English) Humanities (Social Studies, Literature in Chinese) Humanities (Social Studies, Literature in Malay) Humanities (Social Studies, Literature in Tamil) Humanities (Social Studies, History) Humanities (Social Studies, Geography) Intro to Enterprise Development Literature in English Literature in Chinese Literature in Malay Literature in Tamil Malay Media Studies (English) Media Studies (Chinese) Music Principles of Accounts Tamil	Art/Art & Design Business Studies Combined Humanities Commerce Commercial Studies Economics Geography Higher Art Higher Music History Humanities (Social Studies, Literature in English) Humanities (Social Studies, Literature in Chinese) Humanities (Social Studies, Literature in Malay) Humanities (Social Studies, Literature in Tamil) Humanities (Social Studies, History) Humanities (Social Studies, Geography) Intro to Enterprise Development Literature in English Literature in Chinese Literature in Malay Literature in Tamil Media Studies (English) Media Studies (Chinese) Music Principles of Accounts	Add ⁿ Combined Science Additional Science Biology Biotechnology Chemistry Combined Science Computing/Computer Studies Creative 3D Animation Design & Technology Food & Nutrition Electronics/Fundamentals of Electronics General Science Human & Social Biology Integrated Science Physics/Engineering Science Science (Chem, Bio) Science (Phy, Bio) Science (Phy,Chem)/ Physical Science Science (Phy, Chem, Bio)	Add ⁿ Combined Science Additional Science Art/Art & Design Biology Biotechnology Chemistry Combined Science Computing/Computer Studies Creative 3D Animation Design & Technology Design Studies Food & Nutrition Electronics/Fundamentals of Electronics General Science Higher Art Human & Social Biology Integrated Science Media Studies (English) Media Studies (Chinese) Physics/Engineering Science Science (Chem, Bio) Science (Phy, Bio) Science (Phy, Chem)/Physical Science Science (Phy, Chem, Bio)
B2	Best 2 other subjects			

What can my child do with Geography?

- **Possible careers:**
 - Urban planning
 - Environmental consultancy
 - Tourism
 - Education
 - Finance and banking sectors.

How can I support my child?

- Bring your child's attention to news on developments in the natural environment or countries.
 - Encourage your child to bring up what he or she is learning in Geography.
 - Discuss how he or she feels about the news.
 - Talk about ways that we can help improve the situation for people, the natural environment or the affected place.
- Visit nature parks or nature reserves as part of your family outings.

What can my child do with History?

- **Possible careers:**
 - Diplomacy and foreign relations
 - Public policy
 - Legal services
 - Education
 - Journalism

How can I support my child?

- Discuss current affairs
 - Encourage your child to read up about the historical developments that contributed to these current-day issues.
- Visit museums and historical sites

thank
you!

Elective Sharing on Art

Upper Secondary Art

Art as “O”
Level Subject

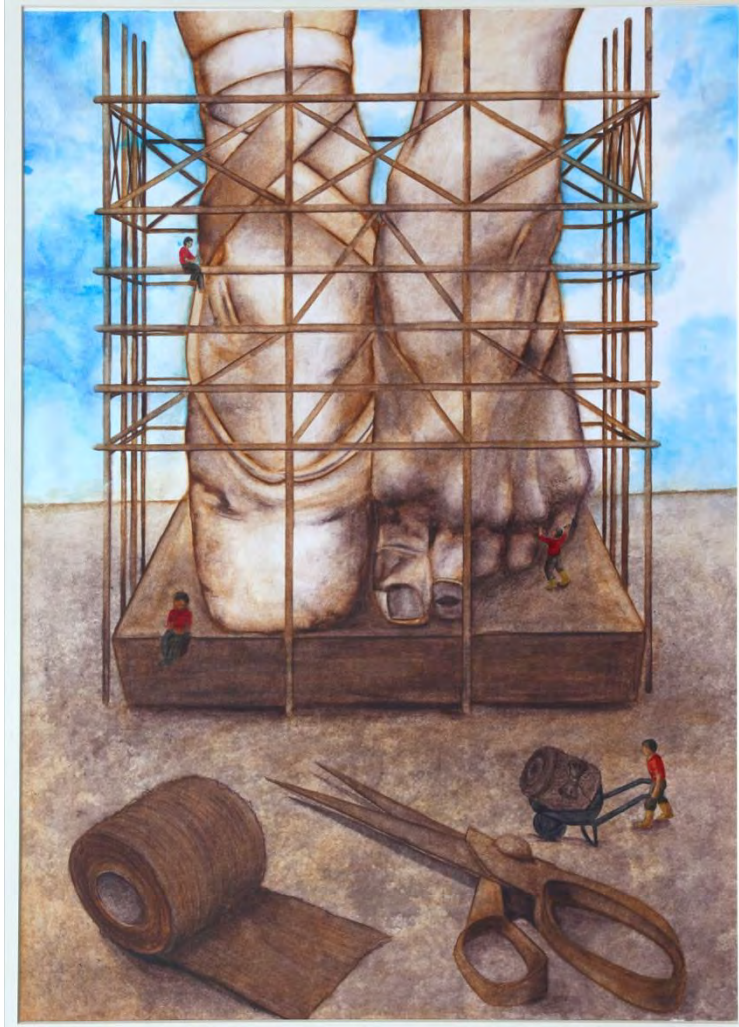
Overview of O Upper Sec Art

- ❑ What do you learn?
- ❑ What is being measured (assessed)?
- ❑ How much is expected?
- ❑ **Pathways from “O” Level Art**

What do you get to learn?

- ❑ Dry Medium (Pencil / Colour pencil / Charcoal)
- ❑ Painting (Watercolour / Oil / Acrylic / Digital)
- ❑ Batik Painting
- ❑ Intermediate to Advanced illustration skills, to be applied in:
 - Fashion / Costume illustration
 - Narrative illustration

0 level illustrations



What will be provided to help you learn?

❑ Equipment

- DSLR Cameras, computer, illustration sensor tablets, iPad pro (procreate app)

❑ Materials

- 72-Colour pencils, pastels, charcoal
- Watercolour, acrylic, oil paint
- Illustration markers
- Art, Design, Illustration Books



How Much Is Expected?

5 periods per week + remedial

? Coursework (60%)

- Done over 7 months
- CONSISTENT effort (no last minute)

? Paper 2 Drawing & painting (40%)

- Question / theme given 21 days before exam
- 3-hour paper

? **OR** Paper 3: SOVA (40%)

- Syllabus – 24 artists(2 artworks each)
- 2-hour paper (Written paper)

Consistency and Commitment



Sample of a SOVA exam question:



Artist and Model by Liu Kang
1954, Oil on canvas, 84 x 124 cm



Workers in a Canteen by Chia Mia Tee
1974, Oil on canvas, 89 x 126 cm

- a) *Describe the people, activities and environment depicted in these two paintings*
- b) *Compare the use of colour and light*
- c) *How differently are the people portrayed?*

Pathways from “O” level Art

- ❑ Before O level – DPA, DSA (JC)
 - May – July in Sec 4 Year
- ❑ Poly/ JC / SOTA Year 11 & 12
 - Design-based courses
- ❑ Fine Art Institutions
 - Fine Arts, Design-based courses
- ❑ NTU (School of Art, Design & Media)

Elective Sharing on Design & Technology and Nutrition & Food Science



Aims:

- ❖ Acquire knowledge and skills to make informed decisions concerning food and nutrition.
- ❖ Learn the principles of Food Science.
- ❖ Develop the following:
 - ✓ Concepts of Nutrition and Meal Planning
 - ✓ Understanding of the link between diet and health

Subject Content:



- ❖ 1. Nutrition & Health
 - ✓ Nutrients, Diet & Health
 - ✓ Energy Balance
 - ✓ Meal Planning & Meal Analysis
- ❖ 2. Food Literacy
 - ✓ Main food commodities, food labels.
- ❖ 3. Food Science
 - ✓ Food Preparation & Cooking (Science, reactions)
 - ✓ Evaluation of food.

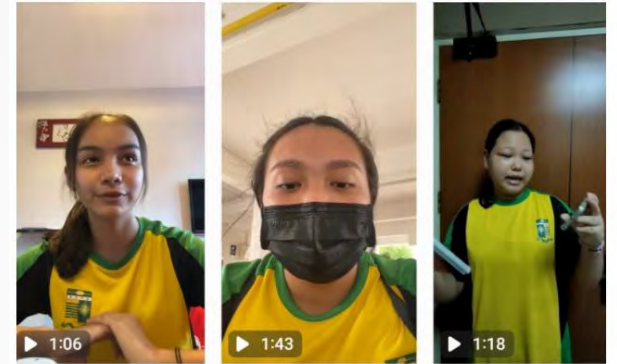
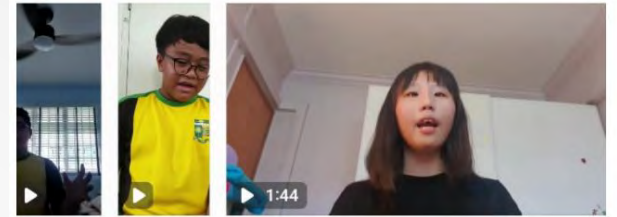
6097 'O' Level Assessment:

Paper	Assessment	Duration	Weighting
1	Written Paper	2 hours	40%
2	Coursework	6-7 months	60%



What do we do in class?

Theory Lessons



What do we do in class?

Practical Lessons



What do we do in class? Food Science Experiments



Demands of Nutrition & Food Science:



**Regular &
consistent work**

**Time Management
skills.**



❖ ICT skills is a bonus

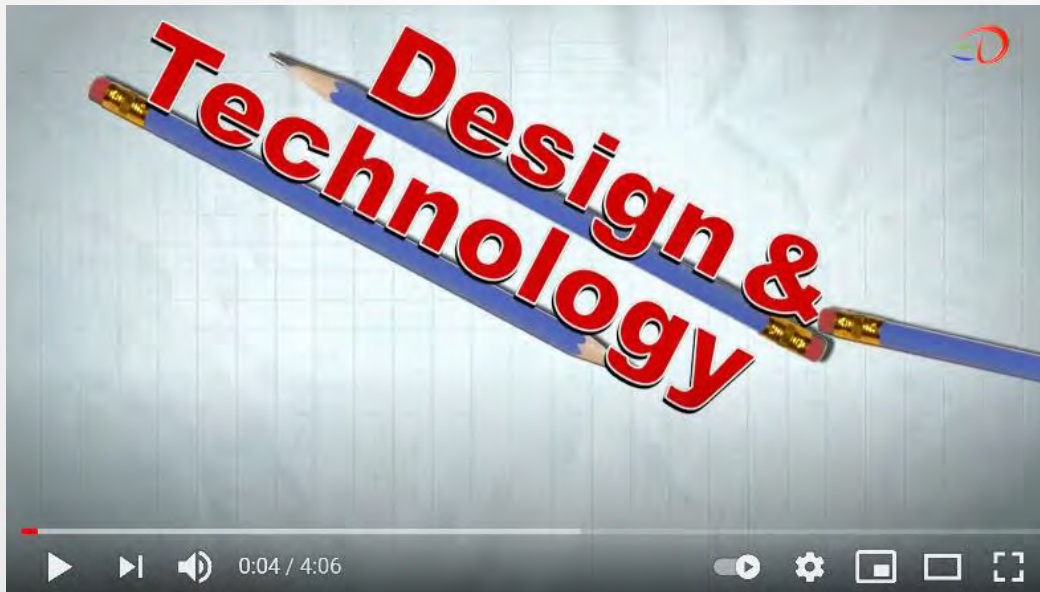
Possible Progression:

- ❖ JC – L1R5
 - ✓ One of the R5 subject
- ❖ Polytechnics – EL R2 B2
 - ✓ Health Sciences
(Nursing, Optometry, Health Services Management, Sports and Exercise Sciences, Perfumery and Cosmetic Science, etc)
 - ✓ Applied Sciences
(Chemical & Pharmaceutical Technology, Pharmaceutical Sciences, Biomedical Science, Molecular Biotechnology, Baking & Culinary Science, etc)



What is Design & Technology?

- ❖ A video containing a brief introduction on the subject 'Design & Technology' can be viewed at <https://www.youtube.com/watch?v=nIjmGVWUnDU>





Aims:

- ❖ Develop '**Design**' related dispositions.
 - ✓ Empathy, sensitivity, embrace complexities.
- ❖ Foster **positive values**
 - ✓ Confidence, tenacity, pride
- ❖ Cultivate the following:
 - ✓ **Creative, critical** and **reflective** thinking
 - ✓ **Decision making** skills

Subject Content:



CONTENT

- ❖ Section A: Knowledge with understanding.
 - ✓ Understand, apply design process.
 - ✓ Project Management
- ❖ Section B: Design Thinking Skills.
 - ✓ Generate ideas
 - ✓ Research, analyse info for decision making.
- ❖ Section C: Design Manipulating skills.
 - ✓ Sketch, build mock-ups to explore ideas.
 - ✓ Prototype design solution.

'O' Level Assessment:

Paper	Assessment Mode	Duration	Weighting
1	Written Paper	2 hrs	40%
2	Design Project	22 wks	60%



Design Project:

1) Design Journal

- Design process
- Research, ideation, mock-ups

2) Presentation Boards

- Communicate proposed design solution

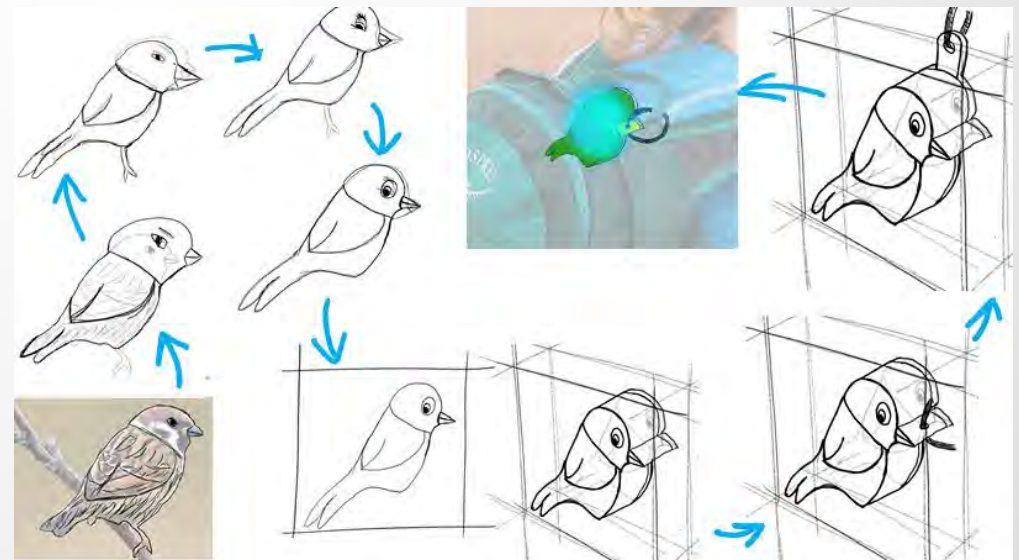
3) Prototype



**2019 D&T Awards
Creative Innovation Award**



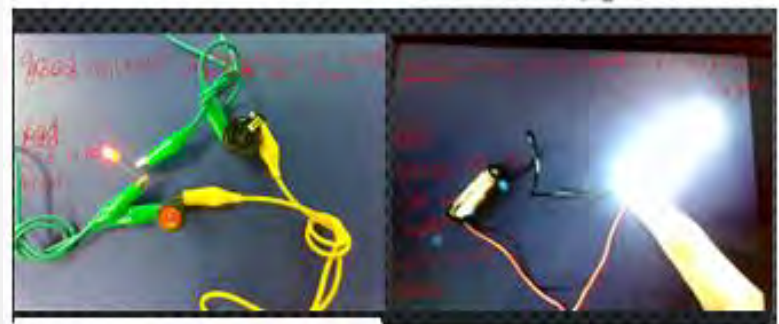
Ideation



Mock-ups & Testing



Testing, tinkering



Demands of D&T:

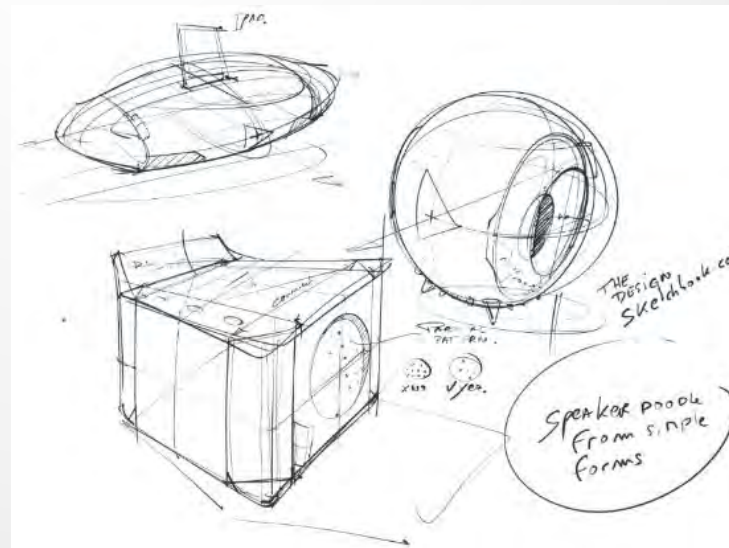
**Time
Management
skills.**



**Regular &
consistent work**



Sketching skills



Possible Progression:

- ❖ JC – L1R5
 - ✓ One of the R5 subject
- ❖ Polytechnics – EL R2 B2
 - ✓ Engineering related courses
(Aerospace, electrical, electronics,
Civil, Marine, mechanical, etc.)
 - ✓ Technology related courses,
 - ✓ Aerospace,
 - ✓ Build Environment (Hotel & Leisure Facility Mangt, etc)
 - ✓ Maritime Studies,
 - ✓ Applied Sciences (Biomedical sciences, etc)



Elective Sharing on Principles of Accounts (POA)

The background of the slide is a collage of Euro currency. In the top left, there is a red 5 Euro banknote and a blue 10 Euro banknote. Several Euro coins are scattered around, including a 1 Euro coin, a 2 Euro coin, and a 5 Euro coin. The word 'Objectives' is written in a large, orange, sans-serif font, centered in the upper half of the slide.

Objectives

- 1) Introduction to Principles of Accounts (POA)
- 2) Assessment for O Levels
- 3) Advancement
- 4) Fun activities for POA students



Introduction to POA

- Accounting principles
- It involves the recording and processing of business transactions, and communicating the information to stakeholders.
- To evaluate business performance and facilitate decision-making.

Principles of Accounts

- You will be taught relevant accounting knowledge and skills.
 - Applying the **double entry system** of recording business transactions
 - Synthesis and presentation skills in the **preparation of accounting information** in a suitable form
 - **Analytical skill** in interpreting, analyzing financial statements



Principles of Accounts

- You will learn and understand how businesses use accounting and non-accounting information to make decisions.
 - **decision-making skill** in evaluating choices using both accounting and non-accounting information.



Principles of Accounts

- You will acquire transferrable skills that you can apply in your daily lives.
 - being **logical, methodical, consistent and accurate**
 - develop values such as **integrity, objectivity and social responsibility**





Assessment (O Level)

SCHEME OF ASSESSMENT

There are *two compulsory papers*.

	Details	Weighting	Duration
Paper 1	Answer 3 to 4 compulsory structured questions. (40 marks)	40%	1 hour
Paper 2	<div>Answer 4 compulsory structured questions. (60 marks)</div> <ul style="list-style-type: none">• One question requires the preparation of financial statements for a business for one financial year. (20 marks)• A scenario-based question (7 marks) will be part of one of the 3 remaining questions.	60%	2 hours

Candidates will write their answers on the question paper in **Paper 1**. For **Paper 2**, candidates will write their answers on the generic answer booklet provided.

Principles of Accounts

It involves more than just numbers and calculations!

Definitions

Accounting
terms

Concepts

Application

Business knowledge

Formats

Formulae

Analysis and Evaluation

LEARNING A NEW LANGUAGE

- Language of business
 - How to communicate financial information of a business to the users of the information
- You will be learning
 - new terms
 - various formats for recording and reporting
 - How to analyse and interpret financial information



ACCOUNTING TERMS (EXAMPLES)

Statement of financial position		Statement of financial performance
<u>Current assets</u>	<u>Current liabilities</u>	Sales revenue
Inventory	Trade payables	Cost of sales
Other receivables / Prepaid expenses / Income receivables	Expenses payable / Income received in advance	Gross profit
Trade receivables	Bank overdraft	Other income
Allowance for impairment of trade receivables	Current portion of long-term borrowings	Interest expense
Cash at bank / Cash in hand	Dividends payable	Impairment loss on trade receivables
<u>Non-current assets</u>	<u>Non-current liabilities</u>	
Land	Long-term borrowings	Gain/loss on sale of non-current assets
Property		
Plant and equipment	<u>Equity</u>	Profit/loss for the year
Fixtures and fittings	Capital / Issued share capital	
Accumulated depreciation	Retained earnings	



FORMATS

Journal entries

Journal			
Date	Particulars	Debit	Credit
20X1		\$	\$
Feb 5	Drawings	120	
	Cash in hand		120
	Withdrawal by owner of \$120 for personal use		
Feb 12	Inventory	1,000	
	Trade payable — TeeShirts		1,000
	Purchased goods of \$1,000 from TeeShirts on credit		
Feb 22	Trade payable — TeeShirts	400	
	Inventory		400
	Returned goods of \$400 to credit supplier, TeeShirts		
Feb 28	Trade payable — TeeShirts	600	
	Cash at bank		600
	Payment of \$600 by cheque to credit supplier, TeeShirts		

Ledger account

Inventory account				
Date	Particulars	Debit	Credit	Balance
20X1		\$	\$	\$
Dec 1	Balance b/d			2,500 Dr
5	Trade payable	11,200		13,700 Dr
7	Trade payable		1,200	12,500 Dr
10	Cost of sales		8,600	3,900 Dr
15	Cash at bank	7,800		11,700 Dr
19	Cost of sales		6,800	4,900 Dr
22	Cost of sales	800		5,700 Dr
31	Impairment loss on inventory		700	5,000 Dr



FORMATS

Statement of Financial Performance

Name of Business			
Statement of Financial Performance for the year ended...			
	\$	\$	
Sales revenue	xxxx		
less: Sales returns	<u>xxxx</u>		
Net sales revenue		xxxx	
less: Cost of sales		<u>xxxx</u>	
Gross profit		xxxx	
Other income			
Commission income	xxxx		
Discount received	xxxx		
Gain on sale of non-current assets ¹	xxxx		
Rent income	<u>xxxx</u>	xxxx	
less: Other expenses ³			
Impairment loss on trade receivables	xxxx		
Depreciation of fixtures and fittings ²	xxxx		
Depreciation of office equipment ²	xxxx		
Depreciation of motor vehicles ²	xxxx		
Interest	xxxx		
Insurance	xxxx		
Loss on sale of non-current assets ¹	xxxx		
Motor vehicle expenses	xxxx		
Office expenses	xxxx		
Rent and rates	xxxx		
Wages and salaries	<u>xxxx</u>	<u>xxxx</u>	
Profit for the year		<u>xxxx</u>	

Statement of Financial position

Name of Business			
Statement of Financial Position as at ...			
	\$	\$	\$
Assets			
<u>Non-current assets</u>	<u>Cost</u>	<u>Accumulated depreciation</u>	<u>Net book value</u>
Property	xxxx	xxxx	xxxx
Fixtures and fittings	xxxx	xxxx	xxxx
Office equipment	xxxx	xxxx	xxxx
Motor vehicles	<u>xxxx</u>	<u>xxxx</u>	<u>xxxx</u>
			xxxx
<u>Current assets</u>			
Inventory		xxxx	
Trade receivables	xxxx		
less: Allowance for impairment of trade receivables	<u>xxxx</u>	xxxx	
Other receivables/ prepaid expenses/ income receivables		xxxx	
Cash at bank		xxxx	
Cash in hand		<u>xxxx</u>	<u>xxxx</u>
Total assets			<u>xxxx</u>
Equity and Liabilities			
<u>Owner's equity</u>			
Capital			xxxx
<u>Non-current liabilities</u>			
Long-term borrowings			xxxx
<u>Current liabilities</u>			
Trade payables		xxxx	
Expenses payable/income received in advance		xxxx	
Current portion of long-term borrowings		<u>xxxx</u>	<u>xxxx</u>
Total equity and liabilities			<u>xxxx</u>



SCENARIO-BASED QUESTION (0 LEVEL)

The SBQ requires students to make a decision between two possible choices within a fictional business context.

Each scenario will include **both accounting and non-accounting information** which students are expected to use to support their decision.

The business context for a scenario will be based on one of the 5 topics prescribed for the scenario-based question:

Inventory

Trade
Payables

Trade
receivables

Non-
current
assets

Business
entities



ANALYSIS AND EVALUATION (0 LEVEL)

PepsiCo, Inc.
Balance Sheet
December 25, 2010 and December 26, 2009

	2010	2009
Assets		
Cash and cash equivalents	\$ 3,943	\$ 3,594
Marketable securities	429	192
Accounts receivable (net)	8,322	8,638
Merchandise inventory	3,372	2,918
Other current assets	1,006	1,184
Noncurrent assets	19,050	12,671
Property, plant and equipment (net)	26,469	9,157
Intangible assets	3,407	5,449
Other assets	106,151	\$19,346
Liabilities and shareholders' equity		
Current liabilities		
Short-term obligations	\$ 4,899	\$ 454
Accounts payable and other liabilities	19,904	8,127
Income taxes payable	71	165
Deferred liabilities	10,000	7,400
Long-term debt	10,798	6,271
Shareholders' equity		
Preferred stock (not of repurchased stock)	1,000	1,000
Common stock	4,555	4,555
Retained earnings	67,402	15,080
Accumulated other comprehensive income (loss)	116,244	116,244
Shareholders' equity	189,201	137,885

Financial statement analysis



Profitability



Liquidity



Efficiency

Through the use of financial ratios
Example:

- Mark-up on cost
- Profit margin
- Current ratio
- Rate of inventory turnover
- Rate of trade receivables turnover



Inventory



**Trade
receivables**



COMMON TRAITS OF STUDENTS WHO HAVE DONE WELL IN POA

Attention to
details

Logical
thinking
skills

Hardworking

On task

Tenacious

Good
command of
English



EXAMPLES OF RELEVANT COURSES IN POLYTECHNICS

Singapore Polytechnic - Business School

Diploma in

- Accountancy
- Banking & Finance
- Business Administration
- Human Resource Management with Psychology

Ngee Ann Polytechnic - School of Business & Accountancy

Diploma in

- Accountancy
- Banking & Finance
- Arts Business Management
- International Trade and Business
- Tourism & Resort Management

Temasek Polytechnic - School of Business

Diploma in

- Accountancy
- Business
- Law & Management
- Hospitality & Tourism Management
- Communications & Media Management
- Culinary & Catering Management



CAREER OPPORTUNITIES

■ Private Sector

- Business firms
- Finance services firms such as banking & finance
- Consultancy firms
- Accounting/Auditing firms



■ Government Sector

- Taxation
- Accounting
- Auditing



The background of the slide features a collage of Euro currency. In the top left, there's a red 5 Euro banknote with a white label that says 'E EBC 2014'. Below it, a 10 Euro banknote is partially visible. To the right, several Euro coins are scattered, including a 1 Euro coin and a 2 Euro coin. The text 'POA Activities (outside of classrooms)' is overlaid on the right side of the image in a bold, orange, sans-serif font with a blue drop shadow.

POA Activities (outside of classrooms)

- POA is not just about studying hard in classroom
- Plenty of fun activities to enjoy too

Financial Literacy Workshop with TP and HSBC



Build Your Own Business (BYOB) Game Board Challenge 2018

- Board game in learning more about the applications of accounting
- Organised by Republic Polytechnic



POA Learning Trail 2018

- Multiple stations of quizzes and games in NEX shopping mall
- Link between their learning of POA in classroom to real life practices
- Organised by Zhonghua Secondary School



Business Case Study 2022

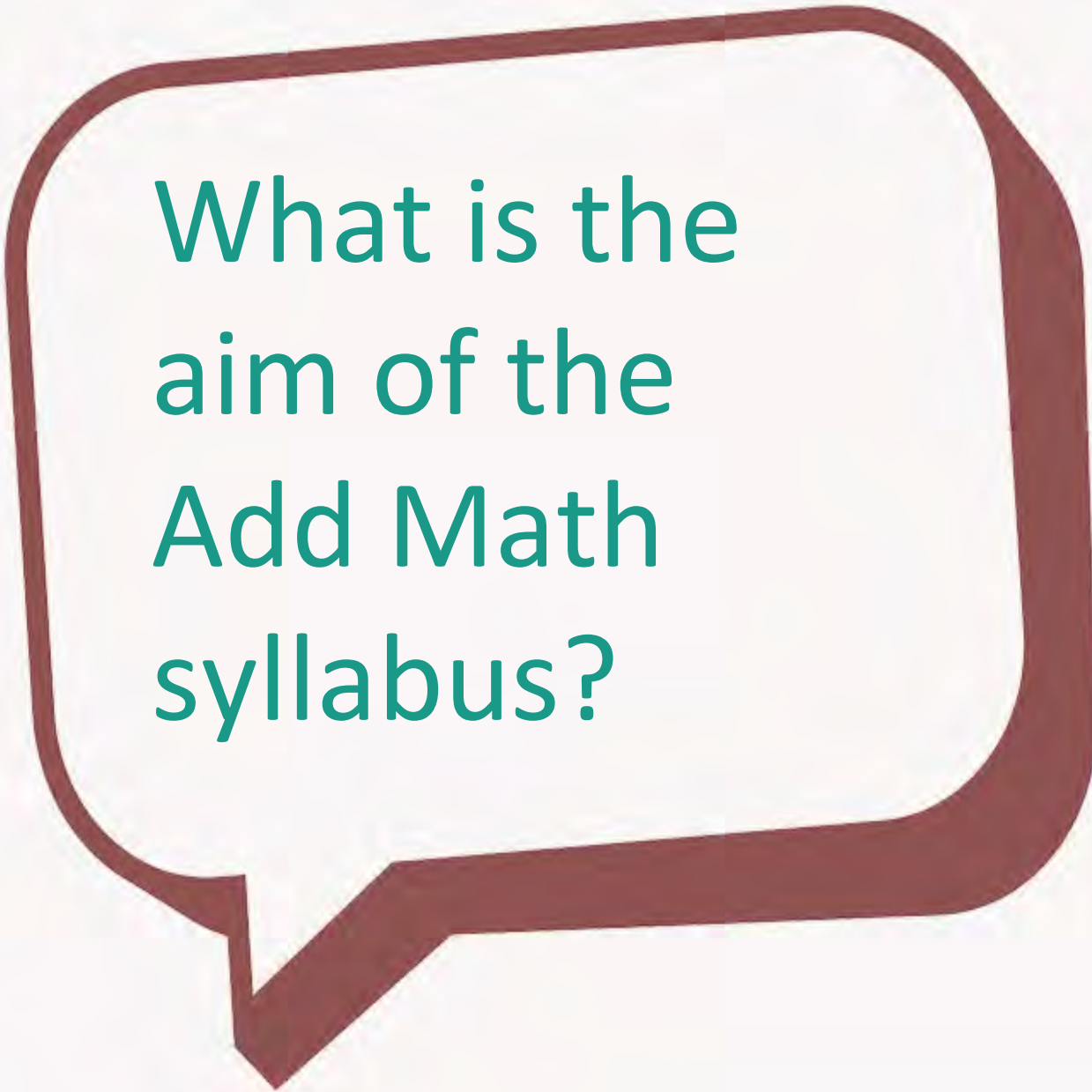


- Students role-play as consultants to a business and present their findings
- Dressed up smartly in business attire
- Lessons can be engaging through Collaborative learning & Hands-on approach



THANK YOU!

Elective Sharing on Additional Mathematics

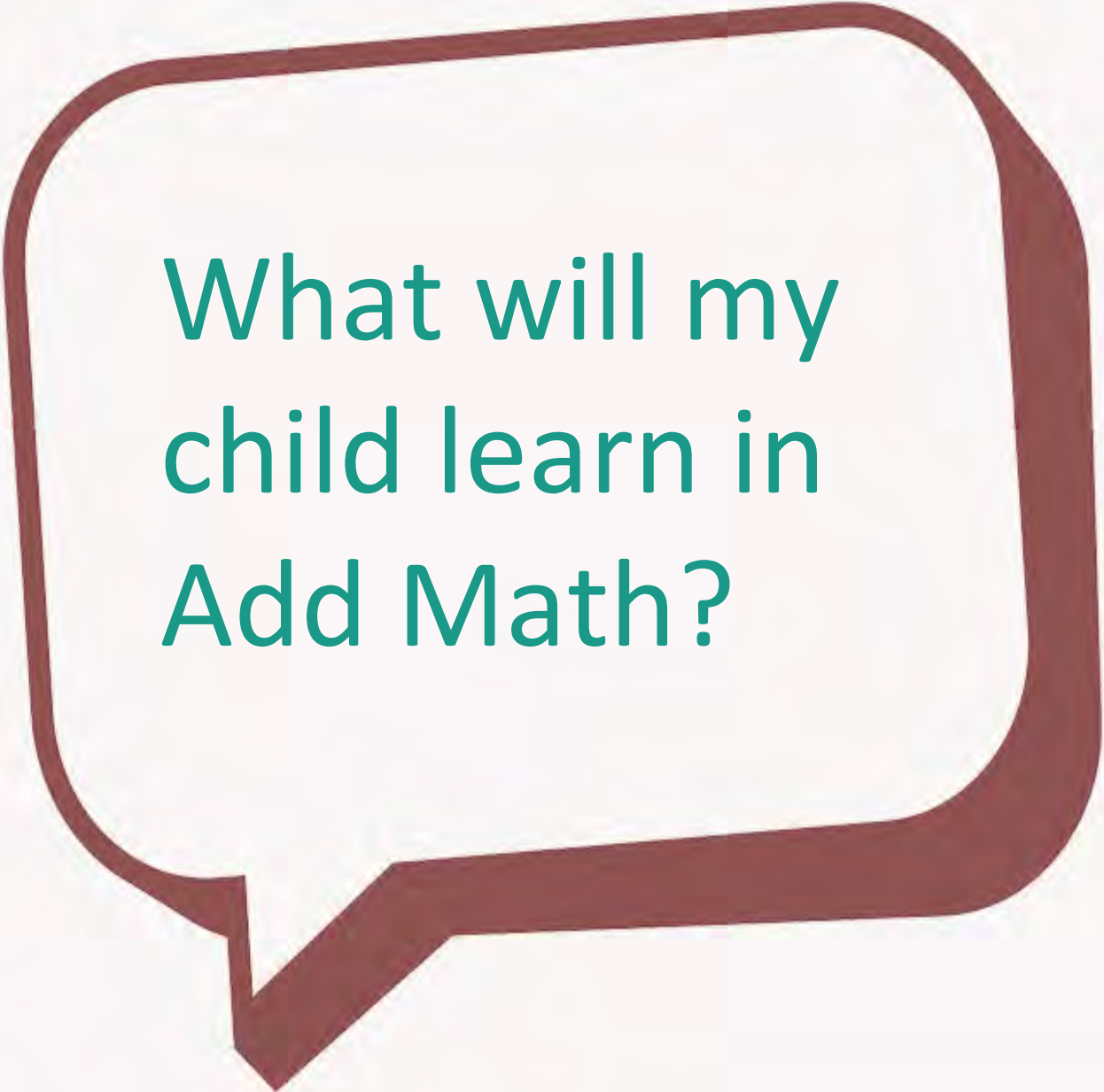


What is the
aim of the
Add Math
syllabus?



Aims:

- ❖ Acquire Math concepts and skills for higher studies in Math and to support learning in the other subjects, in particular, the Sciences
- ❖ Develop thinking, reasoning and metacognitive skills through a mathematical approach to problem-solving
- ❖ Connect ideas within Math, and between Math and the Sciences through applications of Math
- ❖ Appreciate the abstract nature and power of Mathematics.



What will my
child learn in
Add Math?

CONTENT

Concept and Skills

Algebra

Geometry and Trigonometry

Calculus

Learning Experiences
(Processes, Metacognition and Attitudes)

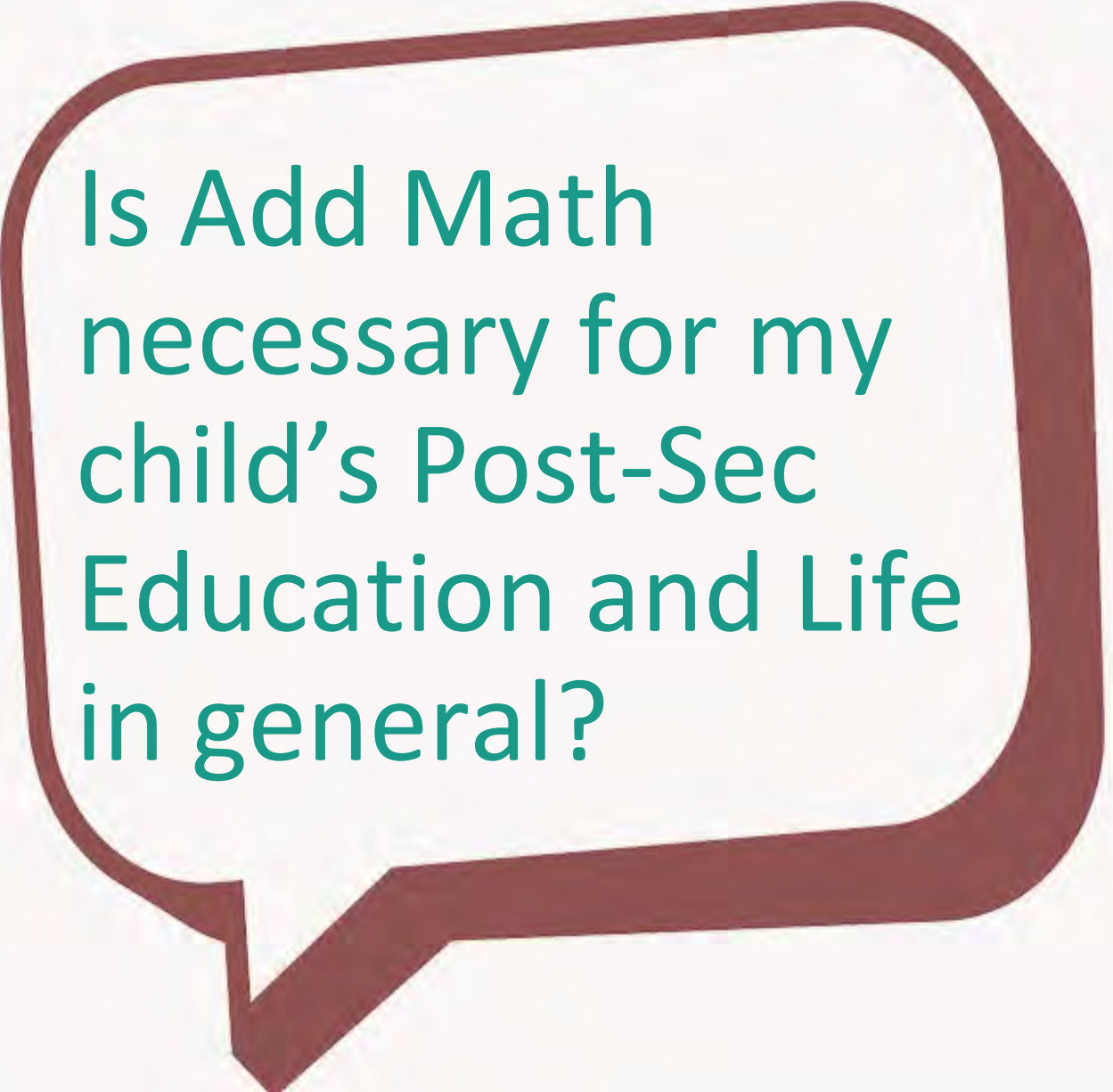
A strong foundation and proficiency in algebra is required for Add Math!

Algebra	Geometry & Trigonometry	Calculus
Quadratic Functions	Trigonometry functions, identities and equations	Differentiation and Integration
Equations and Inequalities	Coordinate Geometry in 2D	
Surds	Proofs in Plane Geometry	
Polynomials and Partial Fractions		
Binomial Expansions		
Exponential and Logarithmic Functions		

4049 'O' Level

Paper	Assessment	Duration	Weighting
1	Written Paper 90 marks	2 hour 15 mins	50%
2	Written Paper 90 marks	2 hour 15 mins	50%

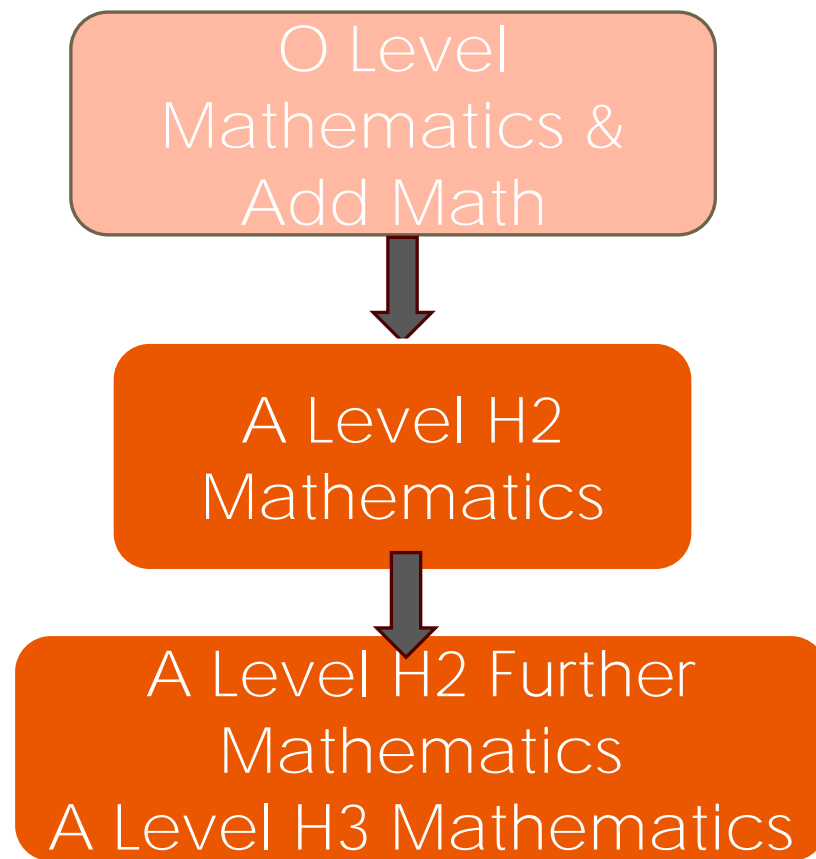
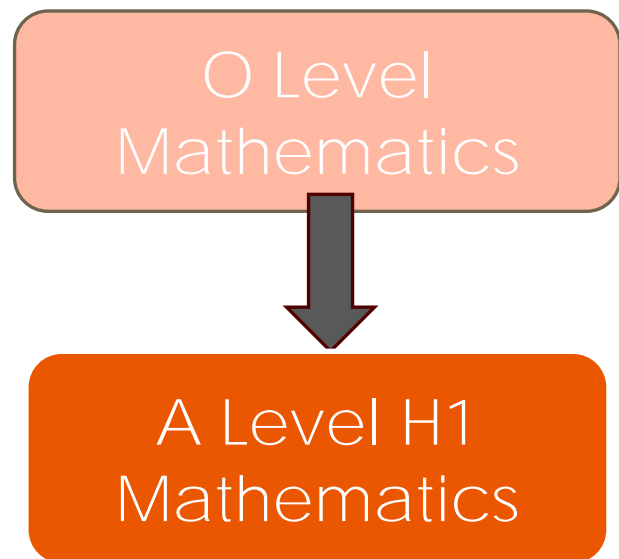




Is Add Math
necessary for my
child's Post-Sec
Education and Life
in general?

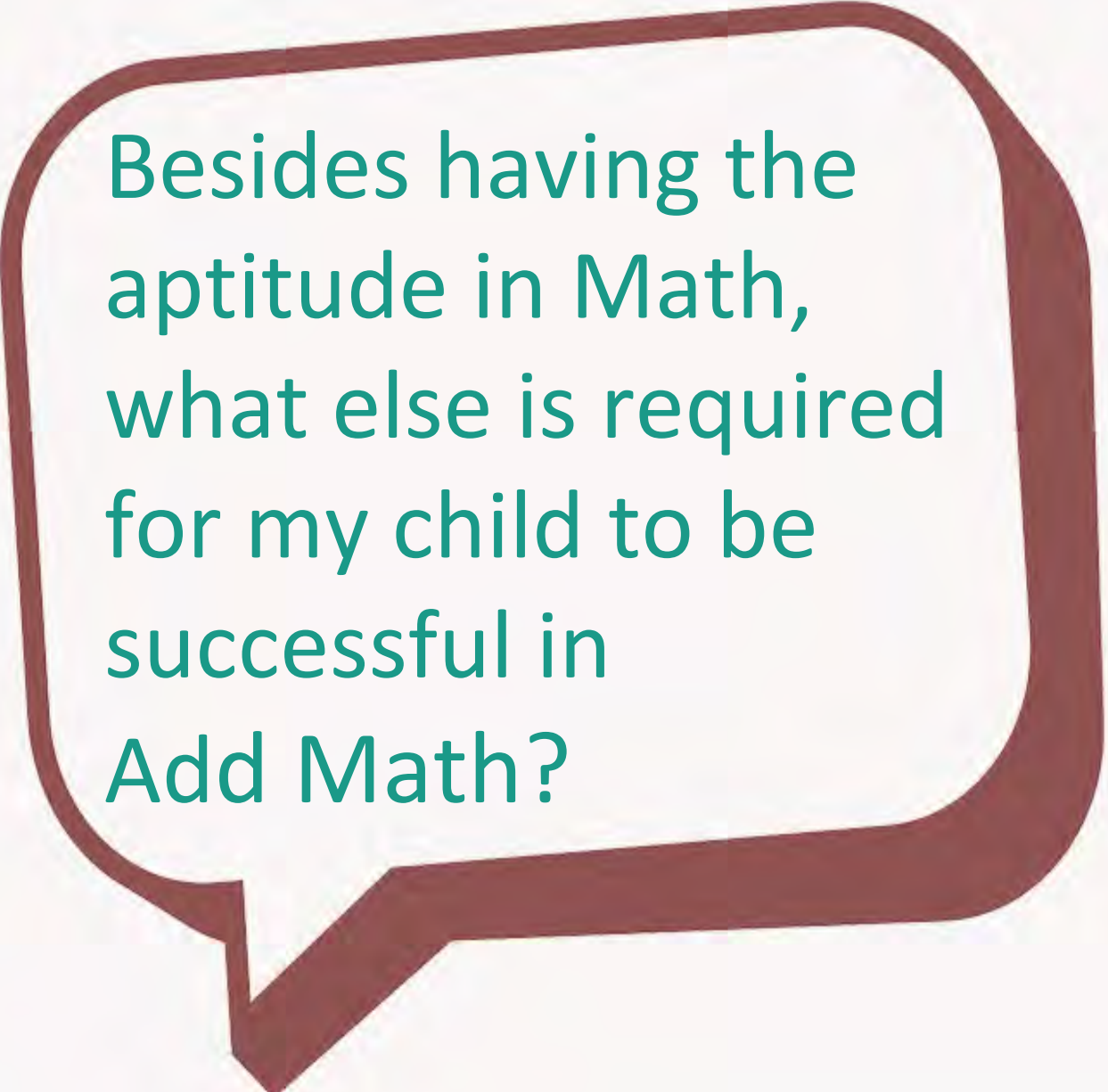
Requirements for Admission to Junior College

Add Math can be considered as one of the L1R5 subjects



Requirements for Admission to Polytechnics

- Add Math is **NOT** compulsory for all Polytechnic Courses including Engineering related courses
 - Can be included as one of the two Relevant Subjects for ELR2B2
- (Need only one Mathematics Subject – can be either Elementary Mathematics or Add Math)



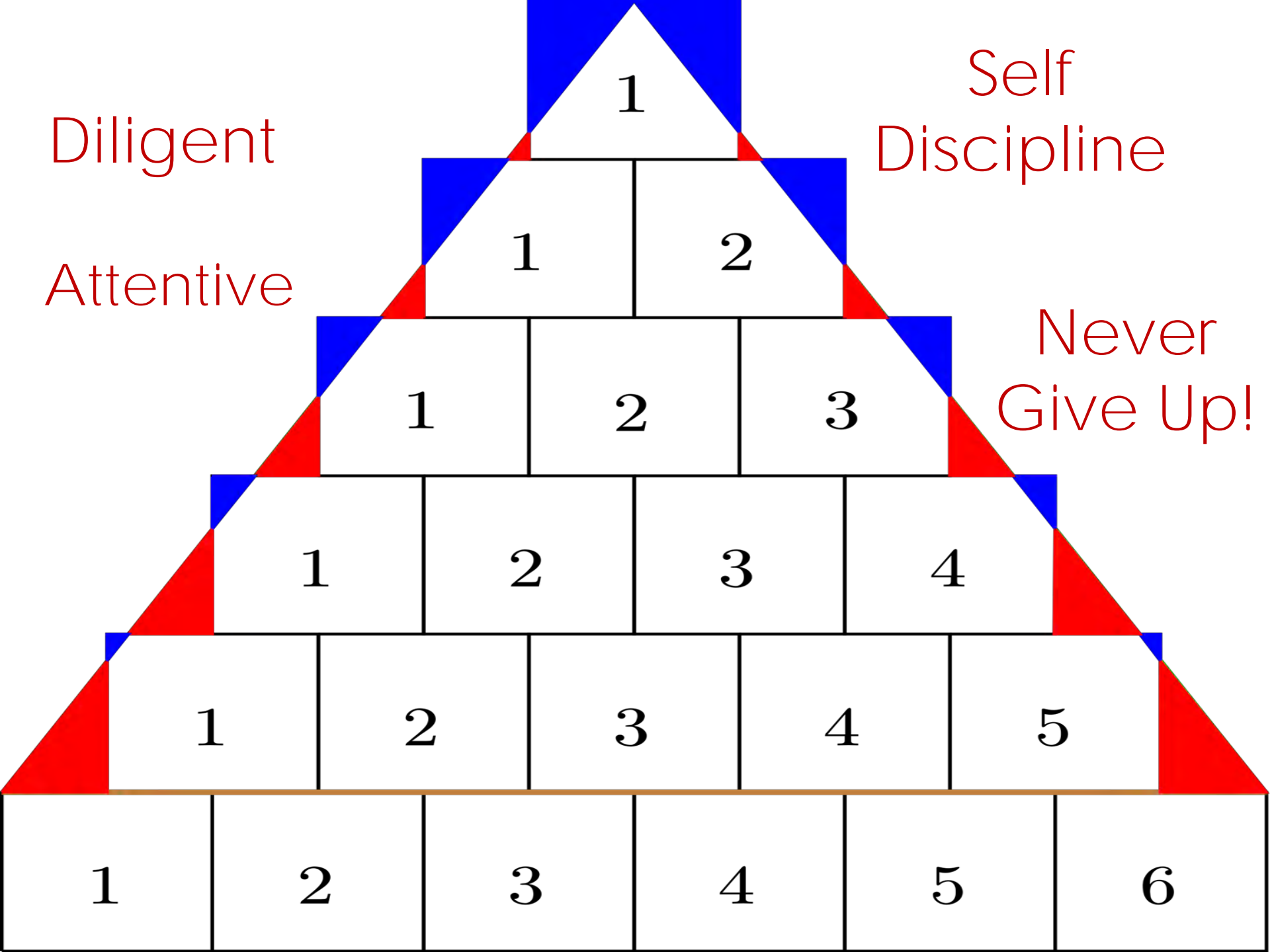
Besides having the
aptitude in Math,
what else is required
for my child to be
successful in
Add Math?

Diligent

Attentive

Self
Discipline

Never
Give Up!



Examples of Algebra Questions in Sec 3 Elementary Math vs Add Math

E. Math

Simplify

1. $x^3 \times x^2$

2. $\frac{y^8}{y^3}$

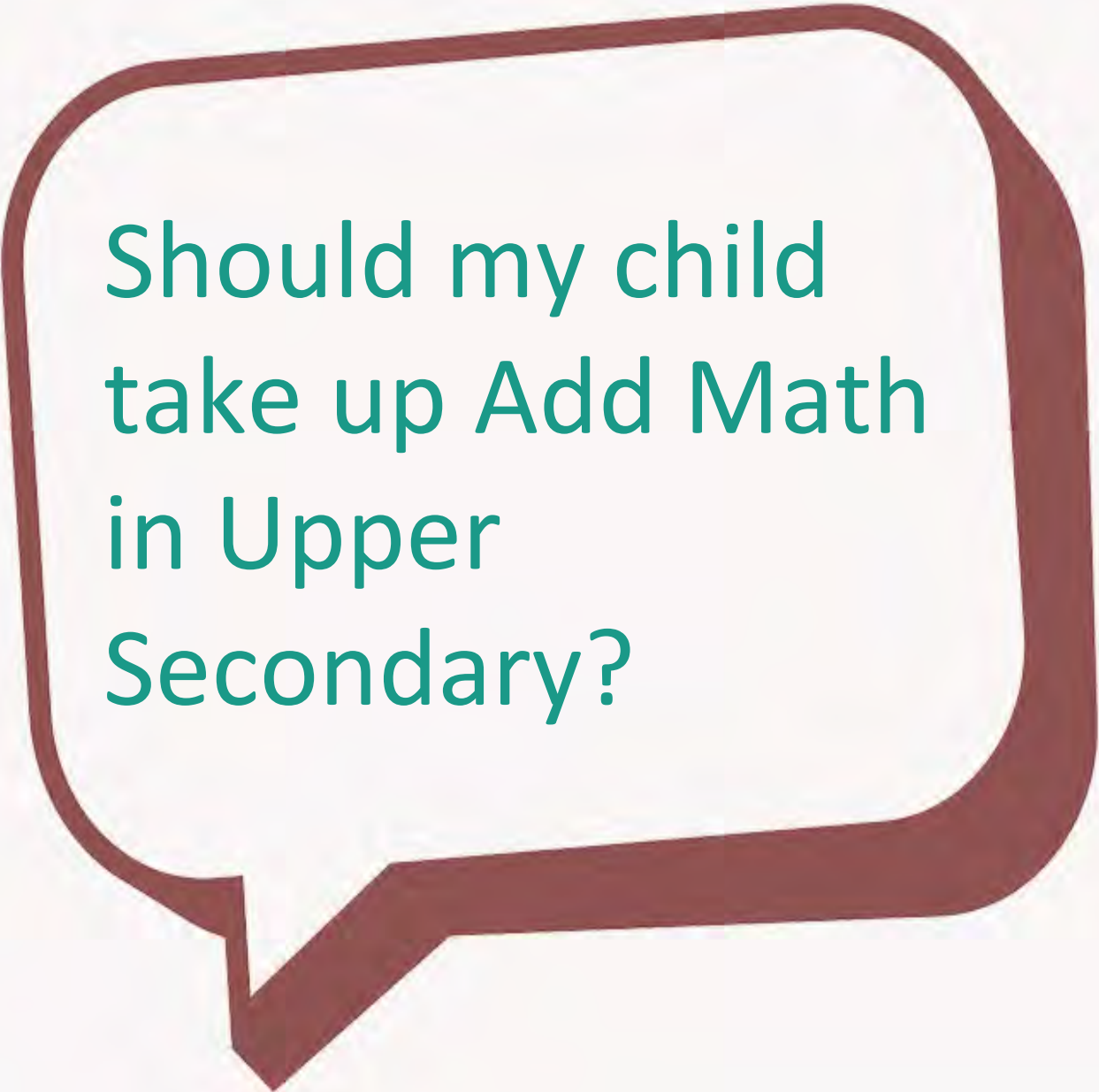
Add. Math

Simplify $\left(\frac{x^6}{1000}\right)^{\frac{1}{3}} \div (256x^4)^{-\frac{1}{4}}$

Simplify $\frac{6a^4}{a^{-5}b} \times \frac{(-a^{-3}b)^2}{2\sqrt{b}}$

k , m and n .

Simplify $\frac{3a^0 \times (ab^2)^{-3}}{\sqrt{a}}$



Should my child
take up Add Math
in Upper
Secondary?

Aspirations



Sharing on ECG Matters

Q uestion A nswer



Thank you for joining us today.

To help us improve on our future talks on the Sec 3 Subject Combination, please spare us some time to complete the feedback form. Your feedback is truly appreciated.

