

# **THE FINAL PLAN**

ENGLISH VERSION

# ABSTRACT

This document initially was proposed to help my school which is SMK Seafield, but after some second thoughts and considerations, I have decided to share this document to an international level and help 07s to face SPM 2024.

After being an admin of the SPM telegram group for almost a year now, I am confident enough that I am able to help the 07s batch to face SPM 2024 with all the materials and sources I have gathered throughout the year of 2023. These materials have allowed me to attain my SPM result slip like so:

KOD	NAMA MATA PELAJARAN	GRED
1103	BAHASA MELAYU	A CEMERLANG TINGGI
1119	BAHASA INGGERIS	A+ CEMERLANG TERTINGGI
1225	PENDIDIKAN MORAL	A+ CEMERLANG TERTINGGI
1249	SEJARAH	A+ CEMERLANG TERTINGGI
1449	MATEMATIK	A+ CEMERLANG TERTINGGI
3472	MATEMATIK TAMBAHAN	A+ CEMERLANG TERTINGGI
4531	FIZIK	A+ CEMERLANG TERTINGGI
4541	KIMIA	A+ CEMERLANG TERTINGGI
4551	BIOLOGI	A+ CEMERLANG TERTINGGI
6351	BAHASA CINA	B+ KEPUJIAN TERTINGGI

LAYAK MENDAPAT SIJIL

UJIAN LISAN BAHASA MELAYU: KEPUJIAN  
TAHAP KESELURUHAN CEFR BAHASA INGGERIS: C1

If you are serious about your studies and want to actually get better examination and SPM results, please continue.

# TO YOU

Hello! You may not know who I am, but you may refer to me as Mr. X. I once was a student who was lost, clueless in my life and loathed studying way back then because I had not seen the purpose of it really. I was just like you, I wanted to abandon studies and give up because it was stressful for me. I was antisocial back then, so I never really socialised.

But after one fateful incident, involving me having an interest in someone else, I slowly followed their footsteps and became like them. I started to become more curious and inquisitive regarding any problems or questions in my homework, got serious about my academic life, joined every single possible activity possible to get *Koko* marks and basically improved myself mentally and in terms of academics. Now, I have converted that energy into my own motivation to keep me chasing my goals. Although the process was hard, I never gave up because of this person, I was affected by this person. I was enamoured by that person's spiritual energy embedded within their soul.

Throughout the year of 2023 which is my final year, I have gathered a lot of resources and materials in order to help boost my study momentum, and today I am going to share those materials with you.

# SUBJECT GUIDES

As an ex-student who took the Pure Science package in Form 4, I am going to explain all subjects that are available in this package. For each subject, I am going to try my best to find all the available help to assist you in excelling in the pertinent subject. If you choose a different package, you may still take a look at these 4 compulsory subjects (excluding Pendidikan Moral/Islam). Either way, you may look through the Studying Techniques section to help yourself with your subject.

## MODERN MATHEMATICS

Modern mathematics can be hard to score well as some students are not the greatest when it comes to arithmetic questions. However, if you have built a solid foundation of your Form 1 to Form 3 Mathematics basics, then Form 4 and Form 5 Modern Mathematics shouldn't be quite hard for you. But if you do find yourself struggling, perhaps the best option to improve your Modern Mathematics in the span of 2 years (or 1 year if you are taking SPM this year) is **doing more exercises and asking more questions**. The biggest mistake that most people make when they encounter a problem is that they don't ask anyone for help or they can't understand the question and the working steps well. Mathematics is all about logic, **there is only one answer for each question, mostly**. So, the more exercises you do, the more questions you ask, the more you challenge yourself with harder KBAT questions, the more you'll understand Mathematics well.

## MATHEMATICS TUTORS

Ms. Vynee (ACE TUITION CENTRE, CHINESE ONLY) -

[https://aceusj9.edu.my/ms\\_vynee.html](https://aceusj9.edu.my/ms_vynee.html)

Liang J (TTC EDUCATION, ENGLISH AND CHINESE) –

<https://www.youtube.com/@LiangJsMathematics>

Tutor Fathi (MCPLUS) - <https://mcplus.my/mc-plus-tutor/fathi/>

Dr. K (Pusat Tuisyen AR Pintar) - 010 - 401 6478 (phone number)

BellaMaths 贝拉数学课堂 (primarily Chinese, but also provides English tutorials) -

<https://www.youtube.com/@BellaMaths>

Mr. Ruel Tuition (primarily Form 5 Mathematics) - <https://mrrueltuition.com/> |

<https://www.youtube.com/@MrRuelTuition>

Teacher Erina (ONLY Chinese) - <https://www.youtube.com/@TeacherErina>

## MATHEMATICS REFERENCE BOOKS

Masterclass SPM Mathematics Forms 4&5 KSSM (2024) -

<https://mphonline.com/products/masterclass-spm-mathematics-edisi-2024>

Focus SPM Mathematics Form 4.5 -

<https://store.pelangibooks.com/en/focus-spm-2023-mathematics-form-4-5>

## SEJARAH (HISTORY)

Sejarah, the hardest subject ever (second hardest if you believe Additional Mathematics is the hardest) to exist throughout our 11 years of learning in primary and high school. Everyone hates Sejarah, including myself, but in order to ace this subject, you have to spend time understanding and piecing information together. One of the best ways that I have discovered improving Sejarah throughout my last 2 years in high school is **improving your Bahasa Melayu**. It could just be me, but my Bahasa Melayu was very weak and disapproving way back then, but after I can talk in Bahasa Melayu properly at the minimum, I somehow can understand what the Sejarah textbook is saying. Therefore, I believe the best way to learn Sejarah is **to improve your Bahasa Melayu, search the meaning of Bahasa Melayu words that you do not understand, and take time to really understand what one page of the Sejarah textbook is trying to convey**. Instead of just purely memorising the words or paragraph of an important point, **try to understand it first slowly**. The moment you have understood what it is trying to say, then you can **start to memorise the words**. Another thing you should note is that, **as long as your answer conveys the same meaning as what the textbook says, your answer is correct**. Even if the words in your answer is not 100% the same as the textbook's, as long as the teacher can understand the meaning of your answer and it is identical to the textbook's, then your answer is accepted, **though it's recommended that you should memorise the important keywords from your textbook to secure a full marks for your answer**. Let me share a technique on how you can effectively and almost quickly improve on Paper 1.

1. Get or find any Sejarah Kertas 1 paper. Set a timer of 40 minutes. **You MUST complete ALL QUESTIONS under that amount of time.** Record the amount of time you have spent doing the paper when you are done.
2. Once you are done, start marking. If there are any questions you have answered wrong, read and understand the question and the correct answer for it.
3. Do the whole paper again, but this time, **complete all the questions in less time than you took to complete the paper on the first trial.** For instance, if you took 33 minutes to answer the entire paper from the first trial, make sure to complete all of the questions under 33 minutes.
4. Repeat step 2. Make sure to record how long it took you to complete the paper in the second trial.
5. Repeat doing the paper again and the whole process **until you can complete the same paper in less than 10 minutes or not more than 15 minutes.**

The reason why you need to complete Paper 1 in such a short amount of time is because you can use the rest of the time to revise your essay questions. When you are done doing and double-checking the paper, you should spend time revising essay questions to ensure you are well-prepared for Paper 2.

## SEJARAH TUTORS

Mr. Kent (ACE TUITION CENTRE, CHINESE ONLY, BETTER HURRY UP!) -

[https://aceusj9.edu.my/mr\\_kent.html](https://aceusj9.edu.my/mr_kent.html) |

[https://www.instagram.com/mrkentsejarah\\_perniagaan/](https://www.instagram.com/mrkentsejarah_perniagaan/)

You Hang & Ming Yoke (TTC EDUCATION, ENGLISH AND CHINESE) -

<https://ttceducation.org/ttc-tutors/#sejarah-2>

Tutor Syahmi (MCPLUS, BM ONLY) - <https://mcplus.my/mc-plus-tutor/syahmi/> |

[https://shopee.com.my/sirpuloh\\_publication](https://shopee.com.my/sirpuloh_publication)

Alen老师 (CHINESE ONLY) - <https://www.youtube.com/@ALENsejarah> |

<https://wa.link/2qmg hx>

## SEJARAH REFERENCE BOOKS

SEJARAH QUESTIONS Q&A SPM 2023 (VERY EFFECTIVE FOR BOTH SUBJECTIVE AND ESSAY QUESTIONS) -

[https://shopee.com.my/product/669132790/23860405867?gad\\_source=4&gclid=Cj](https://shopee.com.my/product/669132790/23860405867?gad_source=4&gclid=Cj)

[0KCOjwltKxBhDMARIsAG8KnqWfq2rdvbXAhXzhIfHFMgY-y07s1DLmWg6p7Vy  
cVLIhYPMIIQweUI8aAtP-EALw\\_wcB](https://www.popularonline.com.my/default/catalog/product/view/id/217878/s/9786294704374/?did=4267)

SPM RANGER REVISI CEPAT SEJARAH -

<https://www.popularonline.com.my/default/catalog/product/view/id/217878/s/9786294704374/?did=4267>

## **BAHASA MELAYU**

I notice that a lot of students do not like to talk or speak in Bahasa Melayu, and this is because they are more accustomed to conversing in English than conversing in our country's national language which is a serious problem. If you are weak in Bahasa Melayu, you need to start improving it now, because not everyone is good at English and you are living in a country where the main religion is Islam and dominated by many Malays. If you can score a minimum of grade C in Bahasa Melayu SPM, then it is safe to say that you can understand roughly a wide range of topics in Bahasa Melayu for daily communication purposes. The way on how I improved my Bahasa Melayu in Form 4 is to **find and understand the meaning of unknown words in Bahasa Melayu by reading all possible sources which contain Bahasa Melayu words such as the textbook (which I have finished reading the entire book), news articles, social media posts and etc. I created a handmade dictionary in which I have written the unknown Bahasa Melayu words along with its meaning and translations in other words.** The process may be strenuous and slow, but remember that **consistency is the key to success.** Regarding speaking and listening tests, the best advice I can give is to **talk and listen in Bahasa Melayu more without looking at the words.** You should also allow for grammar and *tatabahasa*.

## **BAHASA MELAYU TUTORS**

Mr. Tan (ACE EDUCATION CENTRE, CHINESE ONLY) -

[https://aceusj9.edu.my/mr\\_tan.html](https://aceusj9.edu.my/mr_tan.html)

Learning With Shirley (BM ONLY) -

<https://www.youtube.com/@LearningWithShirley>

Cikgu Linda Nor (professional teacher with many years of experience) -

<https://www.youtube.com/@cikgulindarnor5305>

Aaron老师 (CHINESE ONLY) -

[https://www.youtube.com/@teacheralexaron\\_official](https://www.youtube.com/@teacheralexaron_official)

Cikgu Wong (SMART BM WORLD SDN BHD, PROFESSIONAL TEACHER WITH 25 YEARS OF TEACHING EXPERIENCE, CHINESE ONLY) -

<https://www.smartbmworld.net/home>

Cikgu Jeff BM 杰主任 (CHINESE ONLY) -

<https://www.youtube.com/@mrjeffbm> | +60 12-339 8832

Cikgu Suguz (BM ONLY, BUT HAS ENGLISH EXPLANATION) -

<https://www.cikgusuguz.com.my/>

## **BAHASA MELAYU REFERENCE BOOKS**

MODUL FUIYOO MUDAHNYA BAHASA MELAYU! (Cikgu Linda Nor)-

[https://shopee.com.my/product/254027145/25475931392?d\\_id=e04a1&uls\\_trackid=4vmmm9c500ak&utm\\_content=2QjqGa5zAqZAEALnJhZ9kxBQV3iX](https://shopee.com.my/product/254027145/25475931392?d_id=e04a1&uls_trackid=4vmmm9c500ak&utm_content=2QjqGa5zAqZAEALnJhZ9kxBQV3iX)

Focus SPM 2023 Bahasa Melayu Tingkatan 4.5 -

<https://store.pelangibooks.com/en/books/secondary/spm-reference-books/reference-books-tingkatan-5/focus-spm-2023-bahasa-melayu-tingkatan-4-5>

Masterclass SPM Bahasa Melayu (Edisi 2024) -

<https://www.popularonline.com.my/default/catalog/product/view/id/217472/s/9789837738539/>

Karangan Contoh dan Teknik Penulisan Format Terbaharu Bahasa Melayu SPM -

<https://shopee.com.my/BUKU-RUJUKAN-TERBAIK-KARANGAN-CONTOH-DAN-TEKNIK-PENULISAN-FORMAT-TERBAHARU-BAHASA-MELAYU-SPM-i.111526893.13345215391>

Karangan Bahasa Melayu Kertas 1 SPM 2023/2024 (Softcopy ONLY) -

<https://cikgu.info/shop/66-karangan-ramalan-bahasa-melayu-kertas-1-1103-1-spm-2023-2024-percuma-modul-tp311/>

## **BAHASA INGGERIS (ENGLISH)**

English is probably the EASIEST subject that you can pass in SPM (the passing marks for this subject is actually 2 during one SPM period!), yet there are still tons of people who can't score very high marks on this paper. Most complain that it's too hard, but I can safely tell you, if you are one of those people, **the old English SPM format (KBSM) was WAY HARDER than the current format (KSSM)**. For instance, in the old format for essay writing, you were required to write an essay with a specific format which you can't choose (ex. The question needs you to write an article

about something, you cannot choose any other format) and you had 5 essay choices you can choose to write one from! Of course those 5 essays were hard. In the old English comprehension format, there were poems, stories and novels which you had to memorise in order to answer those questions. So, you should be very glad that KPM decided to remove these hard questions. Again, learning English is like learning Bahasa Melayu, **so you should read a lot of articles, news, stories, or even movies, make a handmade dictionary which contains the meaning and translations of each English word you do not know the meaning of, and master your grammar basics to avoid grammatical errors.**

### **BAHASA INGGERIS TUTORS**

Ms. Allison Fang (TTC EDUCATION, ENGLISH AND CHINESE) -

<https://www.instagram.com/englishwithteacherallisonfang/> |

<https://api.whatsapp.com/send?phone=60126686821&text=Hi%2C%20I%27m%20interested%20in%20Tutor%20Allison%20English%20tuition%20classes>

English Made Possible With Teacher EM (ENGLISH) -

<https://www.youtube.com/@teacherEM/videos>

Tutor Nuha MCPLUS (BAHASA MELAYU AND ENGLISH) -

<https://mcplus.my/mc-plus-tutor/nuha/>

Englishwithissy (PHRASAL VERBS, IDIOMS AND GRAMMAR) -

<https://www.instagram.com/englishwithissy/>

Everton Greguer (C2 PROFICIENCY TRAINING) -

<https://www.instagram.com/eflteacher/>

### **BAHASA INGGERIS REFERENCE BOOKS**

Focus SPM 2023 English Form 4.5 -

<https://store.pelangibooks.com/en/focus-spm-2023-english-form-4-5>

Masterclass SPM English 2024-

[https://shopee.com.my/product/669132790/24721711785?gad\\_source=1&gclid=CjwKCAjwouexBhAuEiwAtW\\_Zx2PTXiFo7mA9Xt9quszx1JSnWfOjFMf-8Dvtt4BBSxqdKnAQWa-RphoCazUQAvD\\_BwE](https://shopee.com.my/product/669132790/24721711785?gad_source=1&gclid=CjwKCAjwouexBhAuEiwAtW_Zx2PTXiFo7mA9Xt9quszx1JSnWfOjFMf-8Dvtt4BBSxqdKnAQWa-RphoCazUQAvD_BwE)

Supreme Model Essays CEFR-Aligned SPM Form 4 5 KSSM (2024) -

<https://www.topbooks.my/products/topbooks-pelang-supreme-model-essays-cefr-aligned-spm-form-4-5-kssm-2024>

Model Essays For English CEFR Form 4 & 5 Latest SPM Format & Analysis 2024 -

<https://shopee.com.my/-MHD-MODEL-ESSAYS-FOR-ENGLISH-CEFR-FORM-4-5-LATEST-SPM-FORMAT-ANALYSIS-2024-i.327090004.14759378346>

## **PENDIDIKAN MORAL**

If you ask me which subject is worse, Sejarah or Pendidikan Moral, I definitely will choose Pendidikan Moral. The reason why is because, one, the textbook itself does not provide much information on how you are supposed to answer KBAT questions, two, its exam format requires you to write 5 essays in the span of 2 hours (yes, you are recommended to complete all the subjective questions under 30 minutes.), three, the wording of every question can get you to misinterpret the question's requirement, causing you to lose all marks, four, there are many strict "rules" you must adhere to when writing your answers (or else your answer is automatically rejected, even if your answer is justified and valid), and finally five, the format itself can change very often. My best advice to study Pendidikan Moral is, **listen and ask a lot of questions to your Pendidikan Moral teacher**. Your teacher is the most reliable source to all of your questions because they are always among the first few teachers who can receive the most up-to-date information and changes on Pendidikan Moral paper and marking methods. **Your textbook can literally just leave it untouched and be replaced by many different reference books following the KSSM format** (ever since I got a reference book, I have never tried to touch that textbook most of the time.). **Doing a lot of topical exercises also helps to let you understand Pendidikan Moral way better.**

## **PENDIDIKAN MORAL TUTORS**

Unfortunately, there are barely no tutors who specialise in teaching Pendidikan Moral (even if you can find one, most probably they are not the best.), the only teacher that I trust is this guy:

Cikgu Suresh - <https://www.youtube.com/@moralsifuvtsuresh>

But always remember, **your Pendidikan Moral teacher is the best source to ask for advice.**

## **PENDIDIKAN MORAL REFERENCE BOOKS**

Revisi Cepat SPM KSSM Pendidikan Moral Tingkatan 4&5 (the book I used to face SPM, contains a lot of answers and points you can use in essays or subjective questions)

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[https://www.lazada.com.my/products/sri-tanjong-ilmu-bakti-buku-rujukan-2022-revisi-cepat-spm-kssm-pendidikan-moral-tingkatan-4-5-edisi-terbaru-2022-i2122134958-s14589183758.html?from\\_gmc=1&fl\\_tag=1&exlaz=d 1:mm 203830424 121851018 2080051023::12:21232482393!!!!c!!14589183758!449012401!!!Cj0KCQjwxeYxBhC7ARIsAC7dS3-TrZKO-3H9cfkyFk9Q-dqyvwUk48mSLqbGupqP2wFdj39O\\_ge\\_SugaAhWzEALw\\_wcB!0AAAAADvlgTtx2gjVRTGpGVD5AjVc9Sp-V&is\\_monet=1&gad\\_source=1&gclid=Cj0KCQjwxeYxBhC7ARIsAC7dS3-TrZKO-3H9cfkyFk9Q-dqyvwUk48mSLqbGupqP2wFdj39O\\_ge\\_SugaAhWzEALw\\_wcB](https://www.lazada.com.my/products/sri-tanjong-ilmu-bakti-buku-rujukan-2022-revisi-cepat-spm-kssm-pendidikan-moral-tingkatan-4-5-edisi-terbaru-2022-i2122134958-s14589183758.html?from_gmc=1&fl_tag=1&exlaz=d 1:mm 203830424 121851018 2080051023::12:21232482393!!!!c!!14589183758!449012401!!!Cj0KCQjwxeYxBhC7ARIsAC7dS3-TrZKO-3H9cfkyFk9Q-dqyvwUk48mSLqbGupqP2wFdj39O_ge_SugaAhWzEALw_wcB!0AAAAADvlgTtx2gjVRTGpGVD5AjVc9Sp-V&is_monet=1&gad_source=1&gclid=Cj0KCQjwxeYxBhC7ARIsAC7dS3-TrZKO-3H9cfkyFk9Q-dqyvwUk48mSLqbGupqP2wFdj39O_ge_SugaAhWzEALw_wcB)

Buku Rujukan Q&A SPM Pendidikan Moral Tingkatan 4&5 KSSM -  
[https://www.lazada.com.my/products/buku-rujukan-qa-spm-pendidikan-moral-tingkatan-4-5-kssm-i3497388215-s19249816613.html?from\\_gmc=1&fl\\_tag=1&exlaz=d 1:mm 150050845 51350205 2010350205::12:20853784937!!!!c!!19249816613!5080893912&gad\\_source=1&gclid=Cj0KCQjwxeYxBhC7ARIsAC7dS3-7Z6FcHVR1SIH62hGhCsNYXLgP790VkUUw0bRTYselUQyGdwrVN4QaAgV9EALw\\_wcB](https://www.lazada.com.my/products/buku-rujukan-qa-spm-pendidikan-moral-tingkatan-4-5-kssm-i3497388215-s19249816613.html?from_gmc=1&fl_tag=1&exlaz=d 1:mm 150050845 51350205 2010350205::12:20853784937!!!!c!!19249816613!5080893912&gad_source=1&gclid=Cj0KCQjwxeYxBhC7ARIsAC7dS3-7Z6FcHVR1SIH62hGhCsNYXLgP790VkUUw0bRTYselUQyGdwrVN4QaAgV9EALw_wcB)

## ADDITIONAL MATHEMATICS

This is probably your second worst nightmare after Sejarah. A lot of students have failed Additional Mathematics over the years because they always say: “It’s too hard!”. But the million dollar question is, what makes it hard? In this subject, you have to study a lot of different mathematical concepts and equations, memorise steps to prove a mathematical law or equation, memorise a lot of different formulas and so much more. Additional Mathematics is not like your average mathematics where the questions are simple, it consists of questions which force you to think outside the box and solve problems using knowledge you have already obtained. **The way I improved Additional Mathematics when I was studying it, is to do a lot of exercises and ask a lot of questions.** However, some of you may still be complaining that this doesn’t work either. The reason is because **you never fully understand the concept.** In order to ace this subject, understanding concepts slowly first is very crucial. Once you understand a concept, move on to simple exercises first before progressing to hard exercises. There are also instances where the question itself seems “impossible” to solve, and if you have that mindset, it just means **you haven’t fully translated that question into a question that you can understand.** Additional Mathematics is all about breaking the problem into bite-sized pieces, so you can use your existing knowledge to answer KBAT questions. **The more exercises you do, the higher chance you’ll be able to tackle KBAT questions, including the ones you may have never seen before. Curiosity, asking, understanding and applying are the 4 crucial steps to score well in Additional Mathematics.**

## ADDITIONAL MATHEMATICS TUTORS

Ms. Tan Yann Ju (ITC EDUCATION, ENGLISH AND CHINESE, YOU KNOW HER.) - <https://www.youtube.com/@TanYannJu>

Tutor Fathi (MCPLUS, MAINLY MALAY) -

<https://mcplus.my/mc-plus-tutor/fathi/>

BellaMaths 贝拉数学课堂 (primarily Chinese, but also provides English tutorials) -

<https://www.youtube.com/@BellaMaths>

Mr. Ruel Tuition (BILINGUAL) - <https://mrrueltuition.com/> |

<https://www.youtube.com/@MrRuelTuition>

## **ADDITIONAL MATHEMATICS REFERENCE BOOKS**

Masterclass SPM Add Math (Edisi 2024) -

<https://www.pustakarakyat.my/shop/masterclass-spm-additional-mathematics-2024/>

Focus SPM 2023 Additional Mathematics Form 4.5 -

<https://store.pelangibooks.com/en/focus-spm-2023-additional-mathematics-form-4-5>

Hint, **DO NOT BUY** this book! The questions and guides in this book do not live up to SPM levels.

<https://mphonline.com/products/complete-all-your-questions-answered-spm-form-4-additional-mathematics>

## **BIOLOGY / PHYSICS / CHEMISTRY / SCIENCE**

Science is basically the combination of all these 3 big fields. Biology is the study of life, physics is the study of natural phenomena on Earth and Chemistry is the study of composition, structure and relationship between atoms. Although each subject has a different level of difficulty, they all can be studied using the same approach. **Being curious and asking a lot of questions are two main methods to score well in any of these 4 subjects.** I see most people just completely memorise whatever that is presented in their textbook and call it a day, and that's not how you are supposed to ace these subjects. **Understanding any of these science subjects is crucial to answer all types of questions. Doing external exercises also helps you to ensure you can answer questions that are not covered in the textbook,** as all these science subjects can make a question which requires extra knowledge or thinking outside the box.

## **BIOLOGY TUTORS / REFERENCE BOOKS**

Ms. Yap Wai Ling (ITC EDUCATION, ENGLISH AND CHINESE) -

<https://www.youtube.com/@YapWaiLing>

Tutor Sara & Tutor Iqbal (MCPLUS) - <https://mcplus.my/mc-plus-tutor/sara/> |

<https://mcplus.my/mc-plus-tutor/iqbal/> , <https://www.instagram.com/iqbal.ahyar/>

Mr Khor Biology (13 YEARS OF TEACHING EXPERIENCE) -

<https://www.spmbiology.com/>

Mr. Ruel Tuition (BILINGUAL) - <https://mrrueltuition.com/> |

<https://www.youtube.com/@MrRuelTuition>

Cikgu Fazlie Biosensei (PREDICTED MOST BIOLOGY QUESTIONS IN SPM 2023) - <https://t.me/cikgufazliebiosensei>

Masterclass SPM Biology (Edisi 2024) -

<https://mphonline.com/products/masterclass-spm-biology-edisi-2024>

Focus SPM 2023 Biology Form 4.5 -

<https://store.pelangibooks.com/en/focus-spm-2023-biology-form-4-5>

ALL reference books by Mr. Khor (ESSAY BOOKS HAVE A LOT OF HIGH RATINGS) - <https://www.spmbiology.com/reference-book>

## **PHYSICS TUTORS / REFERENCE BOOKS**

Mr. Jiun Han (TTC EDUCATION, ENGLISH AND CHINESE) -

<https://www.youtube.com/@JiunHansPhysics> |

[https://www.instagram.com/mao\\_fijik/](https://www.instagram.com/mao_fijik/)

Tutor Shafiee (MCPLUS, HAS BM EXPLANATION FOR DLP) -

<https://mcplus.my/mc-plus-tutor/shafiee/>

Mr. Ruel Tuition (BILINGUAL) - <https://mrrueltuition.com/> |

<https://www.youtube.com/@MrRuelTuition>

Ms. Winnie (15 YEARS IN TEACHING PHYSICS) - +60 16-247 1012

Ms. Kok See Mai - <https://www.youtube.com/@kokseemaiPHYSICS>

Ms. Hasnita - <https://www.youtube.com/@CikguHasnita>

SPM MASTERCLASS PHYSICS (EDITION 2024) -

<https://www.popularonline.com.my/default/catalog/product/view/id/217483/s/9789837738621/>

Focus SPM 2023 Physics Form 4.5 -

<https://store.pelangibooks.com/en/focus-spm-2023-physics-form-4-5>

## **CHEMISTRY TUTORS / REFERENCE BOOKS**

Mr. You Tian (TOP), Mr. Jia Hern (SECOND) & Mr. Wai Loon -

<https://ttceducation.org/ttc-tutors/#chemistry>

Tutor Sakinah (MCPLUS) - <https://mcplus.my/mc-plus-tutor/sakinah/>

Mr. Ruel Tuition (BILINGUAL) - <https://mrrueltuition.com/> | <https://www.youtube.com/@MrRuelTuition>

Mr. Martin Teo (ENGLISH AND CHINESE) - <https://www.spmchemistry.com/> | <https://www.youtube.com/@MrAprolsmatic>

Masterclass SPM Chemistry Forms 4&5 -

[https://shopee.com.my/product/279741451/23632849185?gad\\_source=1&gclid=CjwKCAjwi\\_exBhA8EiwA\\_kU1Mhy80OQPS2ZwEReSeNEJ31sYQjaS3-hHMD4ggQX9ZfGL8TE\\_PrJSNRoCdH4QAvD\\_BwE](https://shopee.com.my/product/279741451/23632849185?gad_source=1&gclid=CjwKCAjwi_exBhA8EiwA_kU1Mhy80OQPS2ZwEReSeNEJ31sYQjaS3-hHMD4ggQX9ZfGL8TE_PrJSNRoCdH4QAvD_BwE)

Focus SPM 2023 Chemistry Form 4.5 -

<https://store.pelangibooks.com/en/focus-spm-2023-chemistry-form-4-5>

### **SCIENCE TUTORS / REFERENCE BOOKS**

Mr. Yu Qin & Mr. Han Yih (TTC EDUCATION) -

<https://ttceducation.org/ttc-tutors/#science>

Tutor Sara, Tutor Iqbal & Tutor Zulfah (MCPLUS) -

<https://mcplus.my/mc-plus-tutor/sara/> | <https://mcplus.my/mc-plus-tutor/iqbal/> ,

<https://www.instagram.com/iqbal.ahyar/> |

<https://mcplus.my/mc-plus-tutor/zulfah/>

MasterClass SPM Science (Edisi 2024) -

<https://mphonline.com/products/masterclass-spm-science-edisi-2024>

Focus SPM 2023 Science Form 4.5 -

<https://store.pelangibooks.com/en/focus-spm-2023-science-form-4-5>

Small hint for Chemistry: For experiment questions, you must be VERY specific, do not just give vague measurements! For example, using 5 cm of Magnesium, Mg ribbon is correct while using a Magnesium, Mg ribbon is wrong!

## BAHASA CINA (CHINESE)

As someone who comes from a Chinese household, most would think I can speak Chinese fluently, but in actuality I really suck at speaking Chinese, even till today. But then if you think about it, if you can't speak your own mother language regardless of your family background, would you feel ashamed? Imagine you have a big gathering with your family and cousins, and you are the only one who can't speak your own mother language well, it's going to be hard to converse with your close relatives, that's why I chose to improve my Chinese. I find the reason why Chinese is getting so hard for me (and maybe everyone else) to learn is because **we have familiarised ourselves to speak English more often than any other languages**. Don't get me wrong, this is also probably the reason why your Bahasa Melayu communication skills are not up-to-par. As an indirect result, our mind now prioritises English to think instead of using other languages. Therefore, the best way to start improving Chinese now is to **translate English vocabularies to Chinese. Making a handmade dictionary which records all unknown Chinese words to you with their meanings and translations in other languages is also a good idea**. I used to read news articles and Chinese SPM essays to find new words and expand my vocabulary. But the most important way to test your Chinese skills and improve at an optimum pace, is to **find a suitable tutor**. I chose a private tutor because my Chinese was pretty horrendous when I was Form 4. **Always remember, doing a lot of exercises can help to improve your comprehension skills and writing skills**.

### CHINESE TUTORS

Ms. Sandra Shien (the private tutor I have chosen) -

<https://www.instagram.com/shien.chinese/>

Tutor Jun Yik (TTC EDUCATION) -

<https://www.youtube.com/@junyikchinese3838>

### CHINESE REFERENCE BOOKS

Focus SPM Bahasa Cina Form 4.5 -

[https://m.sbcbookcentre.com/index.php?ws=showproducts&products\\_id=4426564](https://m.sbcbookcentre.com/index.php?ws=showproducts&products_id=4426564)

亮点精选范文160篇SPM华文 - <https://www.e-sentral.com/book/info/383369>

131 Penulisan Bahasa Cina SPM -

[https://www.sbcbookcentre.com/index.php?ws=showproducts&products\\_id=39260](https://www.sbcbookcentre.com/index.php?ws=showproducts&products_id=39260)

# STUDYING TECHNIQUES

Of course, with so many resources, exercises, tutors and homework to complete and ace your SPM, it's definitely overwhelmingly hard to maintain all of these in your academic life. Therefore, you need to learn how to **study smart, not study hard**. Here are some studying techniques I have utilised before facing each exam paper in SPM.

## 2357 STUDYING METHOD

This is a very powerful method that I have used to retain long-term memory on anything I have studied in a textbook, unfortunately I just discovered this method before SPM Trials started, but still this method helps you to **remember more things in the long run**. Here's how it works:

1. Choose any subject, and then choose any chapter/topic you need to focus on, and then skim through the chapter itself. What you are currently doing now is to **get an idea on what this chapter is going to talk about. Focus and take note of any words that are in bold**. These bold words give you a smaller idea on what subtopics you are going to learn in this chapter later on.
2. If there are pages where they have questions to test your knowledge on that chapter, make sure to read every single question one-by-one. By reading through the questions, you'll be able to **know what the chapter expects you to know after you are done reading the chapter**. To make things easier, you should try to understand what you **MUST** know, before moving on what you **CAN** know about a chapter.
3. Now, take your time and try to read every single text you see in the chapter. If you don't understand something **fully**, search for help using Google until you understand the concept. For instance, if you understand how to multiply matrices, but not fully, then reread the texts and search for help on the Internet, if needed, until you fully understand how the whole process works. **This helps to ensure you can answer a question fully without missing out any important details**. Remember to take your time! Even if it took you some time to understand a subtopic, you should still make sure you understand the chapter fully.

4. [OPTIONAL] Bracket or highlight any important paragraphs or sentences if you have trouble memorising points to get marks in exam. For highlighters, it's a good idea to assign a meaning for each colour so you know how to differentiate between important points.
5. After you are done reading the entire chapter, you have an option; you can either call it a day and repeat step 1 - 4 on another subject/topic OR do a quick Quizziz regarding that topic. For example, if you are done reading Form 4 Sejarah Chapter 3, you should look up Quizzizs regarding that topic by searching "sejarah tingkatan 4 bab 3 quizziz".
6. For every topic you are done studying, use a reminder app on your phone to remind yourself to **revise that topic in the next 2 days**. This is where the magic happens, so if you don't like a nerd explanation on why we are doing this you can read the next step.

What you are essentially doing is something called **spaced repetition**, which means you revise or reread the same information or subject over certain time intervals. Usually, most people would just read one long piece of information, call it a day, and never look back. When they read that same information after a long period of time again, it'd be as if it's their first time reading that information, even though they have read that information a long time ago. This is because of the forgetting curve, in which it explains the percentage of information we only remember over a long period of time if we don't revise that same information. Therefore to overcome this curve, we remind ourselves to revise certain subjects/topics after some specific time intervals, where each time interval increases as we revise the same information again and again.

7. After 2 days, revise the same topic/chapter by looking at all of the pages of that chapter in your textbook again. This time, **read it at a fast pace, not too fast, just a bit fast**. This helps you to save time and regain back all of the information your brain still retains for 2 days. After that, if possible, go to the end of the chapter where questions are asked to attest your knowledge on this chapter. Try to answer all of the questions without looking back at the back pages. If you are really stuck, then move on to another question and come back to that same question later. You may refer to the subtopic if you are REALLY

stuck on that chapter. Once you are done answering the questions, call it a day for that topic. **Remind yourself to revise that same topic after 3 days.**

8. After 3 days since revising that subject, this time, do questions regarding that topic from any sources you may use. It can be a question from SPM trial papers, reference books or online questions about that topic. **Only refer to your textbook and search for answers if you are really stuck.** Another good thing to do is, if you encounter a KBAT question and have no idea what the answer is, read, understand first before memorising the answer. This is useful as you can upgrade your critical thinking skills. If the subject has essay questions, it's time for you to do them as well. **Remind yourself to revise that same topic after 5 days.**
9. After 5 days, it's time for you to really depend on your memory and knowledge. Try to **primarily focus on doing exercises only, including objective, subjective and essay questions.** Only refer to the textbook after you are done marking to see any mistakes you have made. **Remind yourself to revise that same topic after 7 days.**
10. After 7 days, it's time to fully focus on just doing exercises. This time, **do any exercises which resemble an actual SPM question.** For instance, you can find topical exercise books where for each topic/chapter, they have a certain amount of objective questions, subjective questions and essay questions, structured like an actual SPM paper. Try to finish all exercises before you start marking and remembering any mistakes.
11. After that you are done! However, you should always try to remind yourself to revise this same subject/topic every often, just extending the amount of days to revise that same information. For instance after 7 days, revise it in the next 11, 13, 17, 19 and so on days, as long as the number of days is a prime number. I found out that the numbers 2, 3, 5 and 7 are prime numbers.

For instance, using this technique, let's say on day 1, I revised a Biology chapter. After resting for a while, I revised a Sejarah chapter (note that you can revise multiple chapters in a day, just make sure to give yourself some rest). On day 2, I revised a Pendidikan Moral chapter and Chemistry chapter. On day 3, I revised that same Biology and Sejarah chapter back on day 1, before revising newer chapters/subjects.

## POMODORO TECHNIQUE

Pomodoro technique is a time management method which is particularly useful if you are going to study a subject/chapter which has a lot of information to read. This works by making sure you have a small break between each learning session before moving on so you still have energy to study.

1. Pick any subject/chapter to study. Then, **study it for 25 - 30 minutes.**
2. Rest for 5 minutes.
3. Continue studying that same subject/chapter for another 25 - 30 minutes.
4. Rest for 5 minutes.
5. Repeat step 1 - 4 two times. (in total, you should have spent around 100 - 120 minutes studying with a total of 20 minutes of resting).
6. On the fourth Pomodoro, instead of resting for 5 minutes, rest for 15 - 30 minutes.
7. Repeat the whole process.

This technique **can be applied with 2357 studying method.**

## FEYNMAN TECHNIQUE

You can strengthen your understanding and memory of a subject/chapter by using this method whenever possible. Richard Feynman, an American Physicist, discovered that **teaching something you have learnt to other people, like a child, using simple words, can help you to learn something better and indirectly help you to remember something better.**

1. Pick any subject/chapter to learn.
2. Once you are done learning it, try to simplify it and explain it to someone. Richard Feynman suggests you should try to explain it to a child as it forces you to **translate your knowledge from a complicated level of comprehension to a simple level of comprehension at which everyone can understand fully.**
3. After you are done teaching, do some reflections by identifying any gaps or weaknesses in your teaching to ensure you don't make the same mistake again.
4. Read back your textbook for extra reflection.

Personally, I find that **doing presentations in front of your class or a large group of people to teach them something**, is the best way to apply this technique.

## USING THE TEXTBOOK CORRECTLY

Textbook can be long, but **exam questions including SPM have answers which are from the textbook itself**. If there's any question that can be answered using the textbook, your textbook is the best source of answer. **Don't memorise answers that come from reference books or exercises when it comes to basic questions**. Only do so if the question itself is KBAT. Here's a great video tutorial on how you can memorise almost everything from a textbook:

<https://www.youtube.com/watch?v=nqYmmZKY4sA&pp=ygUeYWJzb3JiIHRleHRib29rcyBsaWtlIGEgc3Bvbmdl>

## DOING TRIAL PAPERS

SPM Trial Papers are named like so for a reason, **they resemble papers which are like SPM examination papers**. Therefore, you should spend time doing trial papers whenever possible, **especially before SPM trials and actual SPM**. Doing trial papers allows you to understand how to answer a question, how to get full marks and how to answer certain KBAT questions. Keep in mind that **KPM has stated that starting from 2022, they have set the amount of KBAT questions to appear in a SPM paper as 50% of the entire paper**. So, you can do trial papers for FREE by visiting this website:

<https://trial.smpaper.me/>

## GOOGLE FORMS

Google Forms are the best source for you to do and improve **Paper 1 or objective papers**. If you stumble upon any Google Forms of any subjects which consist of objective questions, you should spend time doing them to improve your Paper 1. **This is very useful if you need to improve your Sejarah Kertas 1 paper**.

## DICTIONARIES AND APPS

If it wasn't for these dictionaries, I wouldn't have been able to create my handmade dictionaries for each language subject. These dictionaries are online and they are FREE to use. If you have the latest version of any physical dictionary for a subject, then that would be the best, but here are some online dictionaries which don't require money to use:

**Kamus Pro (best dictionary for Bahasa Melayu) -**

<https://apps.apple.com/my/app/kamus-pro/id566258550>

<https://play.google.com/store/apps/details?id=kamuspro.mobile.pack&hl=en&gl=US>

**Cambridge Dictionary +Plus (English) -**

<https://apps.apple.com/my/app/cambridge-dictionary-plus/id1586255267>

<https://play.google.com/store/apps/details?id=org.cambridge.cdo.plus&hl=en&gl=US>

**网易有道词典 (Bahasa Cina) iOS only -**

<https://apps.apple.com/my/app/%E7%BD%91%E6%98%93%E6%9C%89%E9%81%93%E8%AF%8D%E5%85%B8-%E9%AB%98%E6%95%88%E5%AD%A6%E4%B9%A0app/id353115739>

**汉语词典 (Bahasa Cina) -**

<https://play.google.com/store/apps/details?id=com.wxy.dictionary&hl=en&gl=GB>

**Maksudperibahasa (Peribahasa Bahasa Melayu) -**

<https://maksudperibahasa.com/>

**SPM Essay (iOS ONLY) -**

<https://apps.apple.com/kh/app/spm-essay/id1584217991>

**Karangan Cemerlang SPM (Android ONLY) -**

<https://play.google.com/store/apps/details?id=net.ticherhaz.karangancemerlangspm&hl=en&gl=US>

## 为成年 **highschool.my (CHINESE STUDENTS ONLY)**

highschool.my is an educational organisation where they help middle school students in terms of their studies and future. Every year, they will launch a program where they invite famous or experienced tutors in Malaysia to give students exam tips and techniques on certain subjects. Unfortunately, this is only limited to students who can speak Chinese as this program is only conducted in Mandarin mostly. The program hosts live streams for each subject on YouTube.

[https://www.youtube.com/@HighSchool\\_my](https://www.youtube.com/@HighSchool_my)

## **TELEGRAM GROUPS**

Telegram has tons of groups dedicated to helping SPM students. You should participate in these groups in order to gain many tips and resources in order to optimise your study flow.

### **SPM GROUP BATCH 07 // 08**

A GROUP FOR DISCUSSIONS, ASKING HOMEWORK-RELATED QUESTIONS

[https://t.me/studytips\\_spm](https://t.me/studytips_spm)

### **NOTA & MODUL SPM KSSM 07 // 08**

GET **ALL NOTES AND MODULS FOR ALMOST ALL SUBJECTS FOR FREE.**

<https://t.me/spmstudytips>

### **Preloved SPM books!**

BUY EXERCISE BOOKS AT VERY CHEAP PRICES

<https://t.me/bukuspmterpakai>

There are many other Telegram groups which can help your studies, so you should always look out for any useful groups.

## **DIY RAMALAN**

As a senior, I must tell you something about SPM ramalans. **NEVER EVER TRUST RAMALANS MADE BY ANYONE ELSE.** Last year's SPM ramalans

were so inaccurate because most hot topics did not come out in the papers. You have to know that anything unexpected is going to happen in SPM. With that being said, if you really want to create a ramalan by yourself which is slightly more accurate than ramalans made by other people, then you can do so **by analysing every single state's SPM trial papers**. For each chapter of a subject, write down the frequency which shows how many times this chapter has appeared. For example, if the frequency of Sejarah Bab 4 is 5, that means out of all states, 5 trial papers test your knowledge on Sejarah Bab 4. After noting down all the chapter's frequency, determine which chapters have the highest frequency. Those chapters **have the highest possibility to come out in SPM, BUT NOT GUARANTEED**. Remember, anything can happen in SPM, so always be prepared for cold-spot questions. Because of this method, it saved me in my SPM 2023 when the first question of Kertas 2 is Tingkatan 4 Bab 3 in which it asks us about *faktor-faktor kedatangan Jepun ke negara kita* and it was a cold-spot question at that time (since Jepun-related questions have come out in SPM 2022).

TINGKATAN 4:

BAB	JUMALH YANG MUNCUL
1	14*****
2	15***** YES <input type="checkbox"/>
3	12*****
4	1
5	12*****
6	6**
7	12***** YES
8	8****
9	4
10	9***** YES

In the above example which is an analysis of Sejarah Tingkatan 4 chapters, Bab 2 and Bab 1 both have the highest frequencies, meaning these 2 chapters came out pretty often in SPM trial papers. But in the end, Bab 2 came out in the exam whereas Bab 1 DID NOT. This goes to show how SPM can be unpredictable.

## FINAL WORDS

This is it! These are the only tips and tricks that I can provide to help you ace your studies and eventually your SPM. Hopefully these can help you to better understand a subject and answer all sorts of questions with full confidence in exams.

My one final tip for you, is to **love the subjects**. My Form 4 Biology teacher who is now retired, Pn. Sunita once said: “If you want to improve on Bio, you must love Bio.” At first I never really took this advice seriously, but after she left, I started to force myself to love Bio by reading and asking more Bio-related questions. Eventually, I can safely say that my Bio has significantly improved ever since I started to love Bio. Therefore, if you want to excel in one subject, you have to love that subject. Or even better, **start to love studying by today**. No masters or professionals call themselves experienced in doing what they do if they don’t love what they do.

Another important thing to note, **consistency wins over spontaneous motivation**. Rome was not built in a day. In other words, don’t rush things in the span of a short period of time. You are not going to suddenly become a pro in Sejarah in one-day-time. It takes time to be good at Sejarah, and the best thing you can do now is to be consistent. Don’t just study one subject everyday, mix different subjects. This allows you to maintain equal and steady momentum for each subject, which allows you to take full control of consistency.

Farewell, good luck, all the best.

**YOUR HIDDEN ACQUAINTANCE,**

Two handwritten signatures in blue ink. The first signature is on the left and the second is on the right. Both are stylized and cursive.

**Mr. X**

**Ex-student from SMK Seafield, Selangor.**