Una

UnaGPT

AI Self-learning Exercises System for All Subjects

Utilize advanced AI technology to instantly analyze detailed answers, identify true shortcomings, and offer personalized suggestions!

Partner:

SCHOOL OF COMPUTING & DATA SCIENCE
The University of Hong Kong



una.study/unagpt

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All-in-One AI-Assisted Learning System

With the guidance of educators, students are empowered to engage in personalized and independent learning experiences.

STEP 01

AI Handwriting Recognition

- Chinese & English writing, reading, and listening
- Mathematics, Science and ICT
- Business , Arts, CSD and others

STEP 02

AI Automatic Grading

- **Customized** School Content
- Real-time feedback on cloud
- Consistent Evaluation and Personalized Feedback

STEP 03

AI Report Generation

- Individual and Class Reports
- Step/Paragraph Analysis, Logical error detection
- **Writing Techniques Analysis, e.g.** grammar error, sentence rewriting, content suggestions, correction wizard

Why Do More Than 100 Schools Trust UnaGPT?



Principal Kam Wai Ming
HKSKH Bishop Hall Secondary School

I choose UnaGPT because I have a lot of confidence in the system's privacy and data security. The support from the Una team for schools is very important, as teachers need time to adjust to new systems. **What attracts me most about UnaGPT is that it is a single platform suitable for all subjects**. Once students become familiar with one system, they won't need to learn another, making it easier for teachers to adapt. This also simplifies technical support within the school, making operations more efficient and smoother. UnaGPT can save teachers time in lesson planning, data analysis, and addressing individual differences. Thus, teachers can interact more with students and better understand their needs.



Principal Wong Wing Tung (William)
Man Kwan Pak Kau College

Even in small class settings, teachers must manage at least ten to twenty students, making it impossible to attend to each one adequately. AI could be helpful in providing a **more personalized learning experience**.



Vice Principal Cheung Wing Tai
Man Kwan Pak Kau College

UnaGPT is a tool that **helps teachers evaluate students' performance and enables students to self-learn.** It is **easy to use** and can be utilized across **multiple subjects**.



IT Panel Head Mr. Lai
HKSKH Bishop Hall Secondary School

I find that **the Una team has strong research and development capabilities**. Once they understood our various needs in the mathematics subject, they developed numerous customized solutions for schools, enabling us to utilize the platform in daily classes to facilitate teaching.

Unwire
Media Coverage

AI enters schools — huge success
Principal's Insights: Soaring Results in Chinese, English, and Math

OCR Handwriting Recognition Supports All Subjects

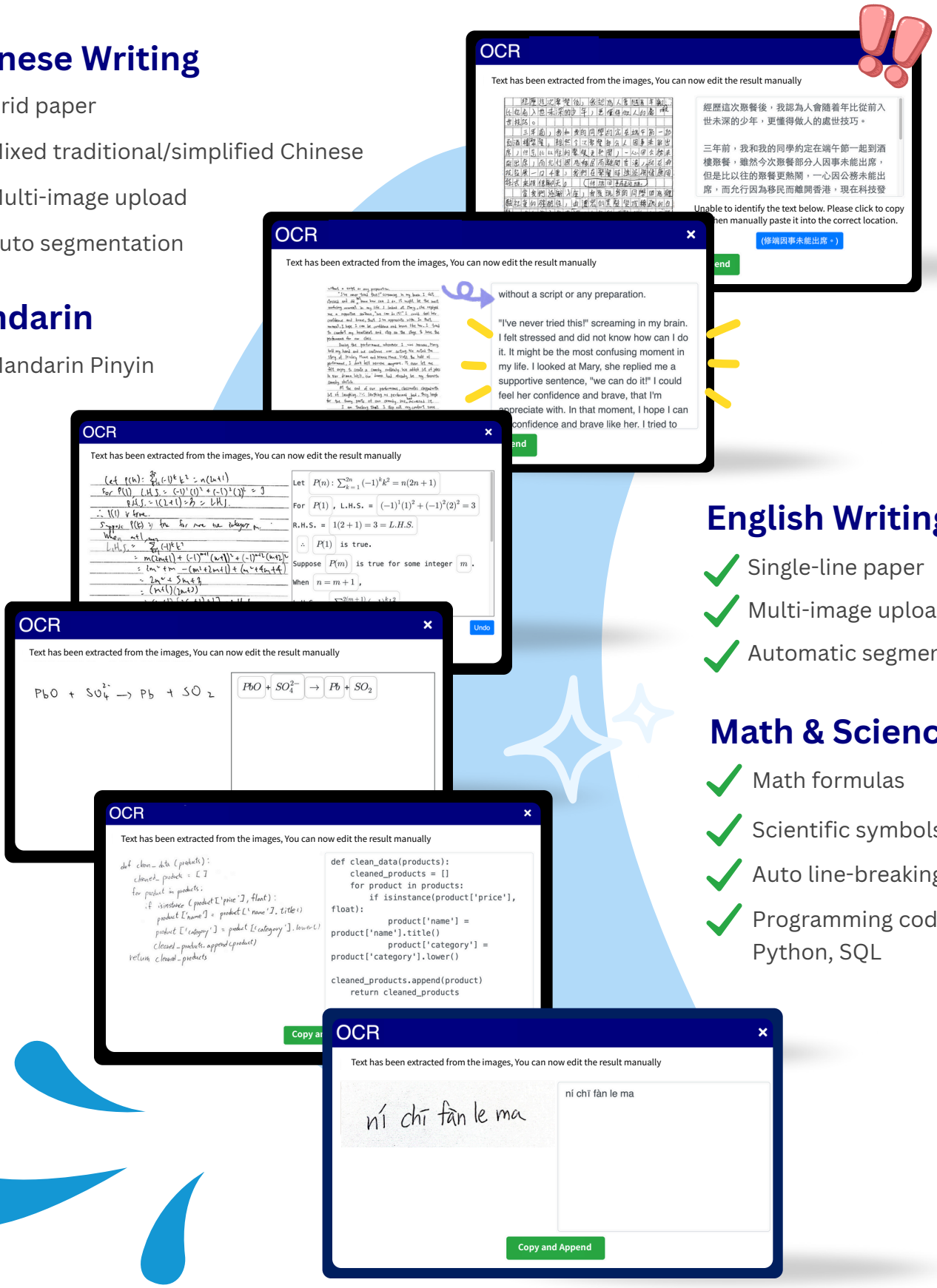
One platform, automatic handwriting recognition for all subjects!

Chinese Writing

- Grid paper
- Mixed traditional/simplified Chinese
- Multi-image upload
- Auto segmentation

Mandarin

- Mandarin Pinyin



English Writing

- Single-line paper
- Multi-image upload
- Automatic segmentation

Math & Science

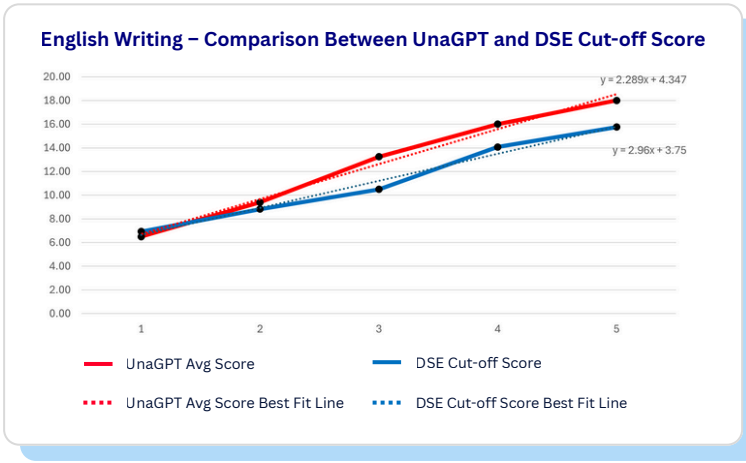
- Math formulas
- Scientific symbols
- Auto line-breaking
- Programming code like Python, SQL

Significantly Improve AI Grading Accuracy!

With Una's refinement of DSE grading criteria, grading accuracy could reach 100%

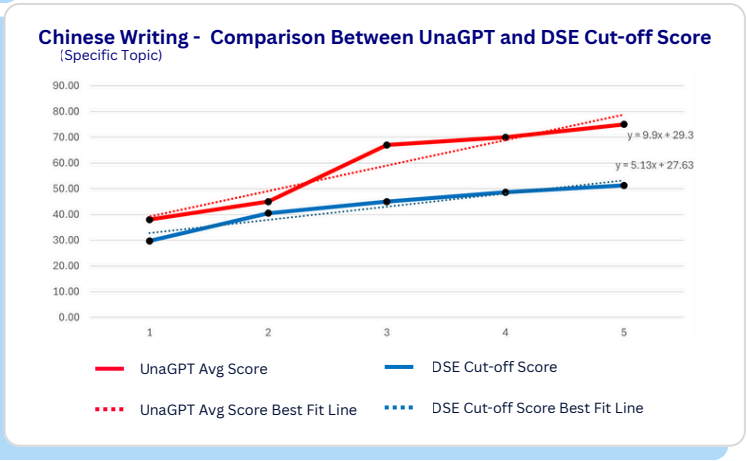
DSE Subject	Accuracy of commonly used AI tools	Accuracy of UnaGPT
English Reading (2023 DSE English Paper 1 Part A)	93.8%	100.0% (+6%)
Chinese Reading (2023 DSE Chinese Paper 1)	78.6%	92.9% (+6%)
Mathematics Paper 1 (2023 DSE Mathematics Paper 1)	100.0%	100.0%
Mathematics Extended Part – Module 1 (M1) (2023 DSE Mathematics M1)	75.0%	83.3% (+8%)
Mathematics Extended Part – Module 2 (M2) (2022 DSE Mathematics M2)	83.3%	83.3%
Physics (2023 DSE Physics Paper 1B)	77.8%	88.9% (+11%)
Chemistry (2024 DSE Chemistry Paper 1B)	92.9%	100.0% (+7%)
Biology (2023 DSE Biology Paper 1B)	90.9%	90.9%
Economics (2024 DSE Economics Paper 1B)	72.2%	100.0% (+28%)
Citizenship and Social Development (DSE CSD Sample Paper)	66.7%	100.0% (+33%)
ICT (DSE ICT Paper 1B)	80.0%	80.0%

The above research results directly adopt the DSE grading criteria without optimization by Una's tutors. Accuracy calculations allow for a one-mark margin of error (0 → 0, 1 → 1/2, ≥2 → ±1 mark).









One-stop AI Teaching Support

Intelligent learning engine that enhances teaching effectiveness



Customizable exercises and grading criteria

Teachers can **freely create practice activities**, **customize grading criteria**, and insert learning materials.

Encourage correction, strive for improvement

After reading AI feedback, **students can revise their answers and try again, encouraging continuous improvement.** Teachers can set a maximum number of attempts (1, 2, or 3).

Student appeals, teacher review

When a student **submits an appeal**, the system **immediately notifies the teacher for review**, providing an opportunity to guide the student's learning.

Generate AI Class Report

Teachers can generate class AI reports to **quickly identify common student errors** and adjust instructional focus accordingly.

Edit and download Individual AI report

Teachers can **revise AI feedback**, download individual reports, and select the report language (English, Traditional Chinese, or Simplified Chinese)

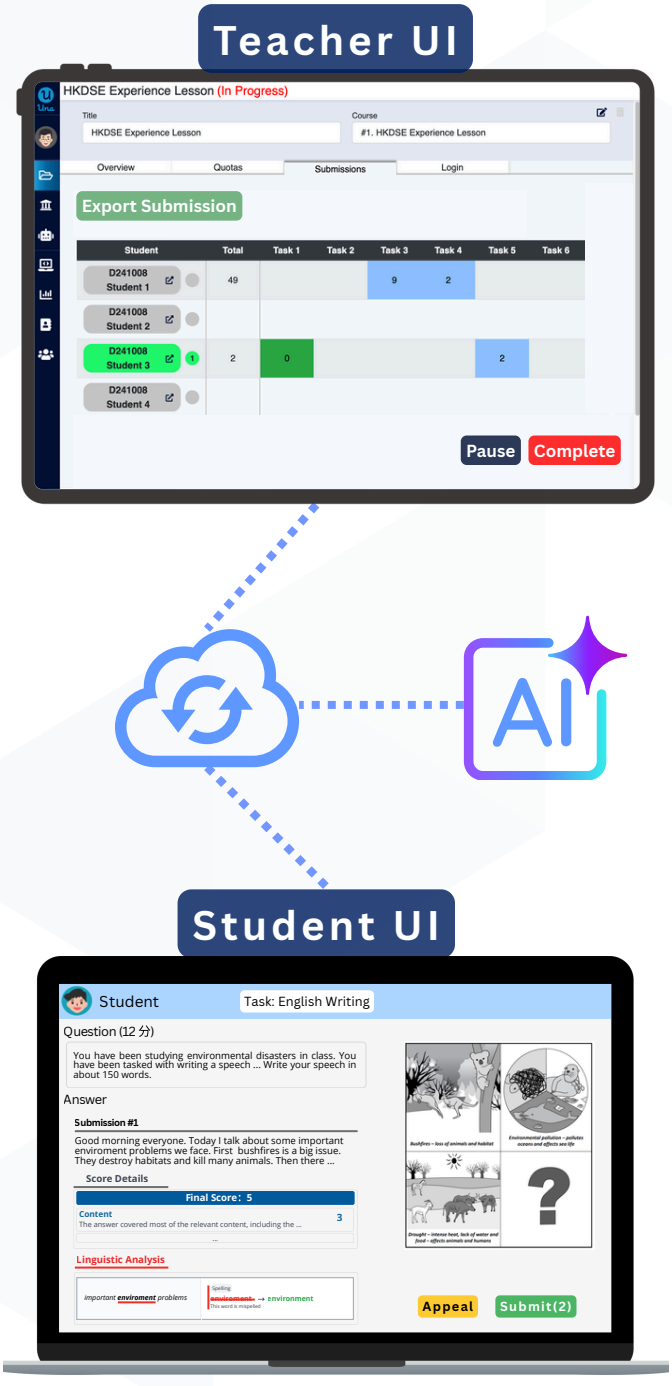
Protect personal privacy

Student responses **will not be used to train third-party AI models**, and AI evaluations do not include personal data—ensuring privacy protection.



Cloud-based Real-time Virtual Classroom

A school management system empowers teachers to monitor AI usage



Flexible management of lesson flow

Supports real-time or post-review publication of AI-generated reports. Teachers can **initiate, pause, and end** classroom sessions, with “waiting points” to **flexibly manage lesson flow**.

Integrate self-study materials into the learning process

Supports **text, images, audio, and video** formats.

Safeguard students' ongoing education

Cloud-based auto-saving of student responses ensures that learning can continue seamlessly across devices and networks, even in the event of unexpected technical issues such as power outages or Wi-Fi disruptions.

Students forgot their passwords ?

Teachers can issue a one-time login code for immediate access

To ensure uninterrupted learning, teachers can **generate a one-time password** for students who forget theirs, allowing them to log in smoothly.

Dedicated technical assistance and ongoing teacher training

A professional Hong Kong-based team with seven years of experience serving schools, offering high-quality technical support with **prompt responses** via email and WhatsApp.

HKDSE Chinese Language

Breakthrough in handwritten Chinese OCR

Deep recognition and intelligent text suggestion enables students to upload and make corrections quickly

The system optimizes OCR technology specifically for handwritten Chinese, significantly improving the recognition rate of Chinese characters and providing a more accurate text foundation for AI grading.The exclusive "**Text Suggestion**" feature provides a uniquely designed solution for characters that the OCR fails to recognize accurately, enabling students easily make corrections.



- Upload multiple images at once
- Automatic segmentation
- Both Traditional and Simplified Chinese are acceptable

Intelligent Correction, Revolutionizing Chinese Composition Teaching

Aligned with the HKDSE standard enables **efficient and time-saving** grading of Chinese composition





- Linguistic error statistics and suggestions
- Sentence rewrite suggestions & samples
- Paragraph Structure and Coherence Analysis
- Remarkable text appreciation
- Logical error detection
- Content depth and structure recommendations

No fear of lengthy content

Accurately assesses **practical writing**; any missed points are immediately clear

Students are required to summarize information to complete practical writing tasks.The system accurately scores and marks responses based on **the grading criteria provided by teachers.** AI-generated reports comprehensively analyze students' content, organization, and formatting, enabling students to easily identify missed scoring items and improve their practical writing skills!

Answer

Submission #1

大家早上好！我是學生會主席王天欣。今天，我想和大家談談我們即將推行的「綠色生活 『無塑』校園」行動。首先，我們都知道，學校的固體廢物問題非常嚴重，垃圾中有超過六成是塑膠製品。因此，我們決定停售所有塑膠樽裝飲料，並在每個樓層增設飲水機。...

Scoring Details

Total Marks：25

身分：學生會主席王天欣 提及身分。	1
行動名稱：「綠色生活 『無塑』校園」行動 提及行動名稱。	1
...	

Linguistic Error

例如，冬冬同學擔心，停售塑膠樽裝飲料後，大家最喜歡的「能量水」也沒有了，以後練習完籃球，沒有東西可以喝。	用詞不當 ~~沒有東西可以喝~~ → **沒有飲品補充體力** 「東西」一詞的指代範圍過於籠統且偏向口語化，在演講等較正式的場合中，應使用更具體、更書面化的詞語。

Paragraph Analysis

首先，我們都知道，學校的固體廢物問題非常嚴重，垃圾中有超過六成是塑膠製品。	段落概述了行動背景、具體措施以及同學的不同意見。嘗試論證行動的必要性，但**未能有效回應**反對意見 ... **建議** 針對同學提出的疑慮，應逐一提出具體可行的解決方案或應對措施，以**增強說服力**。 原文：雖然停售塑膠樽裝飲料和不提供即棄塑膠餐具會帶來一些不便，但這些不便是 ... 建議修訂：我知道有同學擔心停售樽裝飲品會帶來不便，特別是運動後想補充體力。其實 ...

Overall Feedback

Reasoning Problem

事實不準確(Factual Inaccuracy)

我們還計劃在校園內種植更多的樹木，因為這樣可以減少塑膠垃圾。大家都知道，樹木可以吸收塑膠，所以多種樹就能減少塑膠垃圾。

樹木不能吸收塑膠。種植樹木有助環保，但與減少校園內的塑膠垃圾沒有直接關係。

自我矛盾(self-contradiction)

獲勝的班級將獲得一個全新的塑膠製品大禮包。

舉辦「無塑」比賽，旨在鼓勵減少塑膠使用，但獎品卻是塑膠製品，這與活動目的自相矛盾。

Question (50 marks)

杏壇中學學生會擬發起「綠色生活 『無塑』校園」行動，此舉引起同學的討論。試以杏壇中學學生會主席王天欣名義，撰寫一篇演講辭，在早會上向全體師生演講，針對同學的意見，游說他們支持該行動。細閱以下資料，然後完成寫作任務。

資料一：杏壇中學學生會「綠色生活 『無塑』校園」宣傳單張

鑒於我校的固體廢物問題嚴重，而垃圾中又有逾六成是塑膠製品，學生會擬於本學年發起「綠色生活 『無塑』校園」行動，期望提高同學的環保意識，培養良好的生活習慣，實行源頭減廢。

行動詳情如下：

「走塑」行動	配合措施
停售所有塑膠樽裝飲料	每個樓層增設飲水機
不提供即棄塑膠餐具	於食物部旁設置餐具洗滌區

「走塑」行動，齊來支持！

資料二：學生會討論區對話節錄

...

HKDSE Chinese Language

Flexible settings, accurate assessment

Customize **school-based scoring criteria**

Teachers can flexibly design Chinese writing topics, including **idiom sentence-making and rhetorical training.** AI grades based on guidelines, providing students with personalized reports that highlight scoring factors and improvement areas.

- Question setup
- Score setup
- Word limit
- Marks deduction mechanism





AI grading supports diversified question types

Comprehensive training in reading comprehension

The system supports questions for the Chinese Language reading paper, covering **prescribed texts, classical Chinese, and vernacular Chinese**. Teachers can also create their own reading materials for school-based training to assess students' comprehension skills and further promote AI-powered self-learning.

TEACHER & STUDENT TESTIMONIALS OF CHINESE LANGUAGE



Mr. Man
Teacher of Chinese Language,
Man Kwan Pak Kau College

Students, especially those in junior high, often fear writing long essays or find it boring. After using UnaGPT, I've noticed that **students' attitudes in class have become much more enthusiastic than before !** I see them learning AI content at their own pace and continuously striving to improve. Initially, I was worried that students might resist due to their scores, **but it turns out that bright students can become even brighter and those who previously struggled with learning can also make progress, which has surprised me !** No matter how meticulously teachers want to grade essays, time is always limited. I've seen that UnaGPT can assist teachers with parts of the essay grading process, **allowing us more time for lesson preparation**.

Usually, it takes a long time for teachers to mark our essays, but UnaGPT can quickly point out mistakes or areas for improvement. This allows us to follow up on the parts that need **revision more efficiently.**



Ms. Lam
Form 1 student,
Man Kwan Pak Kau College



Mr. Mo
Form 1 student,
Man Kwan Pak Kau College

After using UnaGPT, we've all come to

enjoy writing Chinese essays more and more !

HKDSE English Language



OCR English handwriting optimization

Allows students to convert handwritten answers more **quickly**

Students can begin by handwriting their essays on traditional paper (with the option to use keyboard input as well). Using OCR technology optimized for English handwriting, their work can then be swiftly converted to a digital format and submitted. This learning mode not only aligns with the requirements of the HKDSE exam, but also encourages students to appreciate the importance of clear handwriting from an early stage, while maximizing the benefits of AI technology to improve learning efficiency.

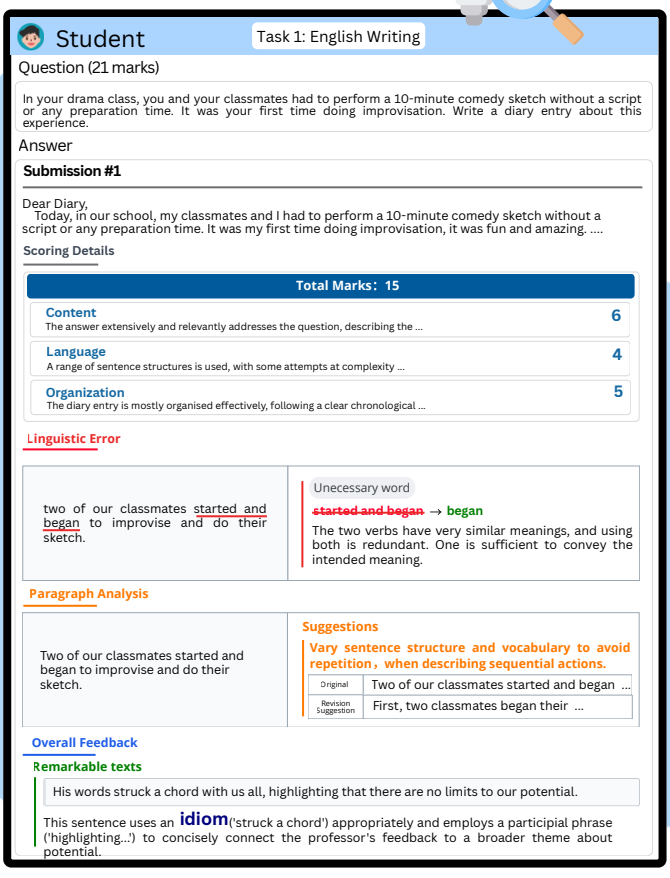
- Batch upload multiple images
- Auto paragraph segmentation



High-Efficiency AI Grading for English Essays

Instantly and **accurately** marks compositions, aligned with HKDSE marking standards

Teachers can flexibly set any English writing topics and word count requirements. Choose your preferred report language (Chinese or English) and utilize the built-in **HKDSE CLO** marking standards. The system seamlessly integrates specific **school-based assessment requirements**, ensuring AI delivers highly accurate grading and feedback tasks.Generally, students can receive detailed, personalized AI analysis reports in ~2 minutes, with targeted guidance to rapidly enhance their writing skills.



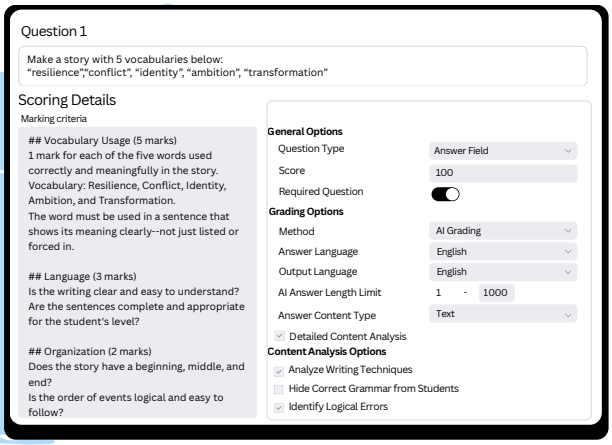


- Linguistic error
- Sentence revision
- Paragraph analysis
- Logical error detection
- Remarkable text appreciation
- Content suggestions

Vocabulary sentence-making and short essay creation

Intelligent grading **English vocabulary short essay writing**

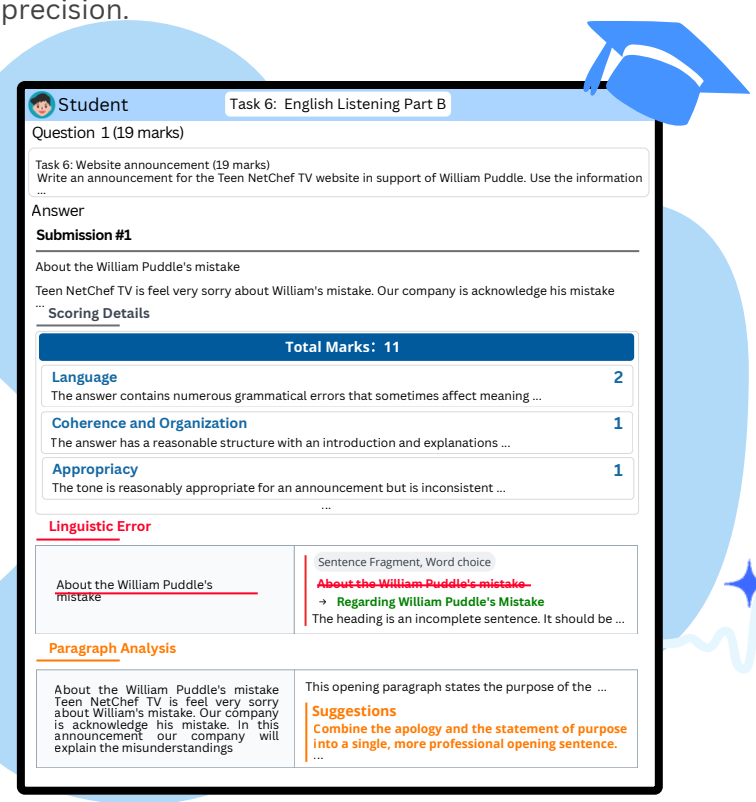
Teachers can customize English writing tasks such as **vocabulary sentence-making, short essay creation** and so on. With the system intelligently grading based on assessment criteria, covering **grammar, vocabulary, sentence structure and content expression.** It enhances grading efficiency and teaching precision.

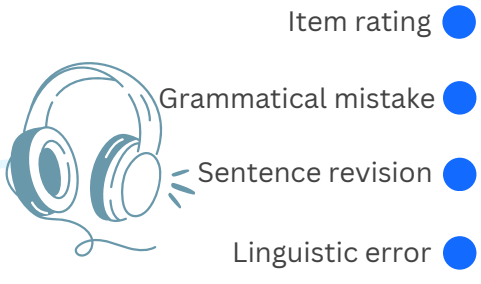


Integrate customized items with HKDSE grading criteria

Listening and integrated section Automated grading process

Teachers can input **scoring requirements for each item** based on the question's needs, aligning with built-in HKDSE CLO grading standards for precise evaluation of responses.

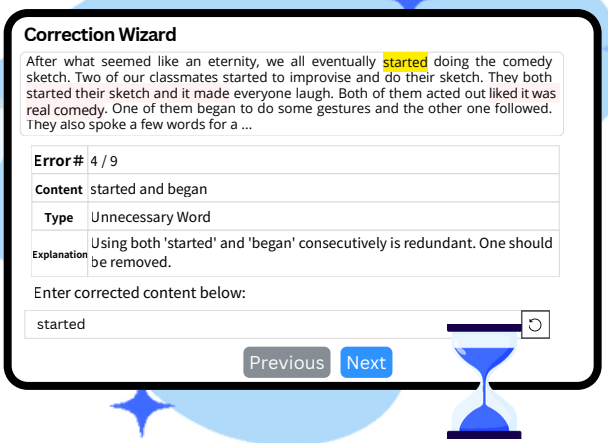




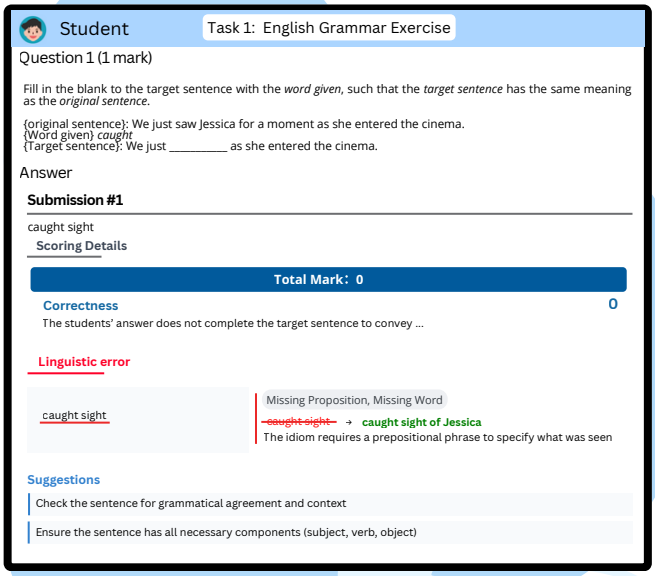
Correction Wizard (Designed for Writing)

Speedy correction tool inspiring student **Re-attempts**

Say goodbye to time-consuming, demotivating correction! Students can now **instantly fix mistakes** and boost their learning efficiency by utilizing Correction Wizard . Teachers can easily track student progress across multiple attempts, seeing how effectively they leverage AI tools for deeper understanding.



HKDSE English Language



Vocabulary and Grammar Training

Precise Feedback **Vocabulary and Grammar Exercises**

Intelligent assessment with comprehensive support for English grammar exercises, **capable of flexibly recognizing multiple correct answers** and using AI technology to accurately determine the correctness of student responses while analyzing learning outcomes.

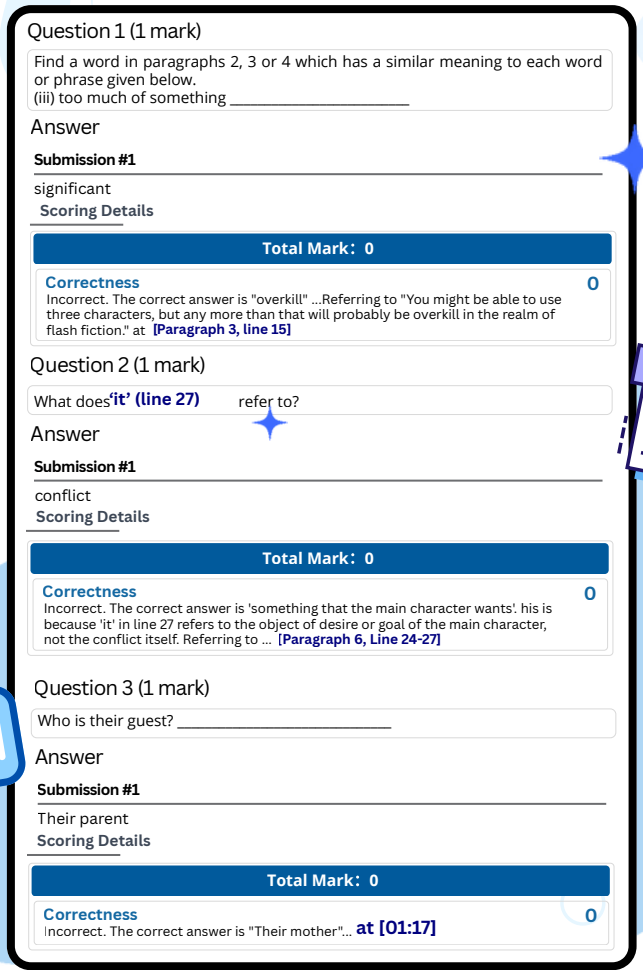
- Item rating
- Grammatical mistake
- Specific Suggestions

Diverse AI automated grading

Full Support various English **self-learning practices**

Comprehensive support for various English self-learning practice types: **writing, reading, listening, grammar, and more.** AI precisely analyzes student mistakes, integrates rich resources **(articles, videos, and audio)**, helping students easily identify weaknesses and fully enhance their English skills!

- articles
- videos
- audios



TEACHER & STUDENT TESTIMONIALS OF ENGLISH LANGUAGE



Ms. Chan
English Panel Head,
Man Kwan Pak Kau College

After using UnaGPT, students can **quickly identify all their mistakes** and make the necessary corrections, which I think encourages them to **continue improving**! Additionally, **I can freely utilize the system** to help students practice exams based on the TSA criteria, or for high school students, I can apply the DSE criteria for evaluation.

Actually, students do enjoy learning and are eager to receive feedback. However, if they have to wait too long, their enthusiasm may fade. UnaGPT helps address this issue effectively. In fact, students can **get ideas from the AI on how to optimize their English writing.**



Ms. Tse
Principal Officer,
Man Kwan Pak Kau College



Mr. Ng
Form 1 student,
Man Kwan Pak Kau College

People tend to be more subjective compared with AI. Whenever we receive feedback from UnaGPT, **we will ask our teacher if there's anything we are unsure about**. After using UnaGPT, we've started ...

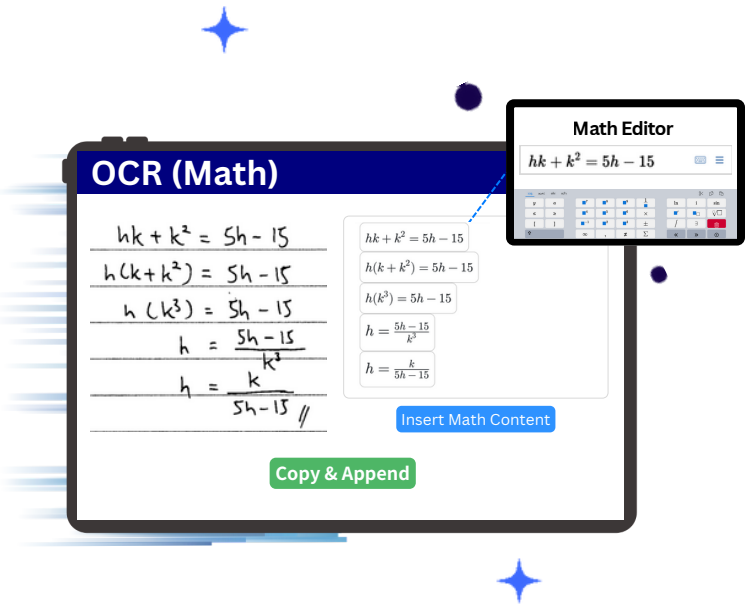
enjoying writing English essays even more!

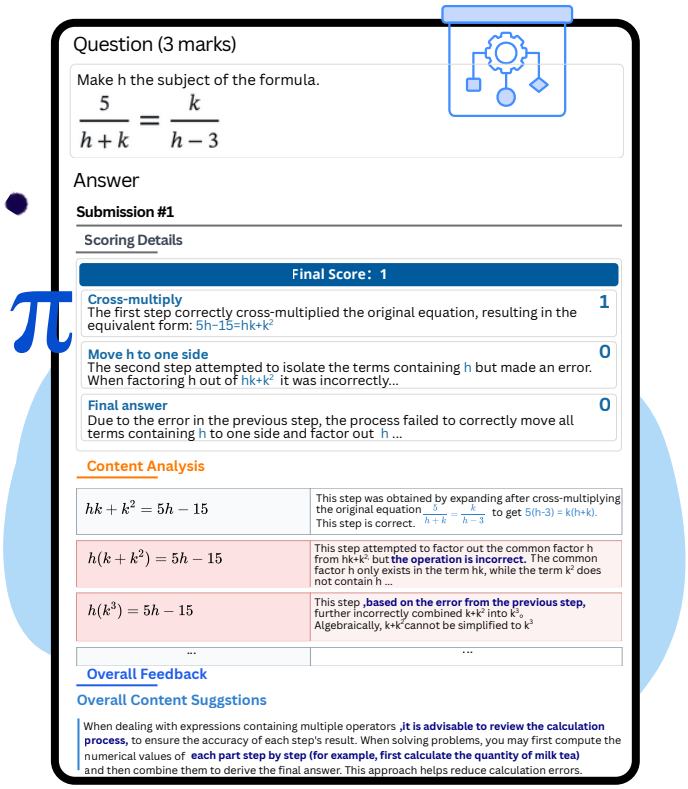
Intelligent OCR for Math Expressions

Handwritten Formulas, Digitized **Instantly**

Harness our system's advanced OCR technology to convert handwritten formulas and text content with effortless accuracy instantly. Minor errors? No problem! Students can quickly correct them directly in the **Math Editor**, no re-upload needed.

- Bulk Upload
- Conversion of Formulas & Text
- Quick Edits





Analyze Math Solutions Step-by-Step

Intelligent Grading for HKDSE: Delivering **Precise Insights**

Teachers can define their own math problems and set HKDSE-aligned **step marks (M) and answer marks (A)**. Our AI then intelligently scores and grades them, supporting everything from text-based to complex calculations. From primary school to advanced HKDSE **M1/M2** levels, and covering diverse question types, students receive personalized AI reports in just about a minute. They can instantly identify calculation errors and attempt revisions.

- Mathematical Induction
- Calculus
- Algebra
- Probability

TEACHER & STUDENT TESTIMONIALS OF MATHEMATICS



Ms. Leung
Teacher of Mathematics,
HKSKH Bishop Hall Secondary School

I assign practice exercises for students to complete on UnaGPT, where the AI handles corrections and provides **accurate feedback**, thereby **saving valuable time.** More capable students are also able to self-correct with the provided guidance! UnaGPT transforms into a **capable "little teacher"** for students, providing accurate support and helping them strengthen their understanding

In addition to helping students understand mathematical operations, we also discuss grading criteria with them to clarify which steps can earn points. The UnaGPT platform scores students' answers and **clearly outlines the reasons for scoring, providing very detailed explanations!**



Mr. Kwan
Head of Mathematics Department,
HKSKH Bishop Hall Secondary School



Mr. Cheung
Form five student, HKSKH Bishop Hall Secondary School

UnaGPT requires us to answer in more detail to score points, which **reminds us to write out the steps** as much as possible in public exams to avoid losing marks. After using UnaGPT, we also enjoy math more!

My favorite feature of UnaGPT is its photo function. It solves the problem of having to manually type equations into the computer by **automatically converting handwritten answers**. After using UnaGPT,

we've also grown to enjoy Math more!



Mr. Wong
Form five student, HKSKH Bishop Hall Secondary School

Application Questions

Physics

Deeply analyze student calculation processes to precisely identify **overlooked blind spots.**

Question (3 marks)

An iron cube of mass 200g is heated to a few hundred degree Celsius (say at T °C). It is then quickly transferred into a polystyrene cup containing 600g of water. The cube is totally immersed in the water. The temperature of the heated iron cube can be estimated in this experiment. Assume that no heat is lost to the surroundings and neglect the heat capacity of the polystyrene cup. The temperature of water recorded by the thermometer rises from 25 °C to 33 °C. Estimate T. Given: The specific heat capacities of iron and water are 450J kg^{-1} $°C^{-1}$ and 4200J kg^{-1} $°C^{-1}$ respectively.

Answer

Submission #1

4200 * (33-25) * 0.6=20160J
450 * 0.2 * (T-33)=20160
T-33=22.4
T=55.4

Scoring Details

Final Score: 2

Calculation of energy gained by water 1
he expression for the energy gained by the water is **correctly formulated** and calculated ...

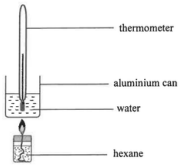
Expression for energy lost by iron cube 1
The expression for the energy lost by the iron cube, involving the unknown initial temperature T ...

Calculation of initial temperature T 0
The equation equating energy lost and energy gained was set up correctly.
However, when solving for the temperature difference (T-33), **a calculation error occurred** which resulted in an incorrect final value for T.

Question (2 marks)

Hexane (C6H14) is a liquid fuel. Under certain experimental conditions, the enthalpy change of combustion of hexane was determined using the following set-up. The combustion of 0.120 g of hexane increased the temperature of 100.0 g of water by 13.4 °C.

Calculate the enthalpy change of combustion of hexane, in kJ mol − 1 , under these experimental conditions. (Assume that the heat capacity of the aluminium can is negligible and the specific heat capacity of water is 4.20 J g − 1 K − 1 .) (Relative atomic masses: H = 1.0, C = 12.0)



Answer

Scoring Details

Final Score: 1

Calculation of energy absorbed by water 1
The calculation correctly determines the energy absorbed by the water using the given data.

Calculation of enthalpy change of combustion per mole 1
The calculation for the number of moles of hexane used an **incorrect mass value** ...

Content Analysis

Enthalpy change = $\frac{\frac{-5.628}{100}}{12 \times 6 + 14}$	The formula for enthalpy change per mole (ΔH=−q/n) is used. The value for heat released (−q) is correctly taken from the previous step. However, **the calculation for the number of moles (n) incorrectly** uses the ...
$= 4.84\,\text{kJ mol}^{-1}$	This final value is the result of the calculation in the previous line. Although the arithmetic is performed correctly based on the ...

Image Analysis Questions

Chemistry

Interprets **image & text info**, comprehensively analyzing student response.

Long Answer
Elaboration Questions

Biology

Compare answers to the custom marking scheme, evaluating **completeness and logical** structure, and ensuring clear, organized articulation.

Question (11 marks)

In agricultural practice, some crops are reproduced asexually to improve production efficiency. An increase in yield of these crops is observed in recent years due to a steady increase in the average global temperature. Meanwhile, some scientists worry that crops reproduced asexually are at high risk of extinction due to environmental changes and diseases if global warming persists.
Explain the increased yield of these crops due to global warming and the rationale behind the concern of the scientists.

Answer

Submission #1

The increased yield of these crop due to global warming bring different impact and the rationale behind the concern of the scientists.
Crops are reproduced asexually to improve production efficiently. The crops ...

Scoring Details

Final Score: 4

Part 1: Increasing Yields 0
No relevant explanation is provided for why global warming increases crop yield.

Part 2: Rationale behind the scientists' worry 3
The answer states that asexually reproduced crops have the same gene/DNA and that there is no variation ...

Content Analysis

The increased yield of these crops due to global warming. Crops are reproduced asexually to improve production efficiently. The crops are reproduced asexually, they have the same gene, DNA, the xxx of crops can pass to the next generation. There are no xxx are needed. It have a faster reproduction.	This paragraph does not address the question of why global warming increases yield. It repeats information about asexual reproduction and genetic identity, but does not explain the link to increased yield. The use of 'xxx' suggests missing or unclear content. **To improve** , the paragraph should explain that higher temperatures can speed up ...


Question (25 marks)

熙寧年間，宋神宗任用王安石主持變法，最終失敗。王安石自身性格的限制，是否足以解釋變法失敗的原因？試援引史實，加以析論。(25分)

Answer

Submission #1

熙寧年間，宋神宗任用王安石主持变法最终失败。王安石自身性格的限制並不足以解釋变法失败的原因，以下将援引史，加以析论。
首先，王安石固執己见，有拗相公之稱。王安石不听从别人意见，认为反对变法的人是沒有加以思考的俗人，不应与他们争论，所以司馬光 ...

Scoring Details

Final Scores：15

Overall Score 15

答案能夠理解題旨... **惟史實開述較為浮泛** ， 部分論據重複，分析深度不足，未能充分展開史論結合，部分段落組織鬆散，論證層次感不強，未能達到優等或良好等級。

Content Analysis

熙寧年間，宋神宗任用王安石主持变法最终失敗。王安石自身性格的限制並不足以解釋变法失敗的原因，以下符援引史，加以析论。	開首段能簡單回應題旨，表明立場，**惟語句略嫌重複** ，**未有明確貼出討論重點** 。建議可直接指出「王安石性格固然有影響，但非唯一主因，尚有政策設計、推行方式及外部阻力等因素」，令開首更具指向性。

Master Historical Events, Refine Argumentation Skills

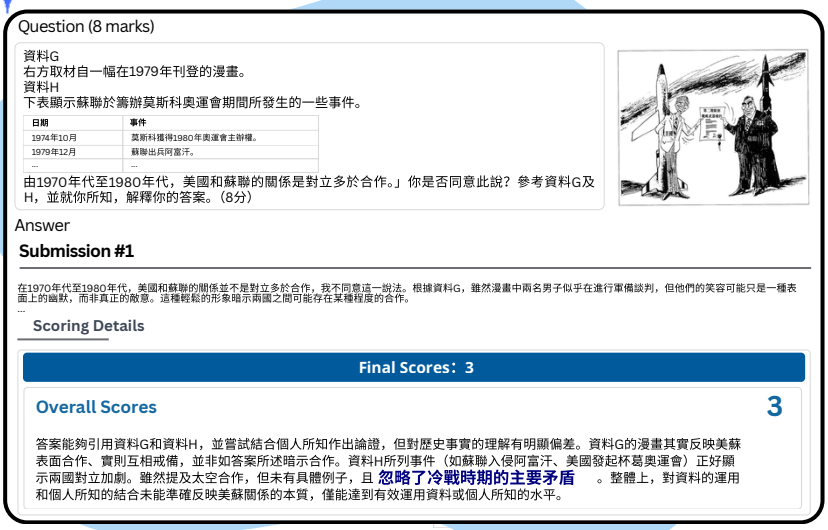
Chinese History

Accurately assess students' **understanding of Chinese historical events, causal analysis, and interpretation of historical sources**, covering both ancient and modern content, to help students build solid historical thinking and argumentation skills.

Historical Argument Analysis

History

Precisely evaluate students' interpretation of **historical sources, mastery of facts, and logical argumentation**. Providing specific directions for revision, our service effectively helps students enhance their historical analysis and argument construction capabilities.


Question (8 marks)

資料G
右方取材自一幅在1979年刊登的漫畫。
資料H
下表顯示蘇聯於籌辦莫斯科奧運會期間所發生的一些事件。

日期	事件
1974年10月	莫斯科獲得1980年奧運會主辦權。
1979年12月	蘇聯出兵阿富汗。
...	...

由1970年代至1980年代，美國和蘇聯的關係是對立多於合作。」你是否同意此說？參考資料G及H，並就你所知，解釋你的答案。(8分)

Answer

Submission #1

在1970年代至1980年代，美國和蘇聯的關係並不是對立多於合作，我不同意這一說法。根據資料G，雖然漫畫中兩名男子似乎在進行軍備談判，但他們的笑容可能只是一種表面上的幽默，而非真正的敵意。這種輕鬆的形象暗示兩國之間可能存在某種程度的合作。
...

Scoring Details

Final Scores：3

Overall Scores 3

答案能夠引用資料G和資料H，並嘗試結合個人所知作出論證，但對歷史事實的理解有明顯偏差。資料G的漫畫其實反映美蘇表面合作、實則互相戒備，並非如答案所述暗示合作。資料H所列事件（如蘇聯入侵阿富汗、美國發起杯葛奧運會）正好顯示兩國對立加劇。雖然提及太空合作，但未有具體例子，且 **忽略了冷戰時期的主要矛盾** 。整體上，對資料的運用和個人所知的結合未能準確反映美蘇關係的本質，僅能達到有效運用資料或個人所知的水平。


Question (12 marks)

資料A：1980 - 2019年間全球及部分地區呈報給世界衛生組織的麻疹個案數字

地區 \ 年份	1980	1990	2000	2010	2019
全球	4 211 431	1 374 083	853 479	343 806	873 022
非洲	1 240 993	481 204	520 120	199 174	618 595
...	...	...	...	...	...

...
(a) 根據資料A， 就呈報給世界衛生組織的麻疹個案數字，描述兩個主要特徵。(4分)
(b) ...
(c) ...

Answer

Submission #1

(a) 所有地區的麻疹病例數都在增加：無論是非洲、美洲還是歐洲，各地的麻疹病例數都顯示出持續上升的趨勢，特別是美洲從25779O例增至21971例。地區差異：非洲的麻疹個案數字在各年份中均佔全球比例最高。
...

Scoring Details

Final Score：1

分題(a)：描述麻疹個案數字的主要特徵 1

答案未有明確引用資料A，亦未有寫出具體數值。第一點「所有地區的麻疹病例數都在增加」與資料A不符，因為大部分地區在1980至2010年間個案數字明顯下降，只有近年回升。第二點「非洲的麻疹個案數字在各年份中均佔全球比例最高」雖然方向正確，但未有引用具體數字，亦未有比較其他地區。整體而言，答案內容有限，未能充分運用資料A。

Overall Feedback

Reasoning Problem

事實不準確(Factual Inaccuracy)

所有地區的麻疹病例數都在增加：無論是非洲、美洲還是歐洲，各地的麻疹病例數都顯示出持續上升的趨勢，特別是美洲從257790例增至21971例。

資料A顯示1980至2010年間大部分地區麻疹個案數字明顯下降，只有2019年部分地區回升。美洲的數字由257,790下降至21,971，並非上升。

Data Analysis Questions

Citizenship and Social Development

Evaluate your answers and **data use**. Gain mastery over analytical methods and social issue argumentation.

HKDSE Business & Arts

Deepen Understanding, Hone Critical Thinking

Tourism and Hospitality Studies

Accurately analyze students' **understanding of industry knowledge, service scenarios, and social issues**, and provide specific feedback on data analysis and argumentation performance. Assist students in enhancing their application skills and critical thinking.



Question (8 marks)

自2022年以來，一些政府已通過重新開放旅客入境，試圖從2019冠狀病毒病的影響中恢復過來。然而，不論大小的旅遊服務供應商都必須各自規畫方案，以吸引本土及海外旅客。

(a)描述政府在旅遊業發展的四個主要角色，並就每個角色建議如何在重新開放旅客入境後吸引旅客到訪香港。 (8分)

Answer

Submission #1

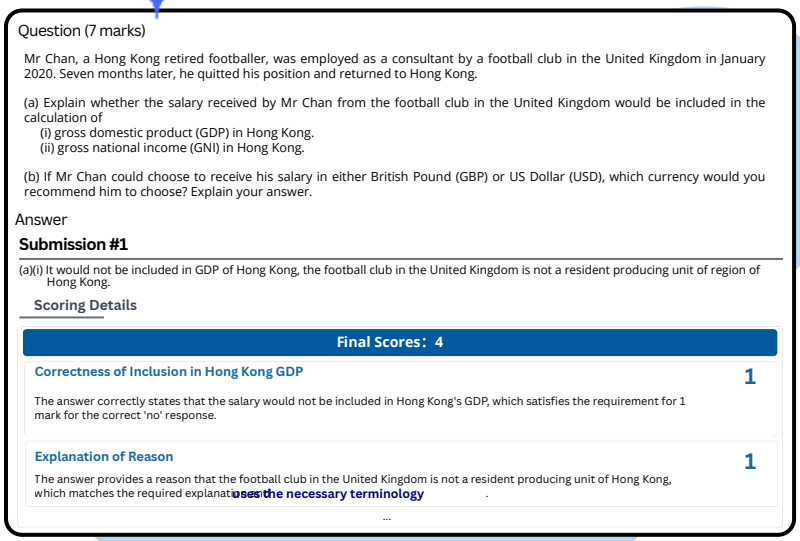
根據資料所述。自2022年以來，一些政府已通過重新開放旅客入境，試圖從2019冠狀病毒病的影響中恢復過來。當中政府可以在發展旅遊業上做兩個主要角色 ...

Scoring Details

Final Scores：7

角色數目及準確性 答案只描述了四個角色中的三個較為貼近題意，包括推廣、直接經營及部分規劃角色，**但未有明確指出「管制及監察旅遊業」的角色**，且部分角色描述不夠準確。	3
建議的針對性及可行性 部分建議與角色有關，如宣傳香港特色、金錢支援景點建設、推動綠色旅遊等，但 **有些建議過於籠統** 或與角色不完全對應，缺乏具體措施。	2
內容組織及條理 答案分段清晰，但 **部分角色描述重複或混淆** ，內容組織有待加強，未能全面覆蓋四個主要角色。	1

...



Question (7 marks)

Mr Chan, a Hong Kong retired footballer, was employed as a consultant by a football club in the United Kingdom in January 2020. Seven months later, he quitted his position and returned to Hong Kong.

(a) Explain whether the salary received by Mr Chan from the football club in the United Kingdom would be included in the calculation of
(i) gross domestic product (GDP) in Hong Kong.
(ii) gross national income (GNI) in Hong Kong.

(b) If Mr Chan could choose to receive his salary in either British Pound (GBP) or US Dollar (USD), which currency would you recommend him to choose? Explain your answer.

Answer

Submission #1

(a)(i) It would not be included in GDP of Hong Kong, the football club in the United Kingdom is not a resident producing unit of region of Hong Kong.

Scoring Details

Final Scores：4

Correctness of Inclusion in Hong Kong GDP The answer correctly states that the salary would not be included in Hong Kong's GDP, which satisfies the requirement for 1 mark for the correct 'no' response.	1
Explanation of Reason The answer provides a reason that the football club in the United Kingdom is not a resident producing unit of Hong Kong, which matches the required explanation and **uses the necessary terminology** .	1

...

Terminology-focused Grading

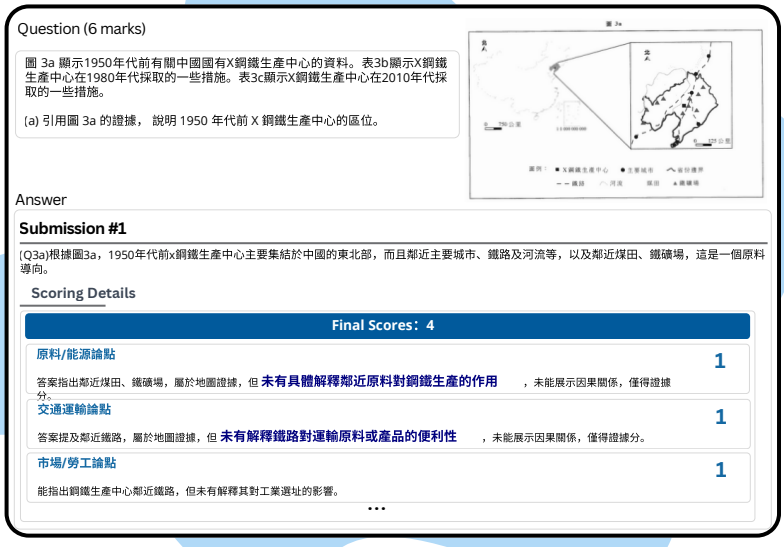
Economics

Provides specific feedback on application of **core concepts, terminology accuracy, depth of economic explanation**, and detailed scoring criteria. This effectively helps students solidify their economics knowledge, enhance analytical skills, and learn to articulate arguments using rigorous economic language.

Mastery of geographic concepts and chart representation skills

Geography

Accurately identify students' understanding of **spatial concepts, geographical phenomena, and chart data,** providing targeted feedback to enhance their geographic thinking and expression skills.



Question (6 marks)

圖 3a 顯示1950年代前有關中國國有X鋼鐵生產中心的資料。表3b顯示X鋼鐵生產中心在1980年代採取的一些措施。表3c顯示X鋼鐵生產中心在2010年代採取的一些措施。

(a) 引用圖 3a 的證據， 說明 1950 年代前 X 鋼鐵生產中心的區位。

Answer

Submission #1

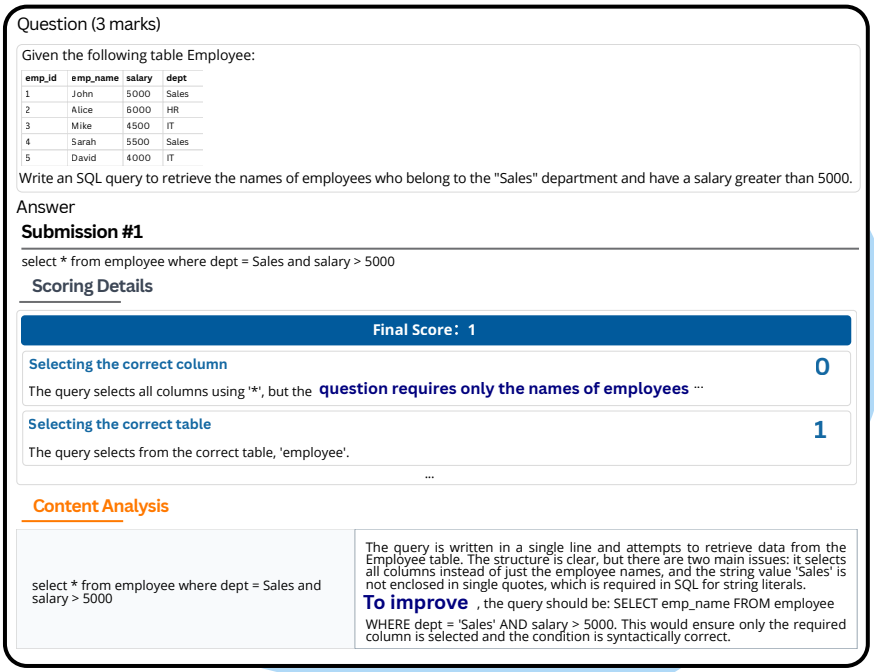
(Q3a)根據圖3a，1950年代前x鋼鐵生產中心主要集結於中國的東北部，而且鄰近主要城市、鐵路及河流等，以及鄰近煤田、鐵礦場，這是一個原料導向。

Scoring Details

Final Scores：4

原料/能源論點 答案指出鄰近煤田、鐵礦場，屬於地圖證據，但 **未有具體解釋鄰近原料對鋼鐵生產的作用** ，未能展示因果關係，僅得證據分。	1
交通運輸論點 答案提及鄰近鐵路，屬於地圖證據，但 **未有解釋鐵路對運輸原料或產品的便利性** ，未能展示因果關係，僅得證據分。	1
市場/勞工論點 能指出鋼鐵生產中心鄰近鐵路，但未有解釋其對工業選址的影響。	1

...


Question (3 marks)

Given the following table Employee:

emp_id	emp_name	salary	dept
1	John	5000	Sales
2	Alice	6000	HR
3	Mike	4500	IT
4	Sarah	5500	Sales
5	David	4000	IT

Write an SQL query to retrieve the names of employees who belong to the "Sales" department and have a salary greater than 5000.

Answer

Submission #1

select * from employee where dept = Sales and salary > 5000

Scoring Details

Final Score: 1

Selecting the correct column — 0

The query selects all columns using '*', but the question requires only the names of employees ···

Selecting the correct table — 1

The query selects from the correct table, 'employee'.

...

Content Analysis

select * from employee where dept = Sales and salary > 5000

The query is written in a single line and attempts to retrieve data from the Employee table. The structure is clear, but there are two main issues: it selects all columns instead of just the employee names, and the string value 'Sales' is not enclosed in single quotes, which is required in SQL for string literals.

To improve , the query should be: SELECT emp_name FROM employee WHERE dept = 'Sales' AND salary > 5000. This would ensure only the required column is selected and the condition is syntactically correct.

Handwritten Technical Questions

Information and Communication Technology

Assess students' written technical skills, such as SQL and programming. This method **simulates exam environments lacking debugging tools,** providing a true measure of their practical coding and problem-solving capabilities

Student Testimonials



Chan Oi Yiu
Form 5 student
Hong Kong True Light College

UnaGPT is **more interactive with its real-time feedback** feature. Unlike traditional paper-based tests, which required waiting a week or several days for teacher grading, I can now **understand and correct my mistakes promptly.**



Cheng Wo Wan
Form 5 student
Hong Kong True Light College

UnaGPT makes learning ICT easier! The system clearly pinpoints the location of errors, such as in SQL exercises, **where it can point out missing parentheses or letters in my answers**. The explanations are clear, making learning more efficient.



Yip Ho Ching
Form 5 student
Hong Kong True Light College

UnaGPT's **feedback is highly targeted**, not only clearly indicating the location of errors but also **providing rewriting examples and specific suggestions** on how to improve the answers, helping me enhance my responses immediately.

Junior Chinese Language & Mandarin

New Tech Recognizes Handwritten Chinese

Simple Uploads for Student Writing

Achieve superior accuracy in recognizing kids' handwritten Chinese, unlocking more precise AI auto-grading. Features unique "**Quick Fill-in**" for simple student self-correction of any recognition errors.



- Upload multiple images at once
- Automatic segmentation
- Support both Traditional and Simplified Chinese

Smart Grading, Transforming Writing Education

Set school-based marking scheme for **highly efficient** Chinese essay marking

Set any topic, define length requirements, and establish school-specific grading rubrics for diverse types of essays (like **narrative, letters**, and more). Our AI provides precise scoring and feedback based on these guidelines. In just ~2 minutes, students receive detailed, personalized AI feedback reports, comprehensively enhancing their Chinese writing skills.

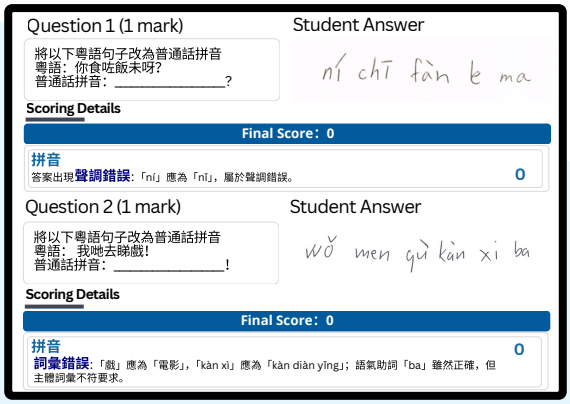


- Linguistic error statistics and suggestions
- Sentence rewrite suggestions & samples
- Paragraph analysis
- Remarkable text appreciation
- Logical error detection
- Content suggestions

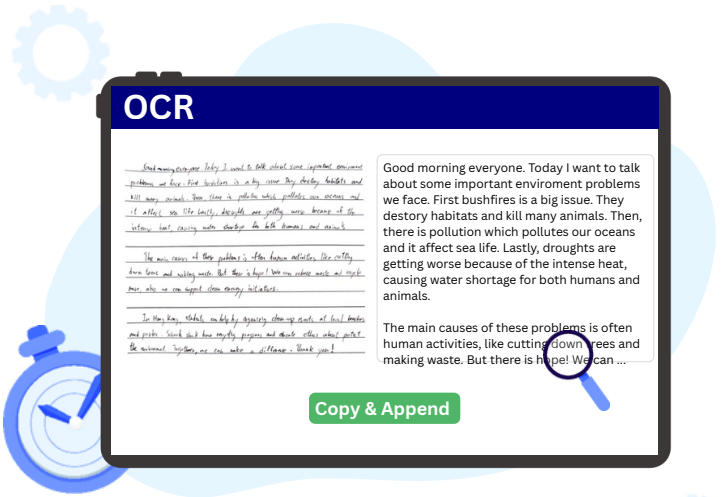
Handwritten Pinyin Questions

Mandarin

Elevate your Mandarin practice with our new handwritten Pinyin answering feature. Ideal for mastering **Pinyin and** exploring **Cantonese-Mandarin translation**.



Junior English Language



Optimized English Handwriting Recognition

Save time with our optimized English OCR for handwritten answers

Input by Hand or Typed! Our advanced OCR technology effortlessly **converts your handwritten work into digital text.** Students can easily proofread and submit their work, meeting exam requirements while encouraging neat handwriting.

- Bulk Image Upload
- Auto Content Segmentation

Essay Evaluation with AI

Customizable rubrics meet **instant, precise** correction for essays

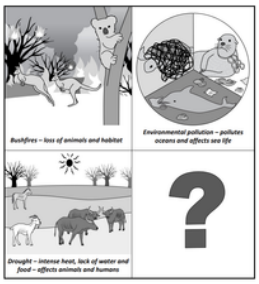
Teachers gain flexibility to set English writing topics, word count requirements, choose **report languages (Chinese or English)**, and customize school-based marking schemes. Our AI delivers precise grading and feedback, providing students with detailed, personalized analysis reports in two minutes for targeted writing improvement!

- Linguistic error
- Sentence revision
- Paragraph analysis
- Logical error
- Remarkable texts
- Content suggestions

Question (12 marks)

You have been studying environmental disasters in class. You have been tasked with writing a speech for the special Environmental Awareness School Assembly about the harm done to the environment. Discuss some environmental issues, their causes, and potential solutions. Include suggestions on what students and schools in Hong Kong can do to safeguard the environment.

You may use some of the ideas from the information provided and/or your own ideas in your writing. Write your speech in about 150 words.



Answer

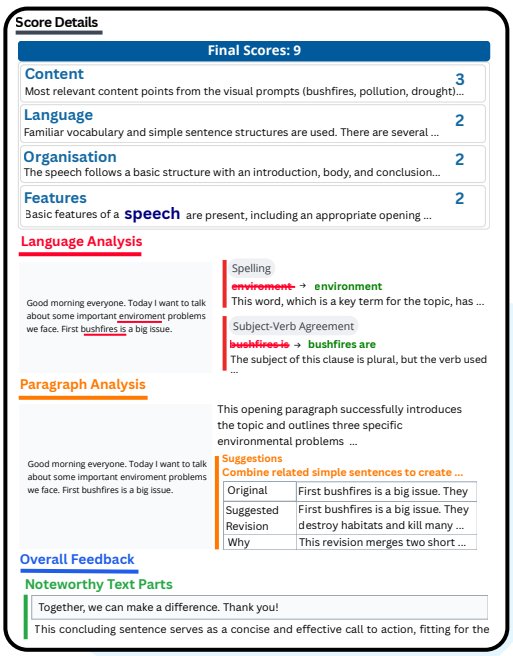
Submission #1

Good morning everyone. Today I want to talk about some important enviroment problems we face. First bushfires is a big issue. They destroy habitats and kill many animals. Then there is pollution which pollutes our oceans and it affect sea life. Lastly droughts are getting worse ...

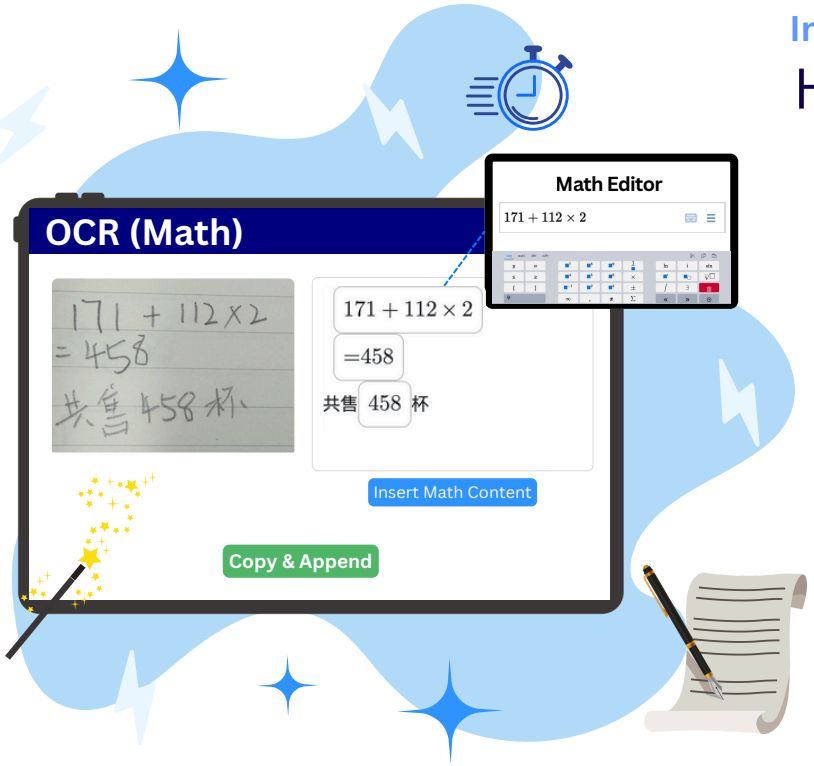
Chinese Report

English Report





Junior Mathematics



Intelligent OCR for Math Expressions

Handwritten Formulas, Digitized **Instantly**

Students can write formulas and answers with pen and paper, and the system **instantly recognizes the text and equations, converting them into digital format.** If there are any errors or omissions, they can be quickly **corrected using the Math Editor**. The process is simple, making uploading more efficient.

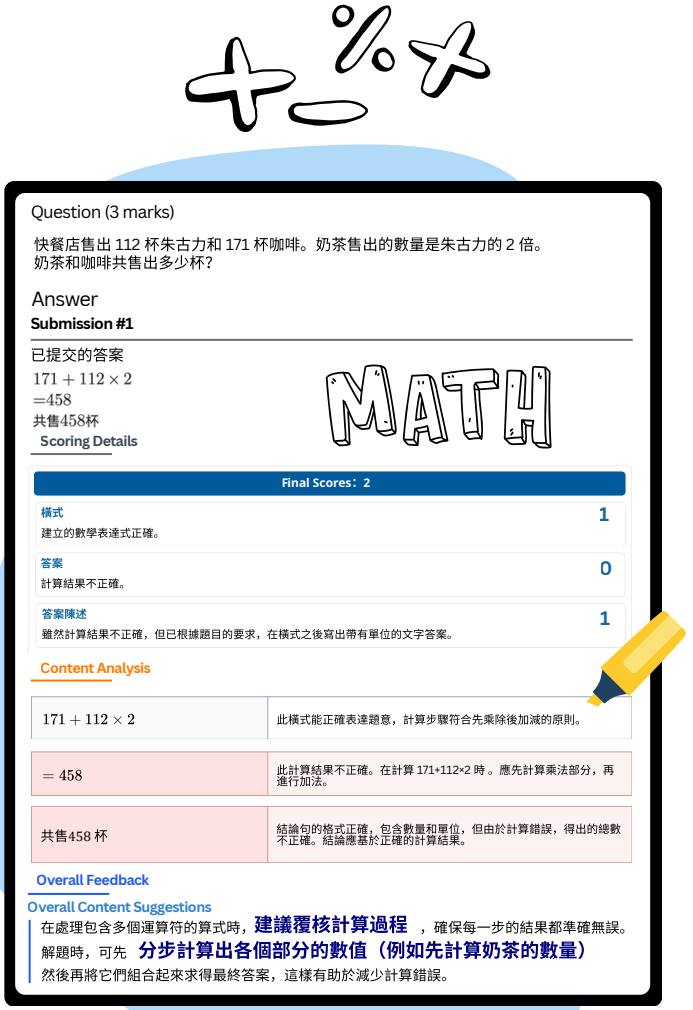
- Bulk Processing
- Convert Formulas & Text Together
- Quick Edits

Example Scenario

Comprehensively Evaluate Students' Answers **from Equations to Units**

Comprehensive Analysis of Student Answers , including **steps in equations, final answers, answer presentation, and unit usage**, accurately identifies students' learning gaps. Also supports TSA question types.

- Basic Arithmetic Problems
- Application or Scenario Questions
- Fractions and Decimals Problems
- Algebraic Thinking



PRIMARY TEACHER & STUDENT TESTIMONIALS





Ms. Cheng,
Digital Education Officer,
Ms. Lam,
Head of Chinese Language Department,
Baptist (Sha Tin Wai) Lui Ming Choi Primary School

> UnaGPT provides students with instant feedback, helping teachers quickly identify learning challenges and assisting students in personalized learning. The platform not only **saves teachers' time on grading** but, more importantly, enhances the efficiency of students' writing practice by **offering specific and meaningful feedback.** This enables students to understand areas for improvement and optimize their content, effectively **strengthening their autonomous learning abilities.**

> Una's AI tools help me to **improve grammar, enrich vocabulary, and write precise English.** They can correct my grammar mistakes and provide feedback when I input text.



Zoe
Aged 11 student
HKFYG Jockey Club Kwai Fong Youth S.P.O.T.

Annual Subscription for Schools

	TRIAL	BASIC	INTERMEDIATE	ADVANCED
AI Credits	9,600	60,000	300,000	1,200,000
User Accounts	Unimited	Unimited	Unimited	Unimited
Teacher Training	Videos, text	1 hour, Online	2 hours, Online	2 hours, Online
Technical Support	Online, text	Online, text	Priority	Priority
	Free For 3 months	**$4,920** HKD	**$19,200** HKD	**$49,200** HKD

AI Credits Deduction Per Task

	English Ans	Chinese Ans	Math Ans	Class Report
1. OCR - Converting Handwritten Texts / Math Equation	**1**	**3**	**3**	**/**
2. Short Question Evaluation **- With/Without Writing Techniques Analysis** * Answer's Token Limit: 300 * Can be stacked to double the token limit	**10** ≈200 Eng Words	**10** ≈150 Chi Characters	**45** ≈200 Math Characters	**0.25**
3. Long Question Evaluation **- Without Writing Techniques Analysis** **- With Writing Techniques Analysis** * Answer's Token Limit: - 5,000 for English and Chinese; - 2,000 for Math	**45** **90** ≈3,333 Eng Words	**45** **135** ≈2,500 Chi Characters	**135** **/** ≈1,333 Math Characters	**1** **1**

Application Examples of Advanced Plan Across Subjects

Chinese Writing

(Allow resubmit once)

- Secondary 1-2 (200 students)
  6 essays of **300-** characters answer
- Secondary 3-4 (200 students)
  8 essays of **2,500-** characters answer
- Secondary 5-6 (200 students)
  12 essays of **2,500-** characters answer

English Writing

(Allow resubmit once)

- Secondary 1-2 (200 students)
  10 essays of **400-** characters answer
- Secondary 3-4 (200 students)
  13 essays of **2,000-** characters answer
- Secondary 5-6 (200 students)
  17 essays of **2,000-** characters answer

Mathematics

(Single Attempt)

- Secondary 4-6 (300 students)
  80 questions with **200-** Math symbols answer
- M1 & M2 (30 students)
  22 questions with **1,333-** Math symbols answer

Citizenship (+ Economics and Society)

(Allow resubmit once)

- Secondary 1-3 (300 students)
  32 answers of **150-** characters answer
- Secondary 4-6 (300 students)
  35 answers of **2,500-** characters answer

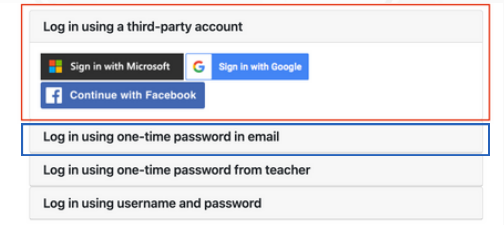
Getting Started: A Guide for Educators

Experiencing UnaGPT as a Student

1. Apply for a trial

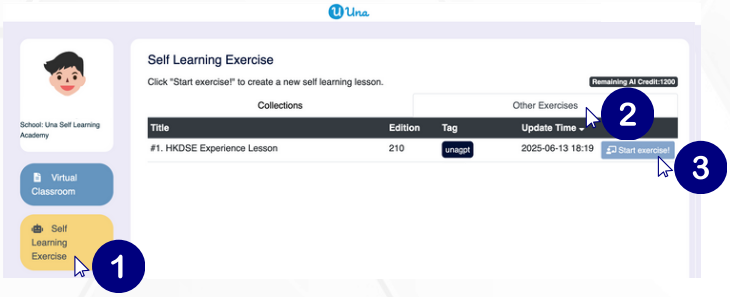
- Visit www.una.study/unagpt (or scan the QR Code).
- Click the "**Free Trial**" button and fill out the form
  - Enter the correct "Login Email" to log in at step 2.
  - Check "Are you a school teacher or principal?"
- Submit the form and wait for confirmation.

2. Log in to the Una platform

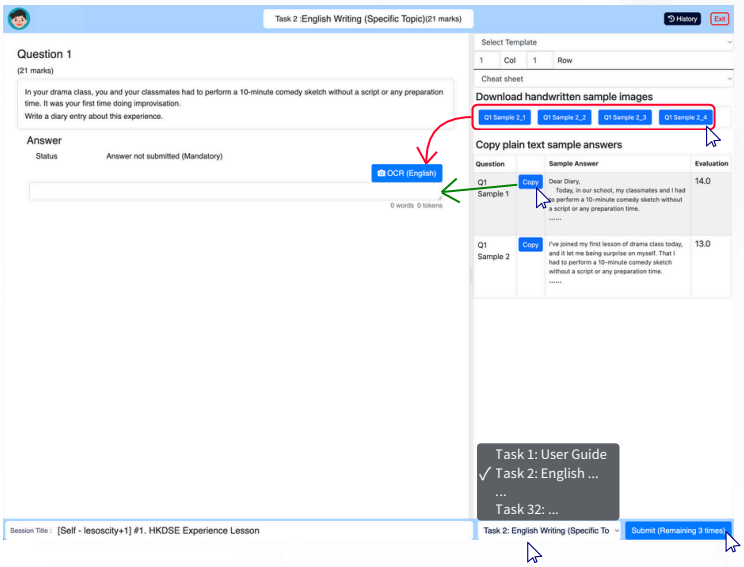


- Use your computer/tablet to browse the website https://app.una.study.
- Use the Login Email from step 1 to log in using
  - third-party account, e.g. Microsoft/Google; or
  - one-time password in email.

3. Try the latest experience exercise



4. Submit your answer and get the AI report



2 Input Sample Answers:

- Download our prepared **handwritten sample answer images** and upload them to test OCR accuracy; or
- Copy and paste **digital text** into the answer box

3 **Submit answers** to get the AI report back in just ~2 mins.

1 Select a task

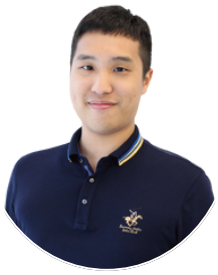
About Us

400+ Schools

35,000+ Students

Founded in 2017, Una is an AI EdTech startup based in Hong Kong Science Park, committed to enhancing the quality of education through innovative technology. Our proprietary Una platform features real-time virtual classrooms, AI-powered grading and feedback, and integration of AI and Micro:bit education. We annually collaborate with the government, universities, and associations of principals and teachers to organize competitions and teacher training. We also provide globally recognized AI certifications, competition support, and customized training services.

Core Team



Dr. YEUNG Cheuk Yu, Leo
Managing Director and Founder
PhD and Guest Lecturer in Computer Science, The University of Hong Kong (HKU)



Mr. TSE Shing Chi, Franklin
CTO
BEng in Computer Science, HKU | 10+ years experience in R&D



Ms. SIU Wing Man, Ivy
COO
BEng in Information Engineering, CUHK | Minor in Computer Science, Data Analytics and Informatics



Prof. Yiu Siu Ming
Advisor
Associate Director (TPg) and Professor in HKUCDS



Dr. HUI Chi Kwong, Lucas
Advisor
PhD, UC Davis | Former teaching faculty of HKU & NUS | Former CTO of ASTRI



Dr. SHUM Kam Hong
Advisor
PhD in Computer Science, University of Cambridge | Doctor of Education (EdD), HKU



Mr. YEUNG Siu Wing
Advisor
Master of Art (Ed), Bachelor of Philosophy (Ed) | Teaching Consultant, Dept. of Education Studies of HKBU

Partners & Achievements

SCHOOL OF COMPUTING & DATA SCIENCE
The University of Hong Kong

Microsoft in Education Global Training Partner
Microsoft

HKSTP PARTNER

Gold
Hong Kong ICT Awards 2019 香港資訊及通訊科技獎
Social Impact

Reimagine EDUCATION Challenge
First Runner-up Award Winner

CERTIPORT
A PEARSON VUE BUSINESS
AUTHORIZED TESTING CENTER

ITC ESS

HKTDC 香港貿發局