

創新科技與正向教育：跨學科 協作下的 AI 藝術畫創作

英文 x 視藝 x STEAM X 正向教育

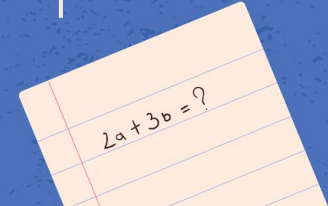




周樹安老師

五旬節聖潔會永光書院

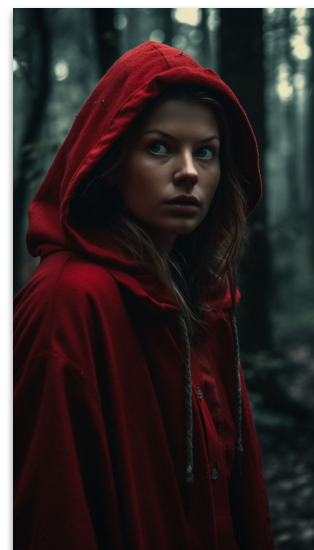
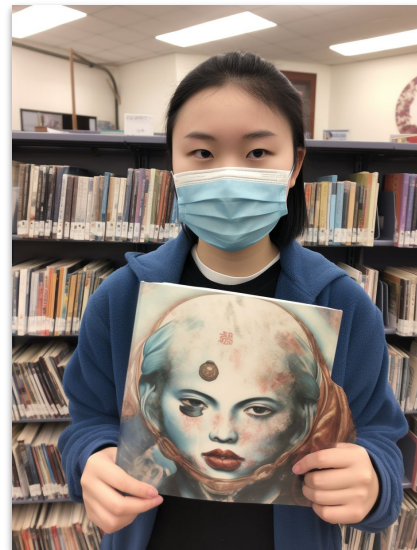
- STEAM教育統籌
- STEAM科科主任
- 數學、STEAM、電腦科老師
- 香港電腦教育學會理事
- Google Educator
- Apple Teacher


$$2a + 3b = ?$$

哪一張是AI繪圖, 哪一張是相片?



哪一張是AI繪圖，哪一張是相片？





AI藝術創作作品於藝術大賽勝出

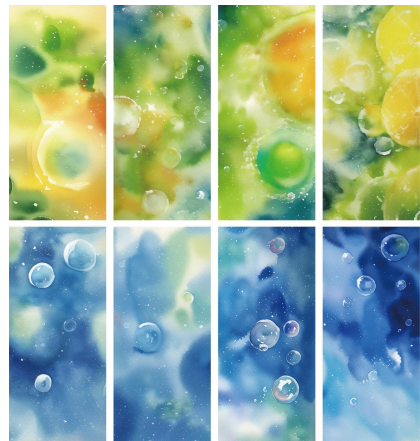
由Midjourney (AI) / Jason Allen
製作出的AI藝術創作作品

通過與創作者的想法
相關的單詞組合在一
起而創造出來的畫作

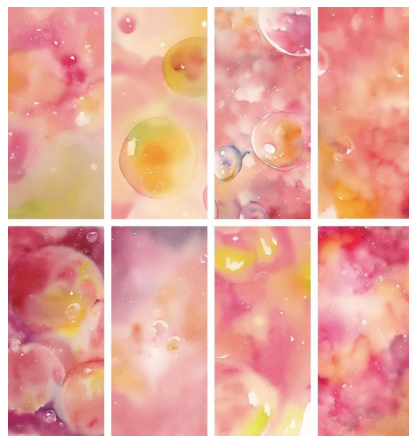


AI繪圖
香港歌手MV都用





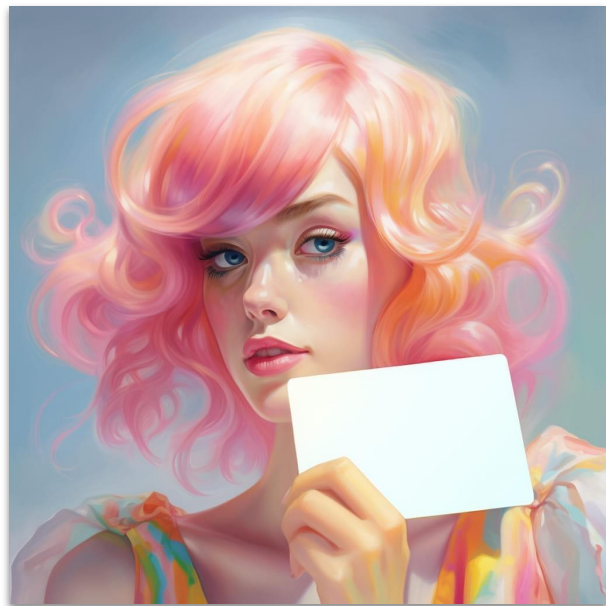
產品設計



還有...



還有...



還有...



還有...



還有...



還有...





Our greatest glory is not in never falling, but in rising every time we fall.

3D Lee Yui

關注事項

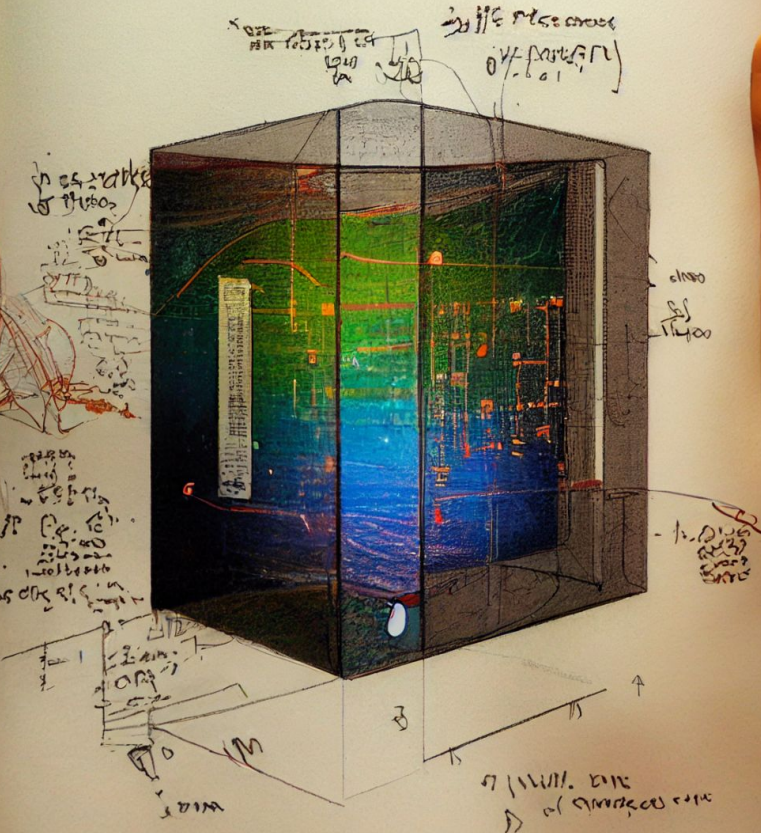
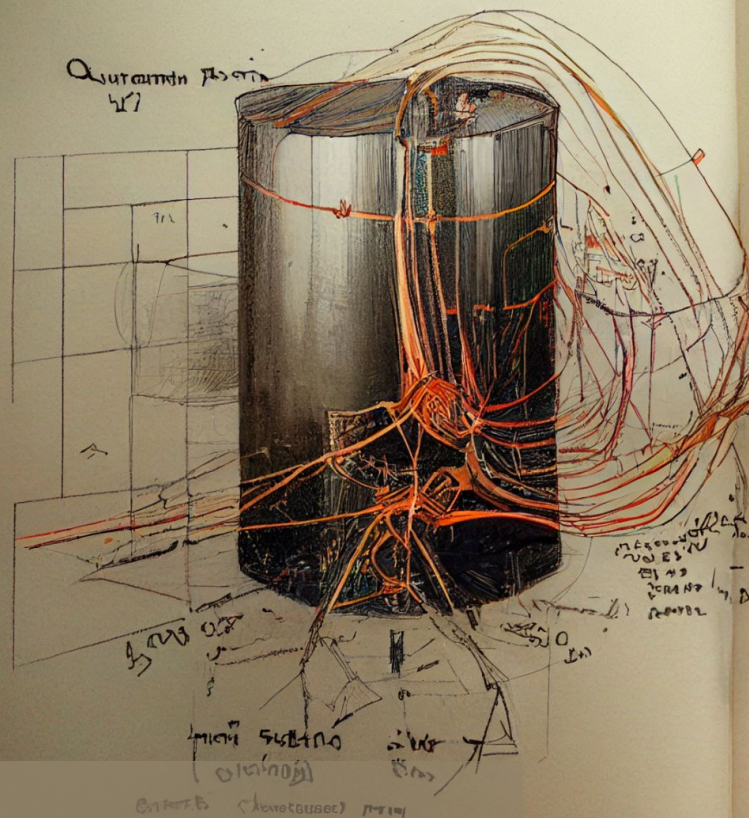


跨學科學習

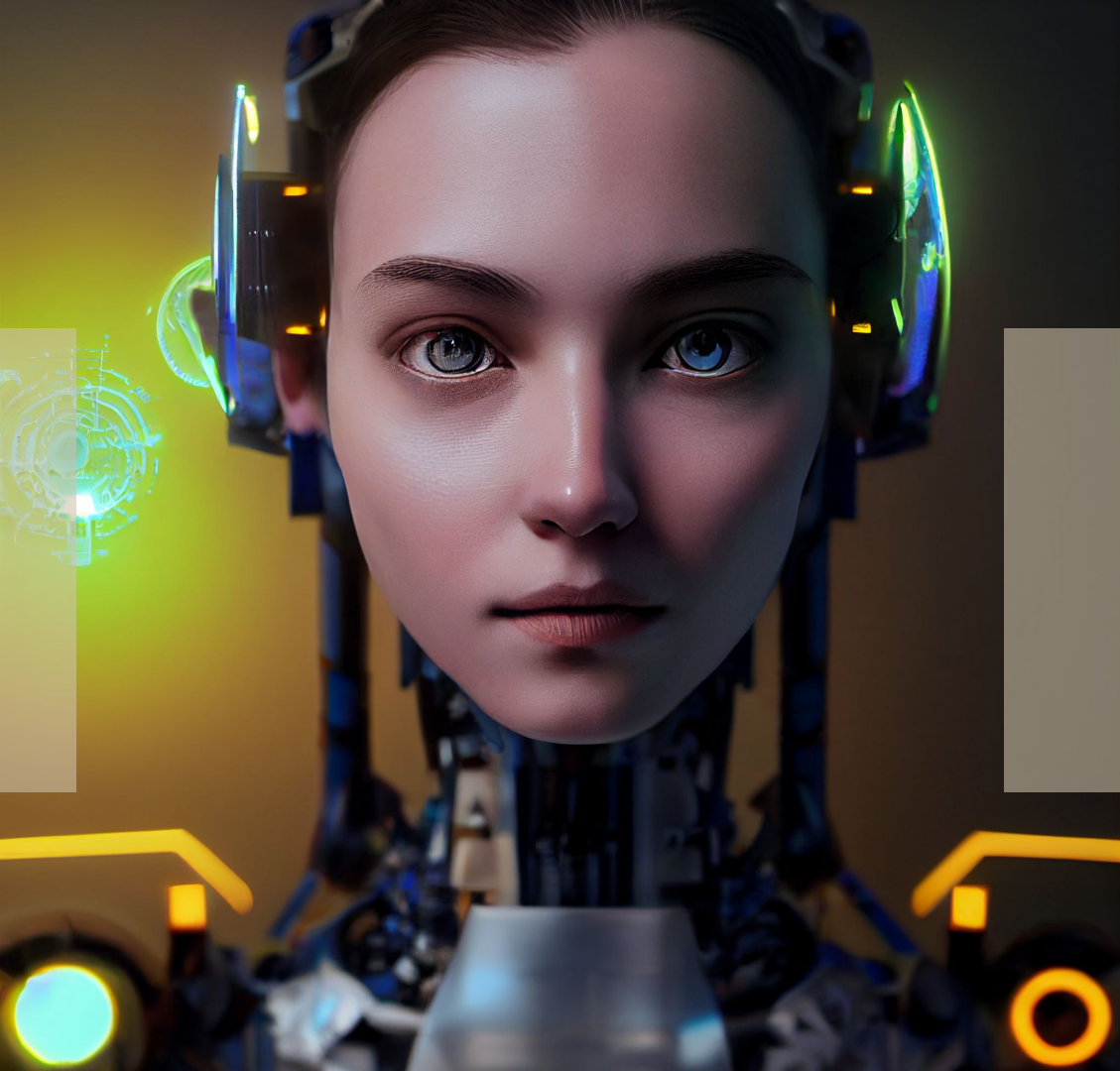
正向教育



關注事項



STEAM



課堂 設計



中三級 校本課程

01

English Lesson (80 mins)

Quote, Mindmap, Prompt

02

Visual Art Lesson (80 mins)

Styles

03

Computer / STEAM Lesson (80 mins)

AI Generated Art



1. If knowledge is power, then learning is a superpower.
2. The person without a purpose is like a ship without a rudder.
3. We must embrace pain and burn it as fuel for our journey.
4. Use what you've been through as fuel, believe in yourself and be unstoppable.
5. Our greatest glory is not in never falling, but in rising every time we fall.
6. Life is like riding a bicycle. To keep your balance, you must keep moving.
7. Hard times always lead to something great.
8. There is light at the end of the tunnel.

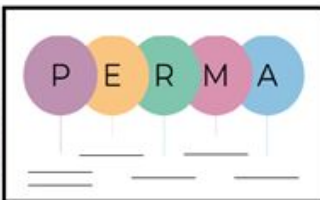
Are the following nouns concrete or abstract? Tick the correct boxes.

Nouns	Concrete	Abstract	Nouns	Concrete	Abstract
1. Dog			2. Love		
3. Happiness			4. Wisdom		
5. Ball			6. Time		
7. Woman			8. Fire		

PHC Wing Kwong College
S3 English Language
STEAM Project: AI Poster Design

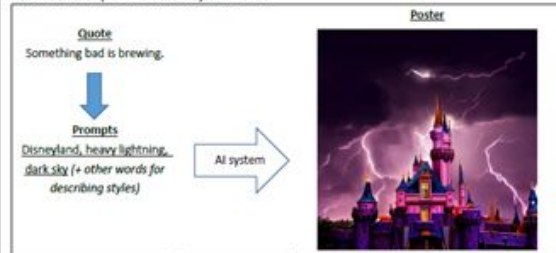
Name: _____ Class: 3 _____ Date: _____

Our school is now promoting positive education. Do you remember the 5 elements of positivity you have learnt about in the Positive Learning Cycles?

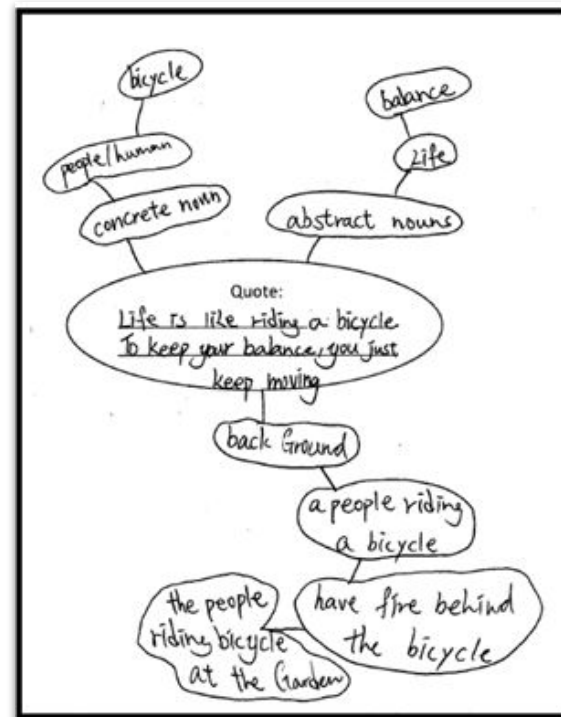


To promote happiness and positive attitudes among us, the school is organizing a poster design competition using AI (Artificial Intelligence). With an AI system, you can create a beautiful poster easily.

Below is an example of how the AI system works.



You will learn more about the AI system in STEAM lessons, and words for describing art styles in Visual Arts lessons.



普普藝術是一種「硬邊藝術」(Hard-edged Art)：其特性是畫作中每一區域只有一種顏色。此類藝術應用主題包括：廣告、標籤、名人像、漫畫等等。
著名藝術家：安迪沃荷 (Andy Warhol)、李奇登斯坦 (Roy Lichtenstein)

普普藝術 Pop Art



印象派 (c. 1870-1886) 的由來是因為「莫內」(Claude Monet) 有一次以一名為「印象·日出」(Impression, Sunrise) 而興起。利用「細小但仍可見的筆刷組合」(composition of visible brush strokes)，捕捉日常所見景象的「當下光影與色彩」。
著名藝術家：塞尚(Paul Cezanne) 注重理念、結構與畫面之美、高更(Paul Gauguin) 與梵谷(Van Gogh) 注重感情、色調之美及藝術表現的象徵意義等。

印象派 Impressionism

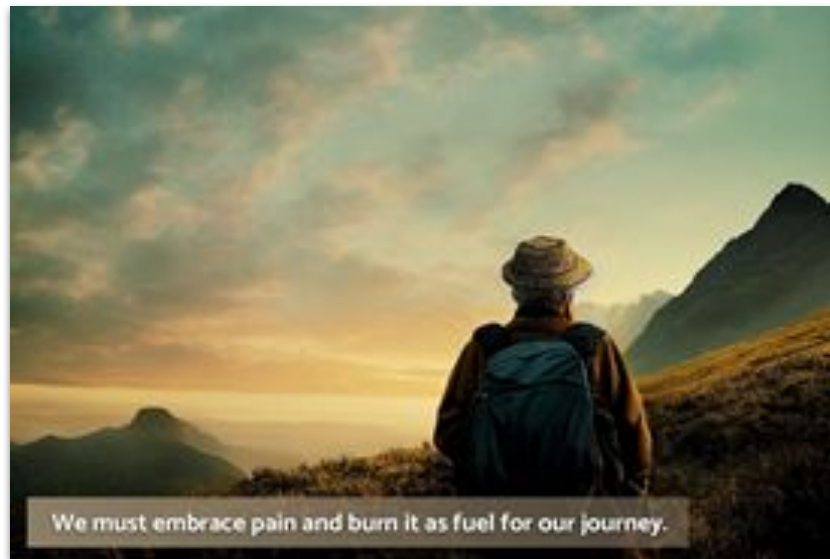


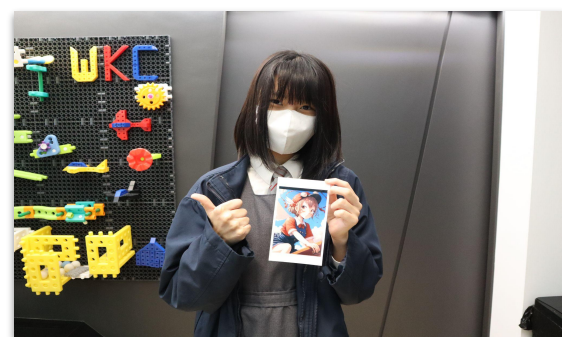
prompt The prompt to imagine

 /imagine prompt long road, long time, hard, positive and negative person, rainbow



STEAM







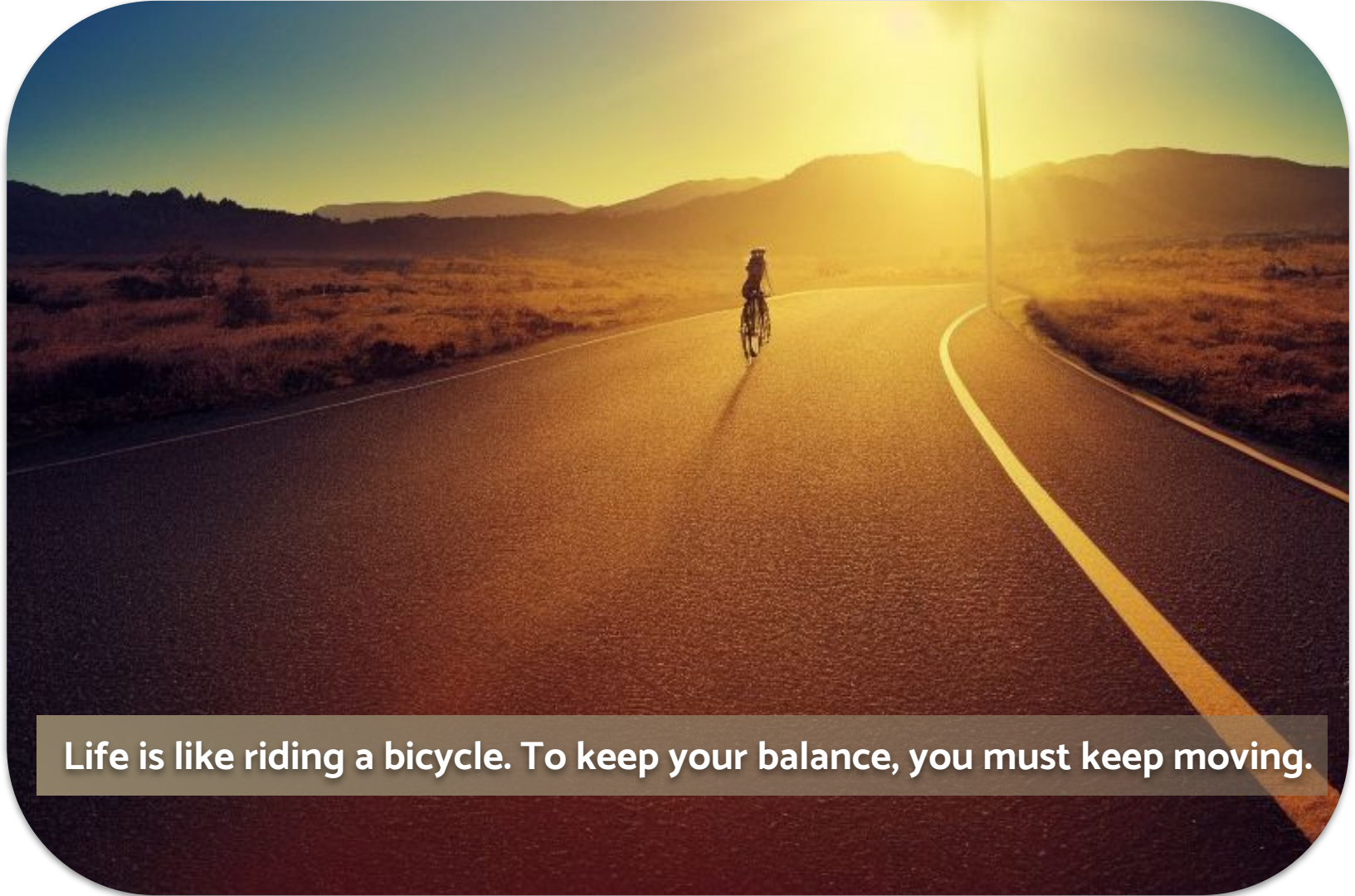
There is light at the end of the tunnel.



Our greatest glory is not in never falling, but in rising every time we fall.



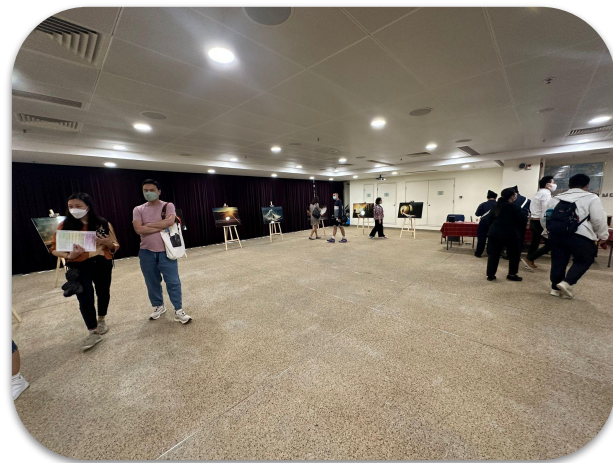
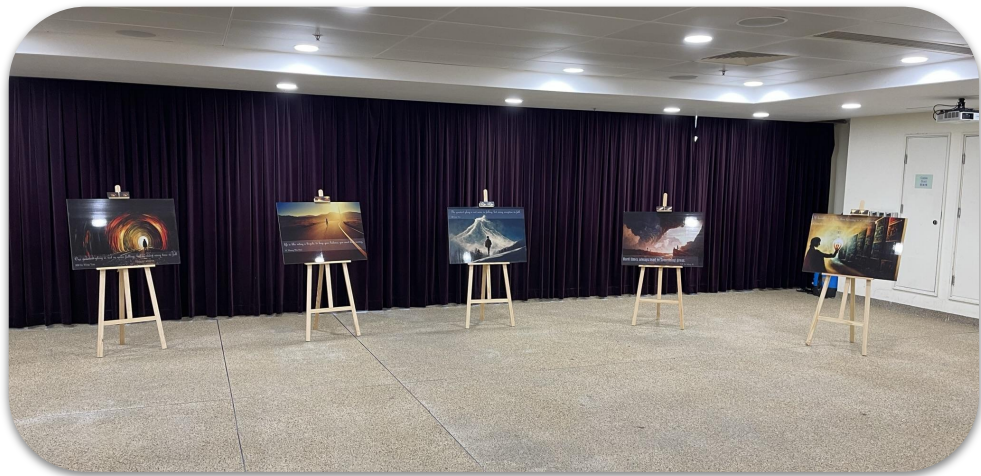
If knowledge is power, then learning is a superpower.



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We must embrace pain and burn it as fuel for our journey.



AI x 正向教育-藝術創作畫展





訪問與分享

- RTHK – STEM總動員
- 新城教育+ 專欄
- AI 藝術創作研討會
- 第27屆全球華人計算機教育應用大會(GCCCE 2023)



周樹安先生
香港電腦教育學會增補理事
五旬節聖潔會永光書院STEAM教育統籌

AI美術融合正向教育五大元素
加強情感思考 培養內在心性



GCSCE

创新科技与正向教育： 跨学科协作下的 AI 艺术画创作

汇报时间：2023年5月27日

汇报人：周树安 (五旬节圣洁会永光书院)

北京师范大学

AICFE
Advanced Innovation Center for Future Education



AI藝術創作大賽 《以書畫之名》

從文字到藝術作品!



"Anime style, little red riding hood, happy mood,
fantasy forest, sunny day, glowing, cinematic
--ar 4:6"

重新構想書籍封面

2023年5月20日 (星期六) 小一至中六學生

地點: 香港生產力促進局 SME One Foyer

賽時: 一小時

協辦比賽

以書畫之名 - AI 藝術創作大賽

- 香港電腦教育學會 (HKACE)
- 香港美術教育協會 (HKSEA)
- 香港生產力促進局 (HKPC)
- 聯校資訊科技學會 (JSIT)
- 10botics





這次跨學科課程成功結合了校內的三項關注事項：跨學科學習、正向教育和 STEAM 教育，拓展了學生的眼界。如果各學科老師都能在 STEAM 教室共同協作，推動跨學科課程，應用不同學科所學，將學科知識融入日常生活，讓學生在真實情境中有目的及有意義地運用英文，將能為他們的成長提供更多支持。





Q & A