

The Ultimate Al Education for all students

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- 1. A self reflection of would you rather ...
- 2. Opportunities of AI Education for All with latest advancement of technology
- 3. Opportunities are there, but how?
- 4. My interpretation of the ultimate AI Education for All



1. Would you Rather ...

- Google or Microsoft
- Macbook or Surface
- Android phones or iphones
- Structured learning or unstructured learning
- Project work or written examination
- Standard curriculum or school-based curriculum
- Trial and Error or well planned



1. Would you Rather ...

- Block-based or text-based programming
- Python or other programming languages (C++, Swift, etc.)
- IT education or IT in education
- Computational thinking education or Computational thinking in education
- A.I. education or A.I. in education
- ECA or formal curriculum
- Digital literacy or computational thinking



Reflections may help us move forward ...



2. Opportunities of AI Education for All

- Millions of AI related resources that are easy to use and easy to learn
 - Applications that are related to students' daily lives
 - Development tools
- A learning framework that helps you make use of those resources
 - Applications
 Awareness, Knowledge, Ethics
 - Development tools → Interact, Empowerment
- Experiences from educators (e.g. the AI for the Future community)



My experiences #1 Applications allow me to teach ...

Daily problems encountered by students

- Group photos from the Interschool Athletic competition
 - Photoshop (Sky Replacement)
- Singing contest
 - https://vocalremover.org/

Easy to use and Easy to learn!



My experiences #2 Development tools allow me to teach ...

Exploring different tools for lesson activities and competitions

- Pictoblox
 - Hand detection for a funny game
 - Face detection for explaining an AI concept
- Machine Learning for Kids (competition ≠ elite students only)
 - Integrating with Scratch and App Inventor

Easy to use and Easy to learn!



3. How to make good use of the resources?

How can I implement AI Education for all?

Would you Rather ...

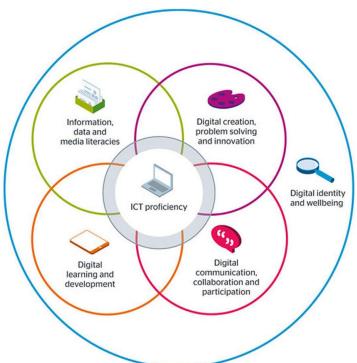
- Standard curriculum or school-based curriculum
- ECA or formal curriculum
- Trial and Error or well planned
- Digital literacy or computational thinking

There is no Right or Wrong. It is just a matter of choice!



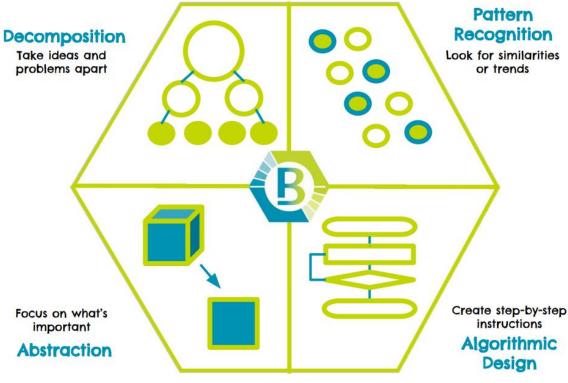
My experiences #3 – AI Education for All

Digital Literacy



Awareness, Knowledge, Ethics

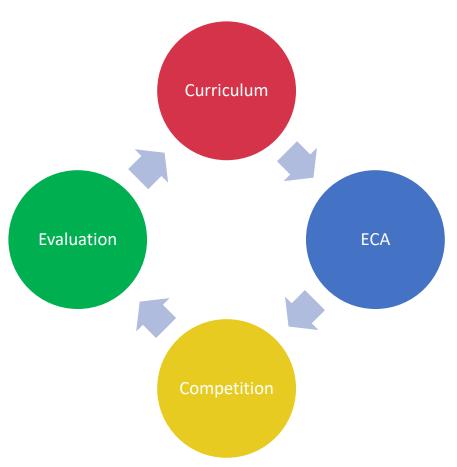
Computational Thinking



Interact, Empowerment



My experiences #3 – AI Education for All





4. The ultimate AI Education for All

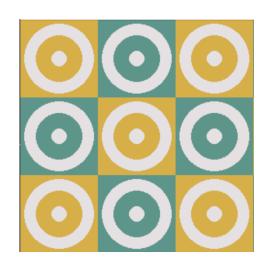
What is the ultimate AI Education for all?

Would you Rather ...

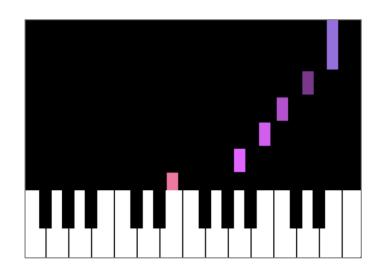
- IT education or IT in education
- Computational thinking education or Computational thinking in education
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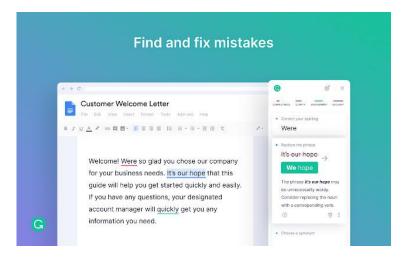
From Computational Thinking to Artificial Intelligence From Rule-based to Knowledge-based







Music analysis and creation



Linguistic applications



4. The ultimate AI Education for All ** Learn AI in education **

- Learn AI while learning how to use a software application
 - Adobe Premiere (Speech to Text pros and cons, limitation, etc.)
 - Adobe After Effects (what are image feature?)
- Learn AI while learning other subjects
 - How other subjects apply A.I. in their areas
 - Can you propose a solution to apply A.I. in other subjects?
 - e.g. A.I. for Arts (the competition this year)



THE END