

Sharing by Asst Prof Wen Yun, NIE/NTU

REFLECTIONS FROM WORKING IN DEVELOPMENT
PROJECTS



Emerging Technology-enhanced learning innovations in schools

- Emerging technologies, particularly AR and AI
- School-based design research
- The subject contexts are Chinese as second language and Science

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The Questions Assigned to me

1. Why did you choose a development grant instead of a research grant?

2. What were the factors which you think contributed to the awarding of your development grant proposal?

3. How did you choose your MOE collaborators?

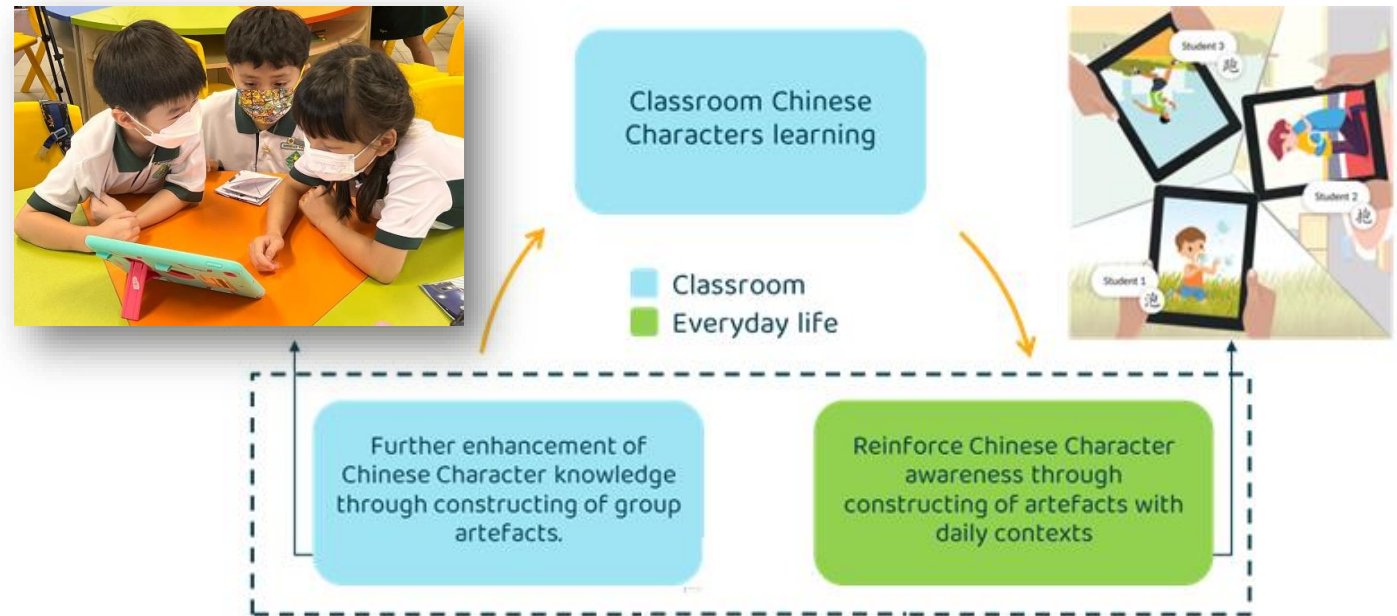
4. Any issue that you faced in the conduct of your study thus far?

1. Why do we choose a development grant

→ When do we choose a development grant

- **Not all** projects related to systems or learning materials are suitable for applying for a development grant.

Development projects aim to **implement tested ideas** or **create useable, functional products or processes** that can directly improve the education system through **their tangible impact on learning**



Technology-enhanced Chinese vocabulary learning

2. What factors may add value in application?

- Relevant development experience
- Instead of aiming for low-hanging fruit, work on breaking down task systematically and strategically.
- Beyond scenario, providing specific examples to visualize your ideas





3. How did I choose MOE collaborator → Why did MOE collaborators choose us?

- We listen to what they need; We are always attentive to their needs



Not only should it align with the school's curriculum content, but it should also correspond directly to the curriculum, making it more convenient for teachers to use.

3. How did I choose MOE collaborator

→ Why did MOE collaborators choose us?

- We listen to what they need; We are always attentive to their needs
- We co-design with teachers

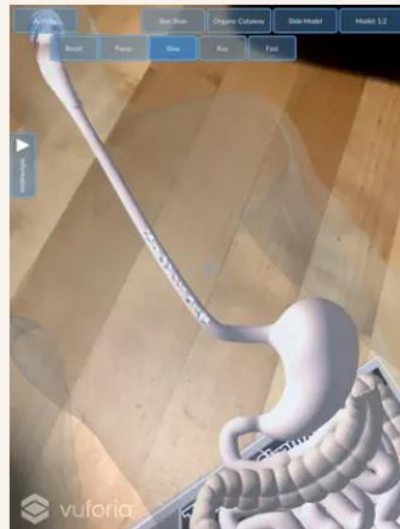
P4: Digestive System

P5: Circulatory System

P5: Plant Reproduction

P5: Plant Transport System (Coming Soon)

Primary 4: Digestive System - The Doctor's Digest



This augmented-reality app presents an interactive simulation of the human digestive system. Students take on the role of doctors to investigate medical cases by interacting with the simulation.

4. Issues we faced

Development projects need to ...

- Strike a balance between “**service**” and “**innovation**”.
- Be prepared for **long-term investments** to reap rewards.
- Always be prepared to face **personnel changes** in your development team
- Be ready to personally handle many **non-academic tasks**.

My Tips ...

- ✓ Set aside twice the time for development, especially for new system development.
- ✓ Pay attention to schools’ schedule and contact the school at least six months in advance.

Thank you for your time !

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