Game-Based Learning: Increased Engagement, New Challenges That Intrigue Learners, and Adaptive Learning and Assessments

Applying Game-Based Learning to Coding Education in K-12

Presenter: Pam Wong
Location: Hong Kong

Pam Wong

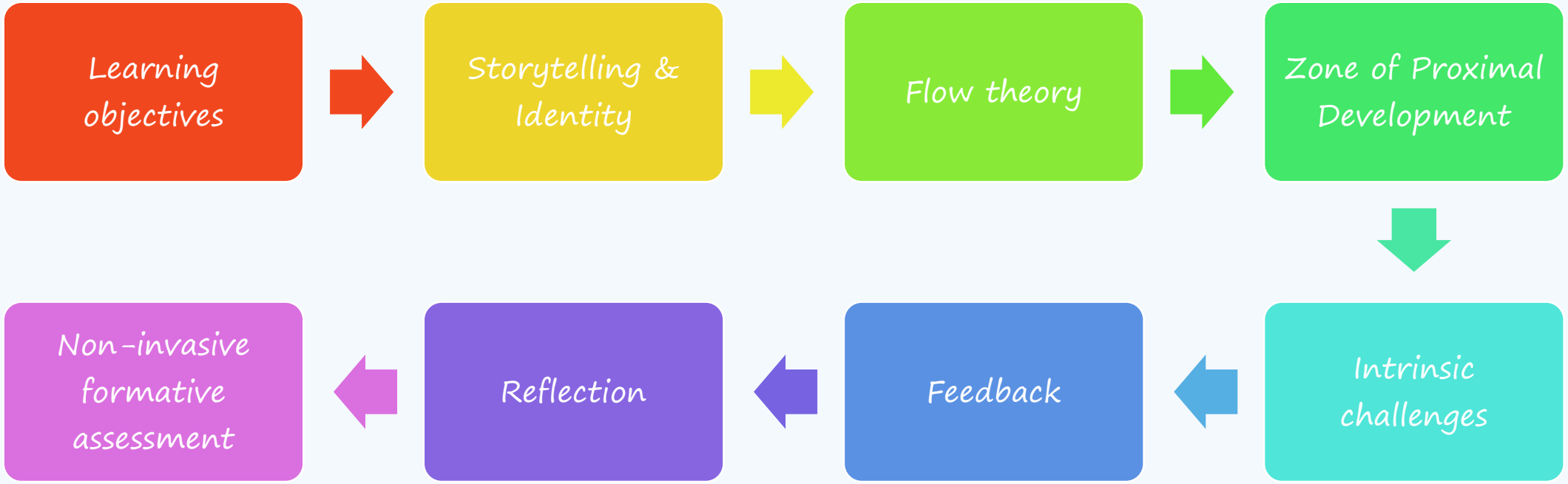
- California State University, Fullerton
- MSIDT – Master of Science Instructional Design and Technology
- Project Manager (Parent Education), CoolThink@JC program, Hong Kong

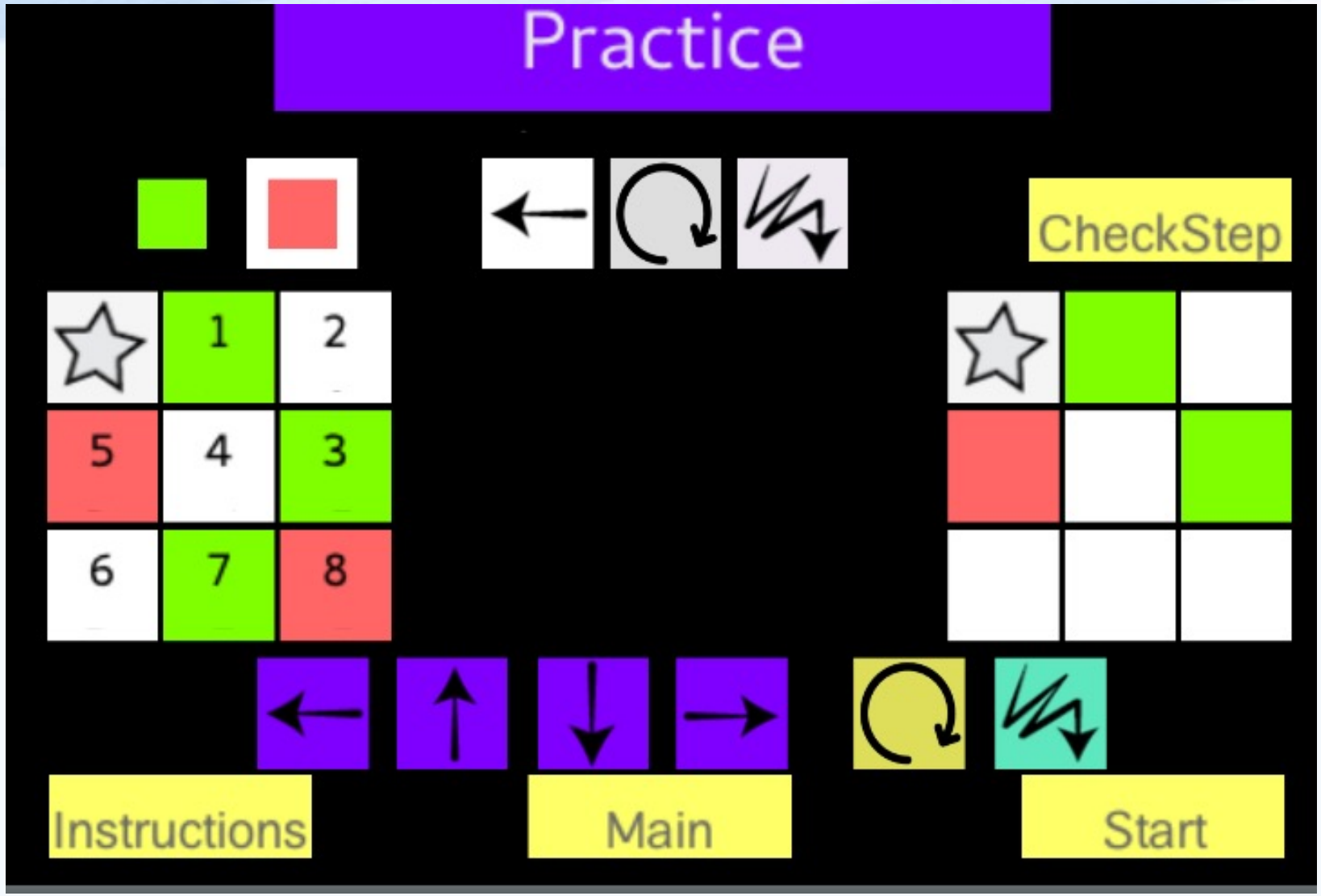
Scope of Presentation

- Computational thinking (Wing, 2006) and coding education
- Parent Education (CoolThink@JC – a 4-year initiative)
- Educational game and game-based learning
- *HowProgramWorks* – a game to illustrate two fundamental concepts of coding (*algorithm* & *program*)
- Unplugged activities (Code.org)

Findings and Discussions

Educational Game & Game-Based Learning





Start Playing…

Questions

and

Answers

Thank You for Watching!

Pam Wong

Project Manager for Parent Education
CoolThink@JC, Hong Kong

hauyung@gmail.com

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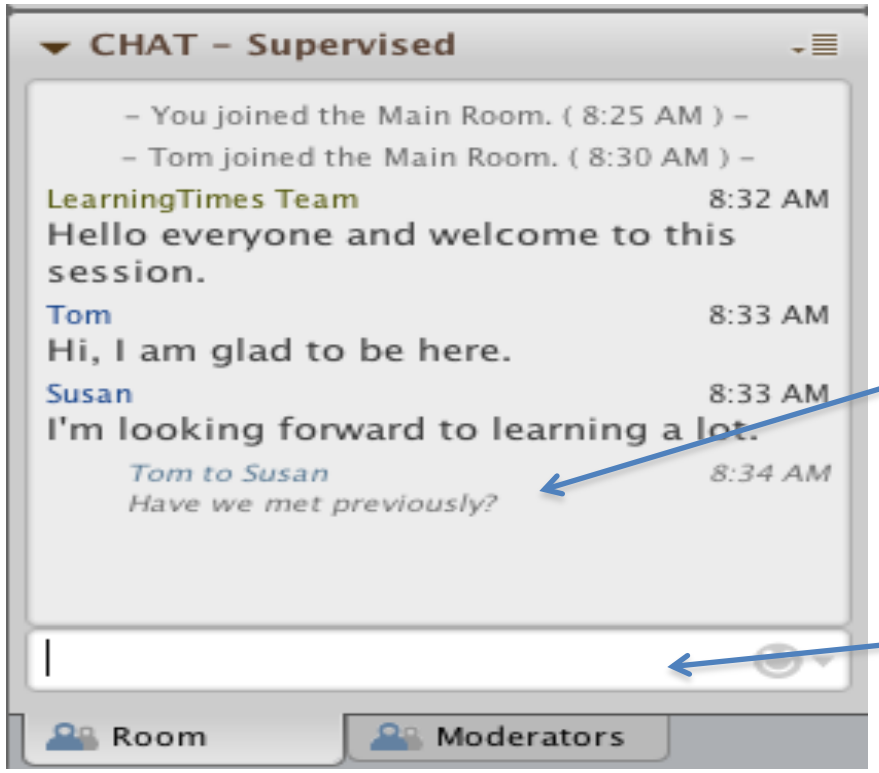
Chat with us!



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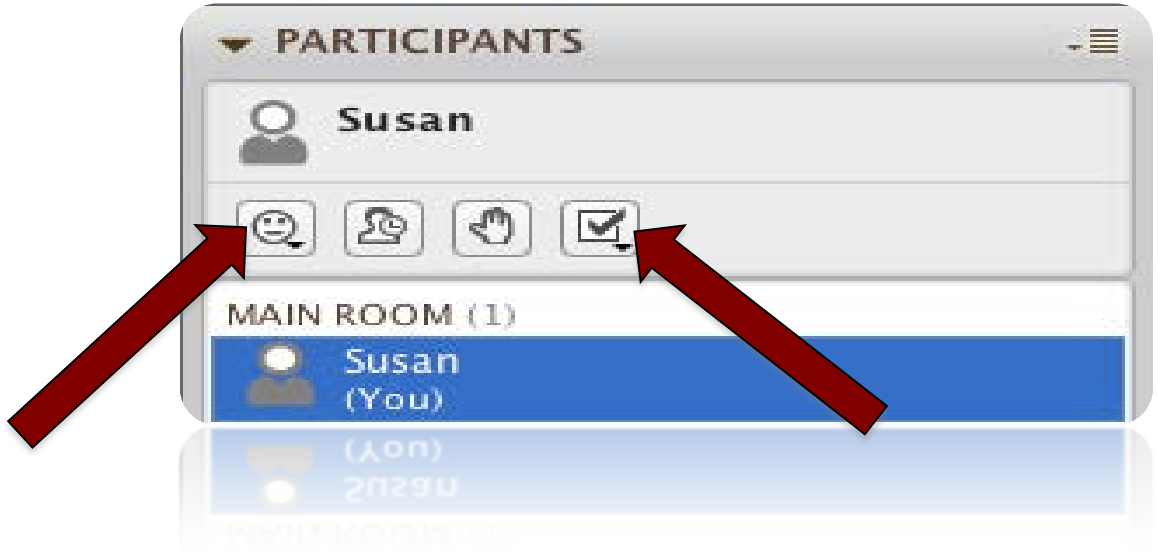
Polls, smiles and handraising



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