

# Creative Visual Block Programming

A project group (OCC 6 – Team 4) from WIX2002 Project Management, Universiti Malaya (UM) successfully organized *The Scratch Workshop*, on Friday, 12 December 2025 at SJK(C) YUK CHAI. 30 primary school students (standard 5) had explored and learned creative visual block programming through the Scratch platform. The UM students and the primary school students gained valuable experience throughout the workshop.



Through the *Mouse-Guided Item Collection Game* and *Apple Catcher Game*, participants applied event handling, loops, conditionals, and logical thinking.



Hands-on activities and a Scratch Logic Quiz to reinforce key programming concepts

This is an educational outreach event aligned with SDG 4: Quality Education, aimed at introducing primary school students to the fundamentals of computational thinking and basic programming. This workshop promotes digital literacy, creativity, and problem-solving skills in a fun and interactive learning environment.

## Scratch Explorers

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The workshop was conducted as a hands-on session, where participants were guided step-by-step to create simple animations and games using block-based programming interface of Scratch platform (<https://scratch.mit.edu/>).

Throughout the session, facilitators provided close guidance and encouragement to ensure that students with little or no prior programming experience could actively participate and understand the concepts taught. The event successfully fostered interest in programming while enhancing students' confidence in using technology creatively. Activities

such as the Mouse-Guided Item Collection Game and the Apple Catcher Game allowed participants to apply event handling, loops, conditionals, and logical thinking in a practical setting. Pair-based learning encouraged collaboration and peer support. This helps to build confidence and make coding accessible, enjoyable, and inclusive for young learners.

**Special appreciation to the following students that also contributed to the event: Lee Zi Xuan, Yeong Hui Ni, Chong Chee Yan, Chua Xin Yi, Tang Yong Chun, Selina Sia Hui Yi, Kuan Hui Min, Ee Si Ying.**