



ST STEPHEN'S SCHOOL
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(founded in 1957)

A School of the *DeLaSalle* Brothers

8 May 2017

Dear P4 Parents,

As part of a national initiative to make Singapore a Smart Nation, Prime Minister Lee Hsien Loong urged schools to expose students to IT and basic coding skills - coding and computational thinking skills for students to pick up and help build Singapore into a Smart Nation (using technology to make life better and more convenient for people).

The school is conducting for P4 students, Code for Fun Enrichment Programme (collaboration by IDA and MOE) which uses simple logical reasoning, animation and academic learning of related concepts (algorithms and logical reasoning to solve problems by breaking them down in a fun way) through programming languages, such as Scratch and combining it with robotic kits - students learn to think creatively, work collaboratively, and reason systematically. The classes will be conducted during curriculum hours (5 sessions x 2 hours) from 9 May to 25 May (except weekends & Vesak Day).

Our school aims to promote interest and develop talents in computing while students experience the importance of being creators, rather than just consumers of technology.

This enrichment program is designed to develop childrens' computational thinking concepts and practices (iterative, debugging, remixing and etc.) using mOway robotics (Spain), and the Scratch programming language developed by the Massachusetts Institute of Technology (MIT) - more information can be obtained from <https://scratch.mit.edu/> and <https://scratch.mit.edu/parents/>

Objectives & Learning Outcomes (After students have completed this course) :

- ✓ Understand the fundamentals of coding
- ✓ Connect Moway robot to the computer through radio frequency
- ✓ Write and run Scratch programmes
- ✓ Use sensors to determine decisions
- ✓ Debug simple programs
- ✓ Search for reference or activities from the internet

Program Outline :

- ✓ Introduction to Scratch Programming
- ✓ Introduction to mOway Robot
- ✓ Programming with Scratch + mOway

Laptops and educational kits (mOway) for the training will be provided by the school.

We look forward to your child's active participation in the programme.

Regards

Murni Masuath
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St Stephen's School

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