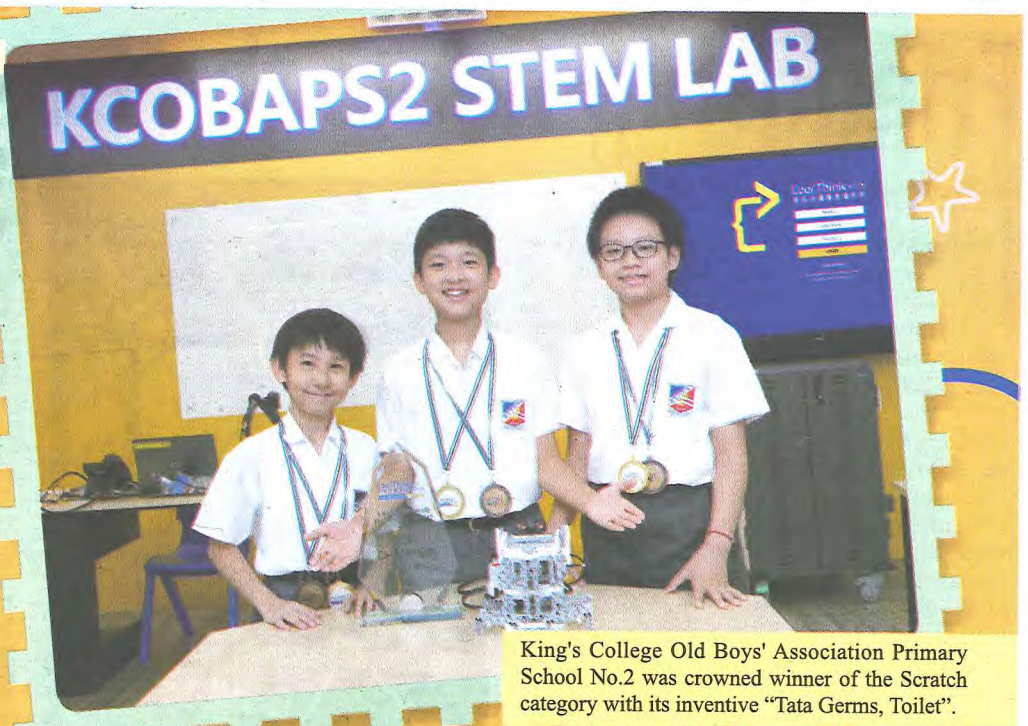




Chan Sui Ki (La Salle) Primary School took home the winner of the App Inventor category with the "Smart Home Pandemic Fighter"



King's College Old Boys' Association Primary School No.2 was crowned winner of the Scratch category with its inventive "Tata Germs, Toilet".

CoolThink@JC Competition 2020

Little Coders Combat COVID-19

Funded and co-created by The Hong Kong Jockey Club Charities Trust, CoolThink@JC Competition 2020 attracted close to 100 teams across different primary schools. The online migration of the finals didn't rain on these students' parade; instead, all of them impressed the judges with not just their inventive masterpieces and presentations, but also their clever exercise of computational thinking, programming, problem solving and teamwork.

Targeting students in the upper primary, the fourth CoolThink@JC Competition 2020 saw submissions that were laudably practical yet creative and covered a wide range of social issues including the pandemic. Particularly memorable submissions include Chan Sui Ki (La Salle) Primary School's "Smart Home Pandemic Fighter", which was named champion of the App Inventor category; as well as King's College Old Boys' Association Primary School No.2's "Tata Germs, Toilet", which was crowned winner of the Scratch category.

Solving the Pandemic with Programming

President of Caritas Institute of Higher Education Dr Kim Mak applauded participants' immense creativity in the competition that actually took inspiration from the pandemic rather than be affected by it. He said, "Elementary school is the time for students to take in information from all aspects of life. Students excelled in the competition, whether in their capabilities, programming, creativity or team work. We were truly impressed."

Students from King's College Old Boys' Association Primary School No.2 showcased an innovative "Tata Germs, Toilet" – a smart device that can be installed on the toilet seat. Aside from auto-flushing, this brainchild also deploys artificial intelligence to adjust its self-cleaning function according to frequency of usage, significantly reduces user's contact with toilet seat.



King's College Old Boys' Association Primary School No.2's "Tata Germs, Toilet"

Chan Sui Ki (La Salle) Primary School's "Smart Home Pandemic Fighter", on the other hand, reminded us to stay vigilant against the virus even at home. The door knob, smart garbage bins and other AI-fitted devices encouraged users to adopt habits like washing hands, showering, disposing their masks properly and more to minimise chances of infection while keeping the home clean.



Chan Sui Ki (La Salle) Primary School's "Smart Home Pandemic Fighter"

Get all the tips on your Anti-Pandemic App

Students at Tung Wah Group of Hospitals Tang Shiu Kin Primary School, meanwhile, designed an exploration game so players can break a sweat and "travel the world" during lock down. Finally, students from Lok Wah Catholic Primary School introduced their "Pandemic Expert" app complemented with daily tips and special features like a map pinpointing infected persons' whereabouts.



Tung Wah Group of Hospitals Tang Shiu Kin Primary School won the First Runner-Up & The Best Team Collaboration Award in Scratch Category



Lok Wah Catholic Primary School, the Merit winner & The Best Use of Technology Award in App Inventor Category

To cater to the most vulnerable demographic, PLK Dr. Jimmy Wong Chi-Ho (Tin Sum Valley) Primary School designed an app to monitor the elderly's consultation and medication schedules with a voice-record function so all family members can stay abreast their conditions.



PLK Dr. Jimmy Wong Chi-Ho (Tin Sum Valley) Primary School, the First-Runner-up in App Inventor Category

The Hong Kong Jockey Club's Head of Charities (Trusted-Initiated Projects Management) Irene Leung highlighted that CoolThink@JC Competition 2020 demonstrated students' digital creativity and made use of technologies for goods in a joyful way. The number of submissions themed around the pandemic was reflective of children's observation of our social issues and their abilities to solve community problems with creative ideas.