



NEWSLETTER

SIS @ Saigon South

March 2022

STEM Updates

Our return to campus was very welcomed, by all staff and students alike. One of the best things about coming back was being able to learn and apply STEM thinking skills in different ways. 'STEM in the Classroom' was provided by doing experiments, such as seeing how SAMPLE. For 'STEM in the Lab' younger students used mTiny and Codey Rocky to learn about coding. We also participated in a "Hackathon", giving older students the opportunity to their design thinking to the test in a competition format.



STEM in the Lab

Since returning to campus, every class is able to go to the STEM Lab once per week.

Our youngest students learn with mTiny, their robot friend. With this they begin to understand that 'coding' is how we tell the robot what to do. Coding cards & a wand are used to send commands.

Students in Years 2-5 take a step up by using 'scratch'-style coding with iPads & with Codey Rocky. Their goal is to select the proper coding sequences to have Codey Rocky complete patterns or tasks.

Years 6 and higher have the UBTech kit with which to extend their knowledge and improve their skills, following instructions to build various items directions.

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STEM in the classroom

Exploring the concepts of science, technology, engineering, and mathematics is not confined to the STEM Lab, of course. Rather, there are many opportunities for students to gain knowledge and practice various skills with classroom-based activities. For example, observing and analyzing how colored dye moves up and through paper towels into cups of water (from areas of higher concentration to areas of lower concentration). These observations are then correlated to their science syllabus.

[ADD VIETNAMESE TRANSLATION]



Hackathon

Students in Years 7-A Level participated in a STEM challenge: identify a problem of



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SIS INFO APP



Team Boss Mode

Bui Kim Yen, Tran Khanh Tu,
Phung Bao Ngoc

Our app:

This app provides all the information for our school. Upcoming Events, News, School Fees, Students and Teachers Page, and much more.



WATCH THE PRESENTATION

COOKING STARMANIA



Team Banana

Guan Guo Yue, Kieu Huynh Anh, Tran Duc Duy

Our app:

Our app helps people not to waste food by creating recipes with your leftover food and helps entertain you when cooking too. You can also donate to help solve another sustainability problem.

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sustainability in your community and design an app to address it. This challenge focused on “app ideation”, and so actual coding or developing a useable app was not the goal.

Each class was divided into several teams, who then had only 3 days to work. Teams presented their ideas and 3 winners were selected; one team each from Y7-8 International, Y7-9 Integrated, and IG1-A Level (see poster images that are included).



These winners were submitted to a competition with our sister campuses in Binh Duong New City, Can Tho, and Vung Tau. Students on the winning teams also presented their posters at a live event which involved not only the other three schools, but also Professor Brett Kirk, the Dean of RMIT School of Science, Engineering, and Technology.

Ask your child (if they are in Y7 or higher) to explain what their team did.

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Universal Tree Coders
Le Hác Du, Huang Qi, Lam Quan Du,
Pham Phan Hai Dang, Danish Irfan Zov

Our app:

In the year 2030 the world has been devastated by human destructive behaviour. Many environments and animals in their habitat have been destroyed with several species remaining. Your objective is to use the remaining resources to save the world.

*Never gonna give the environment up,
never gonna let the environment down*

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Looking Ahead

At the end of the semester we will have another STEM activity, which may include again collaborating with other SIS campuses (details pending). In the new school year we plan to have events on campus for parents to come and learn about – as well as explore using – the various STEM Lab robotics & coding materials.
Stay tuned!