

KVIS-ISB Student Research Collaboration Program

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Kamnoetvidya Science Academy (KVIS) was founded by PTT to educate high-ability students to become future researchers and scientists, with a mission to cultivate creative thinking to drive future innovation. This is in line with the Thai Ministry of Education's stated aim of developing students' scientific inquiry and analytical thinking skills as part of the 4.0 goal to establish Thailand as a center of research and innovation.

A student inquiry program in physics has been developed and maintained at International School Bangkok (ISB) for over 10 years, with successful projects being reviewed and published in the International Scholastic Journal of Science (isjos.org). Drawing on this experience the KVIS-ISB Student Research Collaboration (SRC) program was established in 2017 as a way in which KVIS students could begin to develop research and publishing skills, and ISB physics students could deepen their experience of research, collaboration, and publishing. The initial SRC program paired ISB grade 12 students with KVIS grade 10 students to collaborate on joint projects. Three weekends were spent designing procedures, taking measurements and drafting papers for review by ISJOS.

KVIS students reported that they benefited from the program through increased understanding of the process of research and had gained confidence in their ability to participate as members of the scientific community. ISB students welcomed the opportunity to collaborate and to further develop their skills in research and publishing.

The authors will continue to develop and expand the SRC program, and are interested in helping to establish similar programs with other secondary schools in Thailand.

Primary authors: Dr MEDHISUWAKUL, Min (Kamnoetvidya Science Academy); Dr EALES, Jonathan (International School Bangkok)

Presenters: Dr MEDHISUWAKUL, Min (Kamnoetvidya Science Academy); Dr EALES, Jonathan (International School Bangkok)

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