BROMSGROVE SCHOOL
MISSION HILLS
柏朗思观澜湖学校

CCA
EXPERTISE & INTEREST

STEAM
Fun Science

Through fun science experiments, children will practice framing questioning, collecting data, and solving scientific problems.

Using Next Generation Science Standards (NGSS) from the US as guiding benchmarks, the Moonshot Labs curriculum is specifically designed to provide age-appropriate, interdisciplinary STEAM activities for children ages 3 -12 to explore, test, and observe the sciences. All the lessons are conducted under UN's 17 sustainable development goal in order to help kids learn worldwide problem, like Climate change, natural disasters, etc. This course involves learning and exploring 4 SDG objectives, such as SDG14 Sewage Saviour of Underwater Life/Environmental Ambassador/Pesticide Wizard, and SDG3 Human Health and Well-being, exploring body mysteries. More topics the students will learn about in class experiments. Looking forward to your joining!

Course Teacher Information:

1) Jiani Xiong, University of Michigan; 3 years of teaching experience as STEAM instructor.
2) Mango Luo, South China Normal University; 9+ years of Elementary and STEAM experience.

Basic Information Overview	
Year Group (s)	P1-P2
Teacher Source	Tongxuan Education
Number of lessons	1 per week, 17 sessions in Term 2
Language	Chinese
Venue	Kapok Classroom, K303
Class Time	Wednesday, 3:45-4:45PM

Course Overview	
Enrollment Criteria	Students who are curious about the world are welcomed to this course. They would learn basic science knowledge and practice scientific thinking skills. Since the classes are conducted under UN SDG theme, the students will also learn how to become a caring global citizen.
Engage and Assess	In the first weeks of the course, students will be assessed on their ability to do fun science experiments; science-related board books will be read and the students will establish connections with teachers through stories and fun games related to science.
Explore and Develop	In the middle weeks of the course, students will begin to realize that science is everywhere in life, and students will begin to solve some problems by using scientific thinking skills they have been practiced in the class. They will often solve the real world problems by using scientific knowledge.
Refine and Present	In the final weeks of the course, students will be able to understand basic chemical reactions and basic physics, as well as basic engineering. They will get more used to solve problems by using scientific thinking skills.
Parent Engagement Opportunity	Parents will be invited to an open class. The teachers and the children will together lead the parents to do some science experiments
Others	Water bottle