

The Mystery of Nature Color

Course Teacher Information:

Why is the plants colorful? How does people use the color of plants? Is there a way to keep plants beautiful color? This CCA is designed around the above three questions, and guide students explore the secrets of plants from macroscopic and microscopic views. Through the course teaching, students can do experiment operation, learn the link between daily life and science knowledge, try to scientific inquiry activities, stimulate students curiosity about the world around them and thirst for knowledge, and improve students found the problem, the ability of thinking.

The teacher has a master's degree in molecular biology background with more than 5 years experience in teaching STEAM.

Basic Information Overview	
Year Group (s)	P1-P2
Teacher Source	VGCC teachers
Number of lessons	1 per week, 7 lessons in Term 1
Language	Chinese
Venue	Kapok Classroom, K304
Class Time	Friday, 3:45--4:45PM

Course Overview

Enrollment Criteria	Students who have enthusiasm can participate.
Engage and Assess	In the first weeks of the course, teacher will evaluate students' interests, doing inquiry activities, design experiments and Field Trip activities, to train students' observing, hand working and problem solving ability, encourage student's love and enquiry to the nature.
Explore and Develop	Students will understand the theory and concept during study, learned practical methods and recording scientifically, will use the method of Observe-Hypothesis-Experiment-Conclusion to improve their thinking ways.
Refine and Present	Students will unlock the structure and function of plant leaves and flowers, green plant photosynthesis, capture the pigment of light energy, the relationship between flowers and pollinators, animal and plant cell structure, common plant dyes, such as scientific knowledge, and master the use of microscope, plant leaf pigment extraction and separation, temporary put piece of production, the production of suppression of dried flowers, crystal specimens, experimental methods and skills. At the same time, the session before the success of the project are available.
Parent Engagement Opportunity	Welcome parents to participate in the lesson. Will have a design of learning results share with parents.
Others	Minimum students number is 10.

