



How Things Work – Science in Action

Explore, Hypothesise, Test and Discover: Experience the Magic of Science in Action!

Course Teacher Information:

Ms. Ella Ji is our BMH Prep 4 & 6 Science Teacher and Senior School Chemistry Teacher. Ms Ella guided students for City Chemistry Competition and won prize. She is passionate about sharing her knowledge and enthusiasm for the world of Science. She enjoys teaching Science through exploration, discovery and STEAM projects lend themselves to this perfectly!

Basic Information Overview

Year Group (s)	P5-S7
Teacher Source	Ms. Ella Ji, BMH Teacher
Number of lessons	1 per week, 11 lessons in Term 1
Language	Chinese
Venue	Maple, Science Lab (M201)
Class Time	Tuesday, 15:45-16:45

Course Overview

Enrollment Criteria

Students who have an interest in Science and exploring the world; Students should be able to follow instructions, read basic instructions and be confident to share their ideas.

Engage and Assess

In the first weeks of the course, students will be assessed on their Science and Communication skills through the presenting of simple STEAM challenges and problems to be solved. Ms. Ella will lead students through the challenges by explaining the Scientific Process and working through this in tandem while students share their ideas and reflections. Students will learn to hypothesise.

Explore and Develop

In the middle weeks of the course, students will start to take more of a lead in their STEAM challenges and begin applying the Scientific Process with greater independence. They will learn to refine and reflect upon their hypotheses by conducting experiments to test their validity.

Refine and Present

In the final weeks of the course, students will work towards posing their own problems and questions, setting their own challenges and working their way through them by adapting and refining the Scientific Process through group tasks.

Parent Engagement Opportunity

A showcase of student learning throughout the course will be developed to reflect the stages of learning and the collaborative projects undertaken.

Others

Students may be asked to provide a lab coat or oversized shirt to wear during experiments for this CCA.

