

How Do Matters Matter?

Course Teacher Information:

Material status can not only known as solid, liquid and gas. Is it still water when the water turn into snow? The answer is yes! Our world is full of solid, liquid, gas or other substances, they can be from one substance into another substance state, but will not change its chemical substances. In this lesson, students will explore the state of different material and their interaction. The teacher studied at the university of Hong Kong STEAM master degree, has 3 years experience in international education.

Basic Information Overview	
Year Group (s)	P3-P4
Teacher Source	VGCC teachers
Number of lessons	1 per week, 7 lessons in Term 1
Language	Chinese
Venue	Oak Classroom, O201
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 use small experiments to raise student's interests, and learn practical and logical knowledge at the same time. Teacher will set Q&A, QUIZ during class and let students make their own thinking map, poster etc., encourage students to think and reflect.
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 know the material of different states, and in the micro level distinguish between solid, liquid and gas; From the state, density, conductivity, solubility, melting point and boiling point to understand physical properties of materials; From flammable, corrosive, PH value, the nature of the chemical reaction, chemical reaction of the change of energy understand the chemistry of the material, and applying these features to solve practical problems, we will create conditions for the child in the classroom to power show about the experiment process and the conclusion.
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.

