

# SCIENCE

## **Subject Information(課程資料)**

### Aims(課程宗旨):

- **develop curiosity and interest in science;**
- **develop the ability to make inquiries about science and solve problems;**
- **acquire scientific knowledge, science process skills and generic skills;**
- **develop the ability to integrate and apply knowledge and skills of science and related disciplines;**
- **develop an understanding of the nature of science;**
- **become familiar with the language of science to communicate science-related ideas;**
- **recognize the social, ethical, economic, environmental and technological implications of science, and develop an attitude for responsible citizenship and a commitment to promote personal and community health;**
- **become lifelong learners of science for personal development; and**
- **be prepared for further studies or future careers in scientific, technological and engineering field.**

### Curriculum Framework(課程架構):

Level	Unit	Topic
S1	1	Introducing Science
	2	Water
	3	Looking at Living Things
	4	Cells, Human Reproduction and Heredity
	5	Energy
	6	Matter as Particles
S2	7	Living Things and Air
	8	Making Use of Electricity
	9	Common Acids and Alkalis
	10	Sensing the Environment
	11	Force and Motion
S3	12	A Healthy Body
	13	From Atoms to Materials
	14	Light, Colours and Beyond



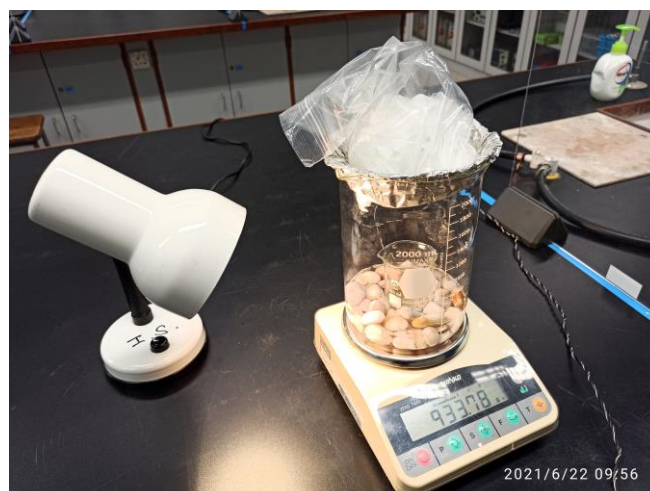
## Assessments(評估方法)

### 3 Assessments per year

	Content	Weight
Test mark (A2)	Tests & Quizzes	30% of test mark
	Uniform test	70% of test mark
Exam. mark (A1 & A3)	Courseworks (Tests and quizzes, online reading, practical skill, model making, project, SE activity, worksheets, classwork and homework, etc)	30% of examination mark
	Written Examination	70% of examination mark

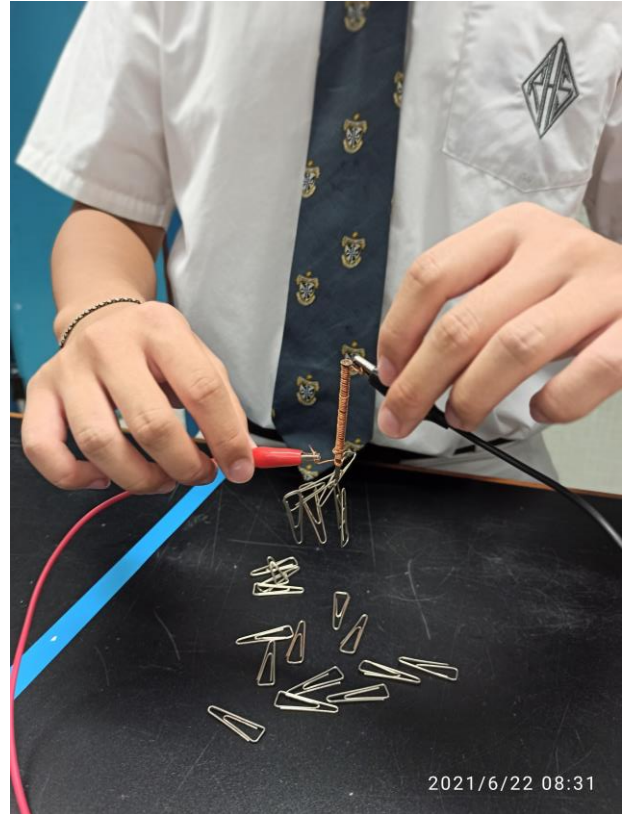
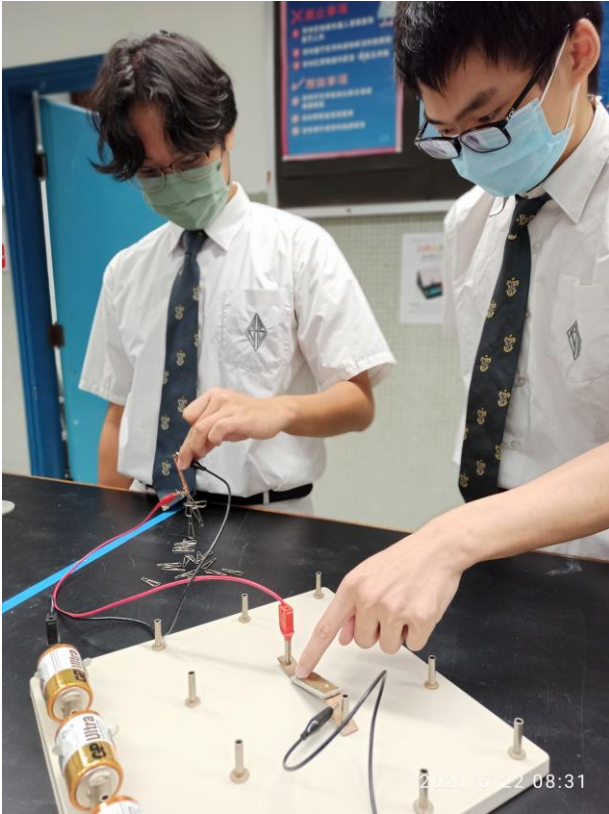
## Learning Activities(學習活動)

### S1 Scientific Investigation

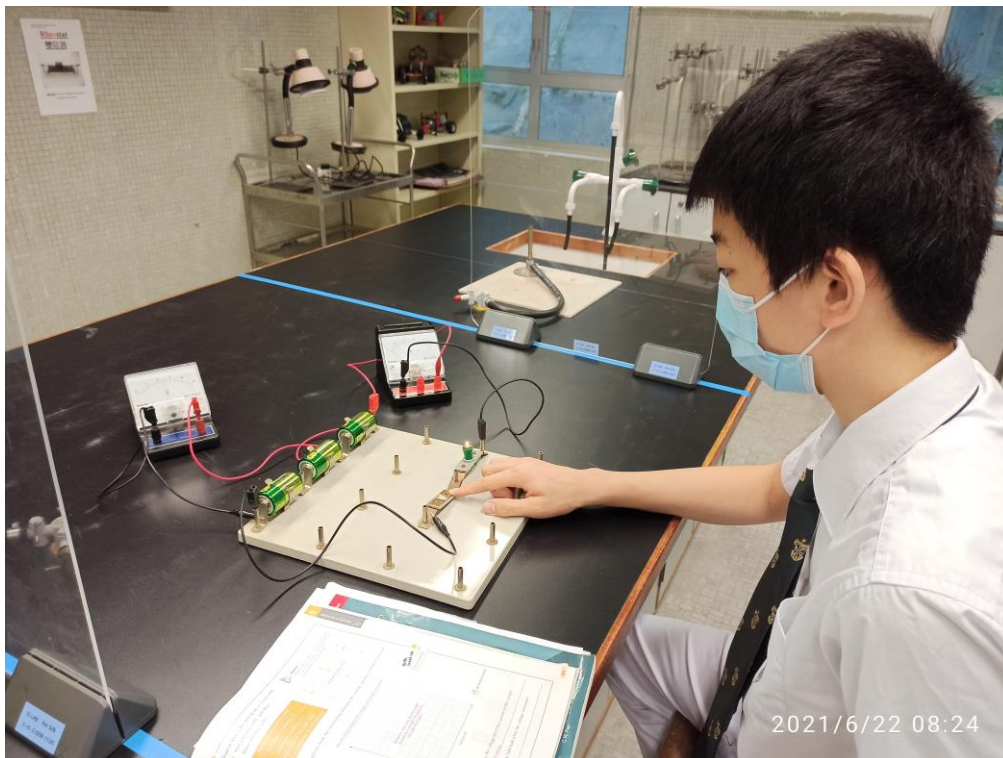


Experimental set-up stimulating the formation of rain.

## S2 Scientific Investigations



Experiment showing the magnetic effect of a coil carrying an electric current.



Experiment finding out how voltage affects the current in a circuit.