

Po Leung Kuk Centenary Li Shiu Chung Memorial College
Teaching Schedule
2026/2027

Form: 1

Subject: IS

Subject Teachers: Chan CL, Lau WK

Textbook(s): Junior Secondary Science: Mastering Concepts and Skills (Oxford) Book 1A and 1B

Cycle	Dates	Syllabus to be covered (Knowledge to be learnt)	Teaching & Learning Skills to be used / learnt (eg. AI, Subject Skills)	Positive Values to be learnt (eg. Values Education & National Security Education)		Remarks*
1	2/9 –10/9	1.0 GROUPING AND LAB. SAFETY Unit 1: Introducing Science <u>1.3 Safety in the laboratory</u> A. Knowing your school laboratory B. Laboratory safety rules C. Hazard warning labels D. Handling common laboratory accidents E. Handling fire in the laboratory?	Notes taking skills	% Law-abidingness	2 2 1	
2	11/9 – 18/9	E. What to do in case of fire? <u>1.1 Learning about science</u> A. What is science? B. Nature of science? C. Application and impact of science <u>1.4 Laboratory apparatus and basic practical skills</u> A. Common laboratory apparatus B. Sectional diagrams of apparatus	Drawing of sectional diagrams	(Discovery of Youyou Tu and invention of Charles Kao) # Strand 7: Recognize the country's excellent cultural tradition	1 1 1 2	WS
3	21/9 – 30/9	C. Transferring and mixing solutions D. Making measurement			2 3	
4	5/10 – 12/10	D. Making measurement_ E. Heating substances			2 3	
5	13/10 – 21/10	<u>1.2 Practice of science</u> A. Basic steps of a scientific investigation B. A closer look at the basic step of scientific investigation C. Types of scientific investigation 1.R Revision & Chapter Quiz	Identify three variables in fair test		4 1	

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6	22/10 – 5/11	1.R Revision & Chapter Quiz Unit 2: Water <u>2.1 Change in states of water</u> A. Processes of change in states of water B. Temperature change during change of states of water <u>2.2 The water cycle</u> A. Processes of the water cycle	Graph interpretation skill		1 1 2 1	UT (26/10-30/10)
7	6/11 – 13/11	A. Processes of the water cycle B. Rate of evaporation <u>2.3 Dissolving</u> A. Solvent, solute and solution B. Rate of dissolving			1 2 1 1	
8	16/11 – 26/11	B. Rate of dissolving C. Solubility <u>2.4 Water purification</u> A. Impurities in natural water B. Methods of water purification	Graph interpretation skill (Solubility curve)		1 2 1 1	
9	27/11 – 4/12	B. Methods of water purification			5	
10	7/12 – 15/12	<u>2.5 Further treatment of drinking water</u> NSE: Caring about our water source – the <u>Dongjiang</u> 2.R Revision & Chapter Test STEAM project	AI-generated data set WS	# Strand 7: Recognize the importance of resource security	1 2 2	NSE WS WS
11	16/12 – 21/12 4/1 – 16/1	STEAM project First Term Revision First Exam	Subject Skills: 1. Identify three variables in fair test 2. Graph interpretation skill		1 2	WS
13	18/1 – 19/1	Exam Paper Review			2	
14	20/1 – 27/1	Unit 3: Looking at Living Things <u>3.1 Living things</u> A. Vital functions of living things? B. Wide variety of living things <u>3.2 Grouping of living things</u> A. Advantages of grouping living things B. Different groups of animals C. Adaptation of living things to their habitat			2 2 1	Exclude plants

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15	28/1 – 15/2	<u>3.3 Identification key</u> <u>3.4 Biodiversity</u> A. Importance of biodiversity? <u>NSE: Endangered no longer – Giant panda's remarkable recovery</u> 3.R Revision & Chapter Test		# Strand 7: Recognize the impact of human activities on the ecology and environment, and the necessity of safeguarding ecological security	1 1 1 2	WS (key) NSE WS
16	16/2 – 23/2	Unit 4: Cells, Human Reproduction and Heredity <u>4.1 Cells</u> A. Basic units of living things B. Observing cells C. Plant cells and animal cells	Cell drawing		1 1 3	
17	24/2 – 5/3	<u>4.2 From a single cell to a multicellular organism</u> A. Cell can divide, grow and differentiate C. Controlling cell activities <u>4.3 Sex cells and reproductive system</u> A. Sex cells B. Fusion of a sperm and an ovum <u>4.6 Heredity and variation</u> A. Heredity		% Life education % Sex education	1 2 1 1	Exclude 4.2B Exclude 4.3C, 4.4, 4.5
18	8/3 – 15/3	B. Variation 4.R Revision & Chapter Quiz		% Respect for Others	3 2	
19	16/3 – 8/4	Unit 5: Energy <u>5.1 Energy changes</u> A. Forms of energy B. Energy conversion C. Conservation of energy			1 3 1	UT (22/3-25/3)
20	9/4 – 16/4	<u>NSE: Ensuring stable supply and safe use of energy</u> 5.R Revision & Chapter Quiz Unit 6: Matter as Particles <u>6.1 Matter and particle theory</u> A. What is matter?		# Strand 7: Recognize resource security and nuclear security	1 2 2	NSE WS

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21	19/4 – 29/4	B. Particle theory C. Evidence for practice theory <u>6.2 Particle model</u> A. Practical model and the three states of matter? B. Explaining the properties of solids, liquids and gases using the particle model			1 2 1 1	
22	30/4 – 7/5	B. Explaining the properties of solids, liquids and gases using the particle model STEAM competition preparation <u>6.3 Dissolving</u> A. Describing dissolving using particle theory B. Does mass change in dissolving C. Does volume change in dissolving?	Information Literacy (source quoting)		1 2 1 1	STEAM WS
23	10/5 – 18/5	<u>6.4 Thermal expansion and contraction</u> A. Explaining thermal expansion and contraction using particle theory B. Daily applications of thermal expansion and contraction <u>6.5 Gas pressure</u> A. Gas pressure and particle model B. How does volume affect gas pressure C. How does temperature affect gas pressure?			2 1 2	
24	19/5 – 26/5	D. Atmospheric pressure <u>6.6 Density</u> A. Understanding density B. Calculating density C. Sinking and floating D. Temperature and density 6.R Revision & Chapter Quiz			1 1 2 1	
25	27/5 – 3/6	6.R Revision & Chapter Quiz Second Term Revision			1 4	
26	4/6 – 7/6	Second Term Revision			2	

* To be completed by individual teachers after the cycle/topic is over on problems or difficulties encountered so that adjustments/amendments may be made when planning for next year.

Topic related to National Security Education.

% Twelve priority values and attitudes:

Perseverance, Respect for Others, Responsibility, National Identity, Commitment, Integrity, Benevolence, Law-abidingness, Empathy, Diligence, Unity, and Filial Piety.