

**Peicai Secondary School**  
**Subject Overview for Semester 2 / 2022**  
**Science [Secondary One (Normal Technical)]**

<b>Semester 2</b>			
<b>Term 3 [27 June – 2 September]</b>			
<b>Week</b>	<b>Chapter/Topic</b>	<b>Assignment/Homework</b>	<b>Weighted/Unweighted Assessment</b>
Week 1 [27 Jun - 1 Jul]	Topic 5: Heat  Skills/ Area of focus: <ul style="list-style-type: none"> <li>- Familiarise with science terms</li> <li>- Discussion of the importance of heat and its harmful effects (analysis of data)</li> <li>- Measuring Temperature</li> </ul>	WB / Notes  Discuss global warming and	
Week 2 [4 Jul - 8 Jul] <i>4 Jul- Youth Day Holiday</i>	Topic 5: Heat  Skills/ Area of focus: <ul style="list-style-type: none"> <li>- Learning how to use data logger</li> <li>- Usage of thermostat / application</li> <li>- Differentiate contraction and expansion, state some examples</li> </ul>	WB / Notes	
Week 3 [11 Jul - 15 Jul] <i>11 Jul- Hari Raya Haji</i>	Topic 5: Heat  Skills/ Area of focus: <ul style="list-style-type: none"> <li>- Bimetallic strip</li> </ul>		<b><u>Unweighted assessment</u></b> Quiz of Heat
Week 4 [18 Jul - 22 Jul]	Topic 6: Matter  Skills/ Area of focus: <ul style="list-style-type: none"> <li>- Differentiate various thermal processes</li> <li>- Differentiate the 3 states of matter</li> <li>- Density (inquiry based lesson)</li> </ul>	SLS Workbook PHet Simulation	

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	- Comparing of data		
Week 5 [25 Jul - 29 Jul]	Topic 6: Matter  Skills/ Area of focus: - Familiarise with science terms like Solution and suspension, solvents and solutes - Understanding and applying factors affecting rate of dissolving		
Week 6 [01 Aug - 05 Aug]	Topic 6: Matter  Skills/ Area of focus: - Solving problems using scientific knowledge  WA3 revision		<b><u>Unweighted assessment</u></b> WA3 Mock Paper
Week 7 [08 Aug - 12 Aug] <i>08 Aug: National Celebration</i> <i>09 Aug: PH</i> <i>10 Aug: School Holiday</i> <i>11 – 12 Aug: WA3</i>	WA3		<b><u>Weighted Assessment 3</u></b> <i>Duration:1 hour, Marks : 45</i>  <u>Topics/Areas to be tested:</u>  Topic 1: Laboratory Measurements and Procedures Topic 2: Forces Topic 3: Energy Topic 4: Electricity Topic 5: Heat Topic 6: Matter (up till solutions and suspensions)
Week 8 [15 Aug - 19 Aug] <i>15 – 17 Aug: WA3</i>	WA3 and Error Analysis		
Week 9 [22 Aug - 26 Aug]	Error Analysis Topic: Revision for topic 1 to 3		

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	Skills/ Area of focus: - Answering technique - Solving problems using scientific knowledge		
Week 10 [29 Aug - 02 Sep] <i>01 Sep; Teacher's Day celebration</i> <i>02 Sep; Teachers' Day</i>	Topic: Revision for topic 4 to 6  Skills/ Area of focus: - Answering technique - Solving problems using scientific knowledge		
<b>Term 4 [12 September – 28 October]</b>			
<b>Week</b>	<b>Chapter/Topic</b>	<b>Assignment/Homework</b>	<b>Weighted/Unweighted Assessment</b>
Week 1 [12 Sep - 16 Sep]	Topic 6: Matter  Revision for topics 1 - 3  Skills/ Area of focus: - Answering technique - Solving problems using scientific knowledge -		
Week 2 [19 Sep - 23 Sep]	Revision for topics 4 - 6  Skills/ Area of focus: - Answering technique - Solving problems using scientific knowledge		<b><u>Unweighted assessment</u></b> EOY Exam 2021 (time trial)

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Week 3 [26 Sep – 30 Sep]			<b><u>End of Year Examination</u></b> <i>Duration: 1 hour 30 mins,</i> <i>Marks : 70</i>  <u>Topics/Areas to be tested:</u>  Topic 1: Laboratory Measurements and Procedures Topic 2: Forces Topic 3: Energy Topic 4: Electricity Topic 5: Heat Topic 6: Matter
Week 4 [03 Oct – 07 Oct]			
Week 5 [10 Oct – 14 Oct]	Error Analysis		
Week 6 [17 Oct – 21 Oct]			
Week 7 [24 Oct – 28 Oct]	Post Exam Activity		

*This subject overview is tentative and is subject to changes.*