

Peicai Secondary School  
 Subject Overview for Semester 1 2023  
 Science Biology | Secondary 4 | Express

Term 1			
Week	Chapter/Topic/Skill/Area	Assignment/ Homework	Weighted Assessment
Week 3 & 4  T1W3 – CNY celebration (Fri)  T1W4 – CNY (Mon & Tue)	11.1 Sensitivity  11.2 The human nervous system  11.3 How does the nervous system process information?		
Week 5 & 6	12.1 What are sense organs?  12.2 How do we see?  • Practical		
Week 7 & 8	13.1 What are hormones?  13.2 Endocrine glands and the hormonal secretion  13.3 Effects of some hormones  13.4 Comparing endocrine and nervous controls	Assignment 1 – Chapter 9 TYS	<u>WA1 (T1W7):</u> <ul style="list-style-type: none"> <li>• Respiration in Humans</li> <li>• The nervous system</li> <li>• The human eye</li> </ul>
Week 9 & 10	16.1 Heredity  16.2 Basic knowledge for studying heredity  16.3 Determining genotypes		

Term 2			
Week	Chapter/Topic/Skill/Area	Assignment/ Homework	Weighted Assessment
Week 1 & 2	16.4 Discontinuous and continuous variation  16.5 Mutation	Assignment 2 – Chapter 12 TYS	
Week 3 & 4  T2W3 – Good Friday (Fri)	17.1 DNA  17.2 Genes <ul style="list-style-type: none"> <li>• Practical</li> </ul>	Assignment 3 – Chapter 11 TYS	
Week 5 & 6  T2W6 – Hari Raya Puasa (in-lieu) (Mon)	14.1 What is reproduction?  14.2 Parts of a flower  14.3 Pollination <ul style="list-style-type: none"> <li>• Practical</li> </ul>		
Week 7 & 8  T2W7 – Labour Day (Mon)	14.4 Fertilisation in plants  15.1 Gametes in humans  15.2 The male reproductive system <ul style="list-style-type: none"> <li>• Practical</li> </ul>		<u>WA2 (T2W8):</u> <ul style="list-style-type: none"> <li>• Nutrition in humans</li> <li>• Nutrition in plants</li> <li>• Transport in humans</li> <li>• Transport in plants</li> <li>• Hormones</li> <li>• Heredity</li> <li>• Molecular genetics</li> <li>• Reproduction in Plants</li> </ul>
Week 9 & 10	15.3 The female reproductive system  15.4 Puberty  15.5 Sexual reproduction in humans  15.6 Sexually transmitted infection	Assignment 4 – Chapter 10 TYS	

The subject overview is tentative and is subject to changes.