

## SCIENCE YEAR 8- SCOPE AND SEQUENCE

### SEMESTER 1 | TERM 1

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11
<b>Task 1 - Collaborative Project WTD 20% Due Week 8 Outcomes: 4WS, 5WS, 6WS, 7WS, 9WS</b>										
<b>Living World SC4 15LW</b>										
4WS-7WS&9WS Skills in the Scientific Method, Working Collaboratively, Planning, Conducting and Reporting Investigations			LW4&5 Human Health Solutions, Scientific discovery solving real world problem depth study, Ethics - criteria for implementation of technology to solve contemporary issues, Food Chains and webs, organism interactions, microorganisms, human impacts on ecosystems, technology to manage impact of natural events/disasters, scientific understanding and agriculture practices							

### SEMESTER 1 | TERM 2

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
<b>Task 2 - Mid Semester Exam WTD 20% Due Week 2 Outcomes: SC4 13ES, 15LW, 7WS, 8WS</b>									
<b>Task 3 - Resources Task WTD 20% Due Week 9 Outcomes: SC4 13ES, 7WS, 8WS, 9WS</b>									
<b>Earth and Space SC4 13ES</b>									
ES3&4 Earths, spheres review, Renewable and non-renewable resources from Earth's spheres, strategies for conserving and managing resources including Aboriginal and Torres Strait Islander peoples, water management with knowledge of the water cycle									

### SEMESTER 2 | TERM 3

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
<b>Task 4 - Chemistry Practical Assessment WTD 20% Due Week 8 Outcomes: 4WS, 5WS, 6WS, 7WS, 9WS</b>									
<b>Chemical World SC4 17CW</b>									
CW2&4 Atoms, Elements, Compound and Mixtures particle arrangement, The Periodic Table and its families, Cultures and their uses of elements and compounds, Compare Physical and Chemical Change, Indicators of Chemical change, examples of CC in nature, development of new polymers and pharmaceuticals, collaboration within disciplines to get new substances.									

### SEMESTER 2 | TERM 4

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11
<b>Task 5 - Yearly Exam WTD 20% Due Week 3-4 Outcomes: SC4 15LW, 13ES, 17CW, 11PW, 7WS, 8WS, 9WS</b>										
<b>Physical World SC4 11PW</b>										
PW3&4 Kinetic and potential energy, heat transfer, electricity, circuits, energy transformations, technology and energy efficiency, society and environmental solutions										

### SCIENCE – YEAR 8 SCIENCE ASSESSMENT SCHEDULE

TASK NUMBER	TASK 1	TASK 2	TASK 3	TASK 4	TASK 5
TOPIC AREA	Working Scientifically	Working Scientifically	Earth and Space	Chemistry	All topics
TASK DESCRIPTION	Collaborative Project (20%)	Mid Semester Exam (20%)	Resources Task (20%)	Chemistry Practical Assessment (20%)	Yearly Exam (20%)
DATE	Week 8, Term 1	Week 2, Term 2	Week 9, Term 2	Week 8, Term 3	Week 3-4, Term 4
OUTCOMES ASSESSED	4WS, 5WS, 6WS, 7WS, 9WS	SC4 13ES, 15LW, 7WS, 8WS	SC4 13ES, 7WS, 8WS, 9WS	4WS, 5WS, 6WS, 7WS, 9WS	SC4 15LW, 13ES, 17CW, 11PW, 7WS, 8WS, 9WS