

This unit addresses the following Australian Curriculum content descriptions: ACSIS124, ACSIS126, ACSIS129, ACSIS131, ACSHE119, ACSHE121, ACSHE223

LEARNING INTENTIONS AND SUCCESS CRITERIA		DATE COMPLETED
LI 1	Students will describe the structure of the Explore Science course	
SC1	I can outline the structure as Yearly Course → Unit (eight per course) → Lesson (ten per Unit) → Content (videos, documents and tasks)	
SC2	I can identify each lesson by its course code	
SC3	I can explain what Learning Intentions and Success Criteria are about	
LI 2	Students will become familiar with the Explore Science website	
SC4	I can login to my course	
SC5	I can navigate to and access the content of my lessons	
SC6	I can check my course progress and quiz results, and print my certificates	
LI 3	Students will define Science and identify some of the branches and occupations of Science	
SC7	I can define what is meant by the term Science as both knowledge and a process, and outline some of its limitations	
SC8	I can list and describe the four main branches of Science	
SC9	I can describe some jobs available in Science-related fields and list some famous scientists	
LI 4	Students will describe the scientific method and apply it to simple problems	
SC10	I can recall the four steps of the scientific method	
SC11	I can describe the difference between a hypothesis, a theory and a law	
SC12	I can use the scientific method to investigate problems, trends/patterns and contradictions	
LI 5	Students will undertake safe, fair and reliable practical investigations	
SC13	I can appreciate that safety is extremely important in practical investigations	
SC14	I can recall and apply the report scaffold for practical investigations	
SC15	I can understand that practical investigations must be fair and reliable, including the use of controls	
LI 6	Students will identify variables in practical investigations	
SC16	I can define the term "variable" and explain the difference between independent, dependent and controlled variables	
SC17	I can identify the independent and dependent variables in simple practical investigations	
SC18	I can understand the need to control variables in a practical investigation	
LI 7	Students will measure data in practical investigations	
SC19	I can recognise some common units of measurement in the SI (metric) system, including prefixes	
SC20	I can read a variety of scales	
SC21	I can identify some laboratory equipment used in practical investigations	
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LI 8	Students will use various techniques for recording and displaying data	
SC22	I can use tables to record the results of practical investigations	
SC23	I can recall the difference between line graphs and other graphs	
SC24	I can plot data from a table to make a line graph	
LI 9	Students will draw valid conclusions from data	
SC25	I can explain why a valid conclusion is important	
SC26	I can use data to make a valid conclusion	
SC27	I can identify sources of error in practical investigations	
LI 10	Students will understand the relationship between science and technology	
SC28	I can describe the difference between science and technology	
SC29	I can recognise a number of technologies used in practical investigations	
SC30	I can explain the advantages and disadvantages of using technology in practical investigations	
WORD BANK <i>safety experiment investigation law conclusion science scientific laboratory Bunsen burner diagram graph tables thermometer procedure temperature record distance volume mass measure hypothesis problem aim results</i>		