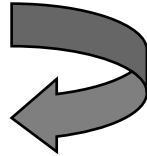


SCIENCE TERM TWO



## CHEMICAL SCIENCES

**Different materials can be combined for a particular purpose.**

- 1 **Explore and observe lots of materials, and describe how they are used.**
- 2 **Investigate mixing materials together.**
- 3 **Look at why different parts of objects are made from different materials.**
- 4 **Identify materials such as paper that can be changed and remade or recycled into new objects.**
- 5 **Investigate how traditional Aboriginal Peoples combined different materials to produce utensils.**

## We can INVESTIGATE!

- I can ask and respond to questions.
- I can make predictions!
- I can measure and record what I observe.
- I can sort information, using drawings, tables and discussion.
- I can compare my observations with my predictions and with others!
- I can share my ideas and observations in groups and with the class.

### WORDS

we will learn and use this term.

material

mixture

combine

properties

dissolve

substance

chemical

thermometer

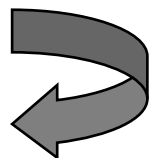
effect

recycle

separate



SCIENCE TERM TWO



## CHEMICAL SCIENCES

Changes to materials can be reversible or irreversible

|   |   |
|---|---|
| 1 | <b>Describe what happens when materials are mixed</b>                               |
| 2 | <b>Investigate the solubility of common materials in water</b>                      |
| 3 | <b>Investigate the change in state caused by heating and cooling of a substance</b> |
| 4 | <b>Investigate irreversible changes such as rusting, burning and cooking</b>        |
| 5 | <b>Explore how reversible changes can be used to recycle materials</b>              |
| 6 | <b>Investigate reversible reactions such as melting, freezing and evaporating.</b>  |

## We can INVESTIGATE!

- With guidance, I can ask and clarify questions about investigations.
- I can make detailed predictions!
- I can plan and use the elements of an investigation to answer questions and solve problems.
- I know how to be safe in the science room and identify potential risks.
- I can identify the variables that need to be changed and measure for a fair test.
- I can measure and record my observations accurately. I use tables, graphs and I can identify patterns and relationships in data.
- I can compare data with my predictions and develop evidence.
- I can reflect on an investigation, and suggest improvements to be made.
- I can share my ideas and processes using scientific representations.

### WORDS

we will learn and use this term.

soluble      solute      dissolve      mixture  
substance      reversible      chemical change  
physical change      matter      irreversible  
combustion      reaction      product  
rust      material      separate      solution  
saturation      evaporate      condense