

Chemistry 2

Science

Statement Code no: 8

Student:

Class:

At Junior Certificate level the student can:

Understand some of the key principles of the chemistry of air and water

Date Commenced: / /

Date Awarded: / /

Learning Targets - This has been demonstrated by your ability to:

- | | |
|--|--|
| 1 Understand that air is a mixture of gases and show some knowledge of it's make-up | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 2 Demonstrate and describe what happens when (i) a wooden splint and (ii) a piece of magnesium are burned in air | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 3 Investigate the ability of oxygen to support combustion | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 4 Describe how a sample of oxygen is prepared, naming chemicals and apparatus used | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 5 Describe how a sample of carbon dioxide is prepared, naming chemicals and apparatus used | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 6 Carry out simple tests to show the presence of carbon dioxide using limewater or candles | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 7 Test a sample of water for hardness | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 8 Test a sample to show the presence of dissolved substances in water | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 9 Draw the water cycle and describe the key stages in the treatment of water to make it suitable for drinking | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 10 Carry out an experiment to show that oxygen and water are required for rusting | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |

Refer also to: Art, Home Economics, Personal and Social Development, Physical Education.

Work begun | Work in progress | Work completed