

|                             |  |
|-----------------------------|--|
| <b>Unit Title:</b>          | <b>Awareness of Scientific Methods</b> |
| <b>Level:</b>               | <b>Two</b>                             |
| <b>Credit Value:</b>        | <b>3</b>                               |
| <b>GLH:</b>                 |  |
| <b>NOCN Unit Code:</b>      | <b>RA2/2/TE/004</b>                    |
| <b>QCA Unit Reference</b>   |  |
| <b>Grading Descriptors:</b> | <b>Not Applicable</b>                  |

This unit has 5 learning outcomes.

| <b>LEARNING OUTCOMES</b>  | <b>ASSESSMENT CRITERIA</b>   |
|---|--|
| <b>The learner will:</b>  | <b>The learner can:</b>  |
| 1. Demonstrate an appreciation for safe methods within the laboratory situation                               | 1.1. Use apparatus completely and safely at all times<br>1.2. Show due regard for the safe handling of materials<br>1.3. Carry out experimental work in a methodical and organised way   |
| 2. Demonstrate an awareness of the chemical, physical and biological properties of a given substance eg Water | 2.1. Relate information in the chemical, physical and biological properties of a given substance eg Water<br>2.2. Describe basic scientific principles in relation to living organisms and the environment - eg The Water Cycle, Water Pollution and The Rusting of Metal<br>2.3. Use scientific principles to explain specific observations |
| 3. Recognise the difference between fact and opinion  | 3.1. Select information on a given topic from various sources<br>3.2. Demonstrate the skills of observation, experimentation, processing and interpretation of data and evidence and formulate generalisations   |
| 4. Recognise different techniques used for the expression of data   | 4.1. Use graphs, tables and equations in the presentation of data  |
| 5. Reflect upon their own learning skills and processes   | 5.1. Recall given knowledge and apply theory in the practical situation<br>5.2. Provide information for and contribute to discussion (both orally and in writing)  |

|                             |  |
|-----------------------------|--|
| <b>Unit Title:</b>          | <b>Awareness of Scientific Methods</b> |
| <b>Level:</b>               | <b>Two</b>                             |
| <b>Credit Value:</b>        | <b>3</b>                               |
| <b>GLH:</b>                 |  |
| <b>NOCN Unit Code:</b>      | <b>RA2/2/TE/004</b>                    |
| <b>QCA Unit Reference</b>   |  |
| <b>Grading Descriptors:</b> | <b>Not Applicable</b>                  |

|                             |  |
|-----------------------------|--|
| <b>Unit Title:</b>          | <b>Awareness of Scientific Methods</b> |
| <b>Level:</b>               | <b>Two</b>                             |
| <b>Credit Value:</b>        | <b>3</b>                               |
| <b>GLH:</b>                 |  |
| <b>NOCN Unit Code:</b>      | <b>RA2/2/TE/004</b>                    |
| <b>QCA Unit Reference</b>   |  |
| <b>Grading Descriptors:</b> | <b>Not Applicable</b>                  |

### ASSESSMENT INFORMATION

#### Guidance:

This grid gives details of the assessment activities to be used with the unit attached. Please refer to the NOCN Handbook for definitions of each activity and the expectations for assessment practice and evidence for moderation.

**The assessment activities for this unit are indicated in the table below:**

**Key: P = Prescribed** – this assessment method *must* be used to assess the unit.

**O = Optional** – this assessment method *could* be used to assess the unit.

|  |  |                                |  |
|--|--|--------------------------------|--|
| <b>Case study</b>                              |  | <b>Project</b>                 |  |
| <b>Written question &amp; answer/test/exam</b> |  | <b>Role play/simulation</b>    |  |
| <b>Essay</b>                                   |  | <b>Practical demonstration</b> |  |
| <b>Report</b>                                  |  | <b>Group discussion</b>        |  |
| <b>Oral question and answer</b>                |  | <b>Performance/exhibition</b>  |  |
| <b>Written description</b>                     |  | <b>Production of artefact</b>  |  |
| <b>Reflective log / diary</b>                  |  | <b>Practice file</b>           |  |

#### Signposting Key Skills

This unit offers clear opportunities for learners to provide evidence of achievement in Key Skills achievement in the following skill area/s:

|                        |  |  |  |
|------------------------|--|--|--|
| <b>Key Skill</b>       |  | <b>Wider Key Skill</b>                 |  |
| Communication          |  | Working with others                    |  |
| Information Technology |  | Problem solving                        |  |
| Application of Number  |  | Improving Own Learning and Performance |  |

**Unit Title:**  
**Level:**  
**Credit Value:**  
**GLH:**  
**NOCN Unit Code:**  
**QCA Unit Reference Code:**  
**Accredited Start date:**  
**Accredited End date:**  
**Unit Sector/Subject area:**  
**Grading descriptors:**  
**Availability for Use:**

|   |                  |
|---|------------------|
| <b>Purpose and Aim of the Unit</b>                                      | Free Text        |
| <b>Restrictions on the Availability</b>                                 | Free Text or N/A |
| <b>Additional Assessment Requirements</b>                               | Free Text or N/A |
| <b>Details of relationship between the Unit and the NOS</b>             | Free Text or N/A |
| <b>Details of relationship between the Unit and Standards (not NOS)</b> | Free Text or N/A |
| <b>Endorsement of the Unit by</b>                                       | Free Text or N/A |