



Cycle Maintenance (National 3)

SCQF: level 3 (6 SCQF credit points)

Unit code: H7KY 43

Unit outline

The general aim of this Unit is to enable the learner to develop the skills and knowledge to identify both routine and non-routine maintenance or repair tasks required on a cycle. The learner will be required to develop and use a systematic method of checking the cycle to assist in the identification of faults. The learner needs to make a decision on whether it is safe to use the cycle, after the safety check, or if it needs immediate attention before use. The learner will also carry out a range of both routine and non-routine maintenance or repair tasks to ensure the cycle is well maintained and safe to use.

Learners who complete this Unit will be able to:

- 1 Carry out a cycle safety check and identify faults.
- 2 Carry out a range of routine maintenance and repair tasks on a cycle.
- 3 Carry out a range of less frequent and specialised maintenance and repair tasks on a cycle.

This Unit is available as a free-standing Unit. The Unit Specification should be read in conjunction with the *Unit Support Notes*, which provide advice and guidance on delivery, assessment approaches and development of skills for learning, skills for life and skills for work.

Recommended entry

Entry to this Unit is at the discretion of the centre. However, learners would normally be expected to have attained the skills, knowledge and understanding required by the following or equivalent qualifications and/or experience:

- ◆ National 2 Cycling Award
- ◆ National 2 Cycle Safety & Maintenance Unit.
- ◆ National 2 Cycling Safely Unit.

Equality and inclusion

This Unit Specification has been designed to ensure that there are no unnecessary barriers to learning or assessment. The individual needs of learners should be taken into account when planning learning experiences, selecting assessment methods or considering alternative evidence. For further information, please refer to the *Unit Support Notes*.

Standards

Outcomes and assessment standards

Outcome 1

The learner will:

1 Carry out a cycle safety check and identify faults by:

- 1.1 Identifying the components to be included in this safety check
- 1.2 Identifying the tasks to be carried out for the safety check
- 1.3 Identifying any faults
- 1.4 Making an appropriate judgement about whether the cycle is safe to use

Outcome 2

The learner will:

2 Carry out a range of routine maintenance and repair tasks on a cycle by:

- 2.1 Identifying the tasks required
- 2.2 Choosing tools/equipment/materials appropriate to the task
- 2.3 Using selected tools/equipment/materials to carry out the task
- 2.4 Using tools/equipment/materials in accordance with safe working practices appropriate to the environment and task

Outcome 3

The learner will:

3 Carry out a range of non-routine maintenance and specialised repair tasks on a cycle by:

- 3.1 Identifying the tasks required
- 3.2 Choosing tools/equipment/materials appropriate to the task
- 3.3 Using selected tools/equipment/materials to carry out the task
- 3.4 Using tools/equipment/materials in accordance with safe working practices appropriate to the environment and task

Evidence Requirements for the Unit

Assessors should use their professional judgement, subject knowledge and experience, and understanding of their learners, to determine the most appropriate ways to generate evidence and the conditions and contexts in which they are used.

Evidence may be presented for individual Outcomes or it may be gathered for the Unit as a whole through integrating assessment in one single activity. If the latter approach is used, it must be clear how the evidence covers each Outcome.

Evidence is likely to come from assessor observation of learners' participation in practical activities associated with carrying out:

Outcome 1

A cycle safety check, including identifying faults and stating how these might be rectified. The learner is also required to make an appropriate judgement on the safety of the cycle based on the results of the safety check.

Outcome 2

To be able to carry out routine maintenance and repair tasks on a cycle. This includes identifying the maintenance and/or repair tasks required and selecting and using tools/equipment/materials appropriate to the task.

Outcome 3

To be able to carry out a range of less frequent maintenance and specialised repair tasks on a cycle. This includes identifying the maintenance and repair tasks required and selecting and using tools/equipment/materials appropriate to the task.

Evidence is also required of the learner's ability to follow instructions to ensure safe working practices appropriate to the working environment and the task.

It is expected that learners will receive a level of support to achieve the Outcomes of this Unit.

Evidence may take a variety of formats, such as observation checklists, written, oral or pictorial, and may be gathered using the learner's usual means of communication.

Advice and guidance on possible approaches to assessment is provided in the *Unit Support Notes*.

Development of skills for learning, skills for life and skills for work

It is expected that learners will develop broad, generic skills through this Unit. The skills that learners will be expected to improve on and develop through the Unit are based on SQA's *Skills Framework: Skills for Learning, Skills for Life and Skills for Work* and drawn from the main skills areas listed below. These must be built into the Unit where there are appropriate opportunities.

1 Listening

- 1.1 Reading
- 1.2 Writing
- 1.3 Listening and Talking

3 Health and Wellbeing

- 3.1 Personal Learning

5 Thinking Skills

- 5.1 Remembering
- 5.2 Understanding
- 5.3 Applying

Amplification of these is given in SQA's *Skills Framework: Skills for Learning, Skills for Life and Skills for Work*. The level of these skills should be at the same SCQF level as the Unit and be consistent with the SCQF level descriptor. Further information on building in skills for learning, skills for life and skills for work is given in the *Unit Support Notes*.

Administrative information

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Superclass: XX

History of changes to National Unit Specification

Version	Description of change	Authorised by	Date

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