
Overview

This standard covers the competence you will need to provide support for scientific or technical learning activities in accordance with approved procedures and practices.

You will be required to demonstrate that you can assist teachers or trainers with scientific or technical learning activities in accordance with workplace procedures.

The activity is likely to be undertaken by someone in a science related work setting, including individuals working in hospitals, scientific laboratories, schools and universities.

Performance criteria

- You must be able to:*
- P1 ensure that your work is carried out in accordance with workplace procedures
 - P2 use safe practices and the appropriate personal protection equipment (PPE) when doing scientific or technical activities
 - P3 adopt appropriate working practices when supporting student activities and performance
 - P4 support teachers or trainers and follow their instructions when monitoring the learner activities
 - P5 instruct the student/learners correctly and clearly on best working practices
 - P6 encourage the students/learners to adopt best working practices when carrying out learning activities
 - P7 monitor the student/learner activities and adhere to procedures and health and safety requirements
 - P8 take the appropriate action to address problems encountered before, during and after learning activities
 - P9 work safely at all times, complying with health and safety, environmental and other relevant regulations and guidelines
 - P10 report problems or concerns from the learning activities to the relevant people
 - P11 communicate the required information about the work done, in accordance with departmental and organisational procedures

Knowledge and understanding

- You need to know and understand:*
- K1 the health and safety requirements of the area in which you are carrying out the scientific or technical activities
 - K2 the implications of not taking account of legislation, regulations, standards and guidelines when conducting scientific or technical activities
 - K3 the scientific or technical techniques and processes you must use correctly in the workplace.
 - K4 the importance of wearing protective clothing, gloves and eye protection for scientific or technical activities
 - K5 the importance of correct identification, and any unique workplace coding system
 - K6 the lines of communication and responsibilities in your department, and their links with the rest of the organisation
 - K7 the limits of your own authority and to whom you should report if you have problems that you cannot resolve
 - K8 what are the basic techniques and knowledge required to help with student/learner learning activities
 - K9 how to promote best scientific or technical working practices amongst student/learners
 - K10 how to encourage learners to ask questions
 - K11 what scientific or technical hazards risks are associated with the learning activities
 - K12 what scientific or technical risks as associated with your own and the learners' activities
 - K13 what is the appropriate action to take with hazards
 - K14 how to deal with spillages, equipment failures and breakages
 - K15 how to identify problems with learners and the student/learner learning activities
 - K16 what are appropriate actions to take in the event of problems before, during and after learning activities
 - K17 when and how to use remedial, supportive and/or prohibitive actions

Scope/range

1. follow instructions from one of the following supervisors:
 - 1.1 supervisor
 - 1.2 team leader
 - 1.3 health and safety officer
 - 1.4 manager
 - 1.5 head of department
 - 1.6 teacher or trainer

2. provide scientific or technical support with all of the following activities:
 - 2.1 timetabled lessons
 - 2.2 other supervised events
 - 2.3 outside activities

3. provide scientific or technical support with all of the following elements:
 - 3.1 equipment
 - 3.2 materials
 - 3.3 techniques
 - 3.4 services (e.g. gas, electricity)
 - 3.5 procedures
 - 3.6 consumables

4. record and communicate details of work done, to the appropriate people, using:
 - 4.1 verbal report plus one method from the following:
 - 4.2 written or type report
 - 4.3 computer-based record
 - 4.4 specific workplace document
 - 4.5 electronic mail

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