
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

COGST1-08

Provide support for scientific or technical learning activities



Developed by	Cogent
Date Approved	28 Feb 2019
Indicative Review Date	28 Feb 2019
Validity	Current
Status	Original
Original URN	COGLATA2-10
Relevant Occupations	Professional Occupations, Science, Science and Mathematics Science, Science Professionals
Suite	Scientific Technology Suite 1
Keywords	laboratory, technical, LATA, provide, support, scientific, gloves, electronic mail, materials, health and safety
