
Overview

This standard covers the skills you need to develop and prepare new methods, resources and equipment for use in new or modified learning activities, in accordance with approved procedures and practices. You will identify and use relevant understanding, methods and skills to initiate and complete tasks and procedures and address problems that, whilst well-defined, may be complex and non-routine. You will exercise autonomy and judgement subject to overall direction or guidance and report any problems with the activities, materials or equipment that you cannot personally resolve.

You will be expected to show you have identified, gathered and used relevant information to inform your actions and identify how effective these have been. You will work under a team leader, whilst taking responsibility for the quality and accuracy of the work that you carry out.

This type of activity requires meticulous planning from start to finish and includes agreement, appropriateness and evaluation of the activity and assessment and cost-effectiveness of all resources required.

Your underpinning knowledge will provide a good understanding of scientific or technical facts, procedures and ideas and to interpret and evaluate the activity.

Who this standard is for

The standard is recommended for all staff, but particularly new recruits and junior employees.

Performance

criteria

- You must be able to:
- P1 ensure that your work is carried out in accordance with workplace procedures
 - P2 confirm that the new or modified method is appropriate and cost effective for the learning activity
 - P3 identify and prepare the resources and/or equipment required and establish the testing requirements for the new or modified learning
 - P4 identify, assess and give advice on the hazards and risks associated with the preparation of the new or modified method
 - P5 test the procedure for the new or modified methods and record the results
 - P6 evaluate and modify the new or modified method in partnership with the relevant people
 - P7 communicate the required information about the work done to authorised people

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 activities
- K2 the techniques and processes you must use correctly in the workplace
- K3 the limits of your own authority and to whom you should report if you have problems that you cannot resolve
- K4 the basic techniques and scientific or similar knowledge required to prepare and test new or modified methods
- K5 what types of scientific or similar methods can be prepared and tested
- K6 what scientific or similar resources are required and available
- K7 when and how to undertake a risk assessment
- K8 how to organise your work according to workplace deadlines
- K9 how to record and evaluate the results of the new or modified scientific or similar method
- K10 how to modify the scientific or similar method, and when this may be required

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Prepare new methods, resources and equipment for learning activities in life sciences and related industries



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