

BTEC Assignment Brief

Qualification	Pearson BTEC Level 3 National Certificate in Applied Science Pearson BTEC Level 3 National Extended Certificate in Applied Science Pearson BTEC Level 3 National Foundation Diploma in Applied Science Pearson BTEC Level 3 National Diploma in Applied Science Pearson BTEC Level 3 National Extended Diploma in Applied Science
Unit number and title	Unit 2: Practical Scientific Procedures and Techniques
Learning aim(s) (For NQF only)	D: Review personal development of scientific skills for laboratory work.
Assignment title	How am I doing?
Assessor	
Issue date	
Hand in deadline	

Vocational Scenario or Context	<p>You are a newly appointed technical assistant at a large chemical plant, <i>Chemcalequip</i>.</p> <p>In order to complete your induction period and progress within the company you have to review and evaluate your performance of the procedures and techniques that you have been involved in using so far (titration, colorimetry, calorimetry and chromatography.) You need to identify the key practical and personal competencies you have shown whilst developing and using these skills. You must evaluate your own performance, interpersonal skills and professional practice. The report you produce will be assessed by a senior technician.</p>
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Task 1	<p>Draw on feedback from peers and teachers and industry to analyse and evaluate the strengths and weaknesses in your performance and skills in relation to your potential for future progression.</p> <p>Produce a report summarising and evaluating your performance and skill development across all the practical work in this unit including</p> <ul style="list-style-type: none"> • drawing on examples of skills developed in colorimetry, titration, calorimetry and chromatography in this unit and how they can be transferred for use in other units. • working to appropriate standards and protocols • applying safe working practices and behaviour • accepting responsibility for the quality of own work
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	<ul style="list-style-type: none"> • taking responsibility for completing tasks and procedures as well as using judgements within defined parameters • communicating and cooperating with others in the workplace • giving and receiving effective feedback on your performance in relation to peers and your future progression goals • behaviour for safe and effective working in science • recognising problems and applying appropriate scientific methods to identify causes and achieve solutions • identifying, organising and using resources effectively to complete tasks • maintaining and enhancing your competence.
Checklist of evidence required	A report which focuses on the evaluation of your performance and skill development across all scientific procedures and techniques carried out in learning aims A, B and C. To evaluate your strengths and weaknesses in each key area you could include photographic or video evidence of your skills, observation reports from your tutor and peer review of your abilities and results in your report.
Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria you must show that you are able to:
D.D4	Evaluate scientific skills developed in terms of potential for future progression.
D.M4	Analyse skills developed and suggest improvements to own practice.
D.P7	Summarise key personal competencies developed in relation to scientific skills undertaken.
Sources of information to support you with this Assignment	http://www.virtlab.com/ http://www.chemguide.co.uk/analysis/chromatography/thinlayer.html#top Above are some examples of websites. Further useful resources may be found at: http://qualifications.pearson.com/en/support/publications-resources.html#step1
Other assessment materials attached to this Assignment Brief	<i>eg, work sheets, risk assessments, case study</i>