Lesson plan

Level 3 Certificate/Extended Certificate in Applied Science

Unit number: 2

Unit name: Applied Experimental Techniques

Assessment or performance outcome: PO2 / PO4

Tutor name:

Group or cohort

Week no. 2

Date

Guidance notes

Make sure all practical equipment is available and sufficient for each learner. Enough risk assessment proformas for each learner.

Length – 2 hour

Resources:

Practical equipment for a making a molar solution and a titration, as per standard procedure

Links to other assessment or performance outcomes:

Unit 1: AO2a - mass number, relative formula mass, AO2c - amount of substance.

Lesson objective

To carry out a risk assessed titration showing appropriate consideration for health and safety. To produce accurate and precise results for the

practical work.

To make precise notations of the results

Activities

Complete risk assessment

Follow standard procedure to produce correct solutions.

Follow standard procedure to titrate the solutions. Record and collate results in a tabular format.

Synoptic assessment

Risk assessments (P10)

Follow standard procedure (P5) Making molar solutions: Unit 1 AO2c

Stretch and challenge activities?

Carrying out practical work with no tutor help. Making calculations as accurately as possible (M5)

Transferable skills and/or soft skills opportunities

Practical work

Health and safety

English and maths Correct scientific spelling Calculations and formulas

Assessment

Portfolio

Lesson Plan Unit 2; Chemistry 1

Level 3 Certificate and extended certificate in Applied Science