

Example working with outcomes and developing performance criteria



COMMONWEALTH *of* LEARNING

Unit 1 Carry measurements and calculations

This is one of the core units of a certificate in furniture making at level 3.

It covers the knowledge and skills needed to accurately complete measurement and calculations of materials needed at work.



Outcome / Competency:

Obtain measurement, perform simple calculations and estimate approximate quantities of materials for a specific job or project at work.

Elements:

1. Obtain measurement
2. Perform simple calculations
3. Estimate approximate quantities



Obtain measurement

Questions to ask to define performance criteria:

- Why are we doing it? - the purpose of the measurement
- What's the right method to do it? – measuring tools, process
- How we measure – measuring, checking, recording
- Are there any standard processes or work procedures to be aware of and follow?



Element 1 - performance criteria

Element

1. Obtain measurement

Performance criteria

1.1. The purpose of obtaining measurements is clarified and confirmed.

1.2 The most appropriate method to obtaining the measurements is selected and applied.

1.3 Accurate measurements are obtained, confirmed and recorded.

1.4 Standard processes and procedures relating to the industry and company operations are recognised and adhered to.

Element 2 - performance criteria

Element

2. Perform simple calculations

Performance criteria

2.1 The purpose of obtaining the calculations is clarified and confirmed.

2.2 The method or formula to achieve the required result is selected and applied.

2.3 Simple calculations involving length, perimeter, mass and volume are carried out.

2.4 The results are confirmed and clarified.



Element 3 - performance criteria

Element

3. Estimate approximate quantities

Performance criteria

3.1 The types of standard unit packages of materials are identified from the work documentation and job specification.

3.2 The dimensions of the job are obtained from work documentation/ plans and drawings.

3.3 Quantities of materials suitable for the work to be undertaken are calculated, confirmed and recorded.

3.4 Materials cost for sample jobs are estimated within a 10% variance.