

Nailing it!

ePortfolios on the Housebuild



Profile

Student
profile

Graduate
profile

- 75% School leaver
- Happy to have
- Kinaesthetic
- Tactile
- Active
- Discovery

• Survey Questionnaire
• Employer's expectations
• Employer supervision
• Practical building activities
• Understand the industry
• Function of a building site
• Safety and productivity



The Journey!

Industry requirements

Theory to Practice

Evidence based practice

Experiential learning

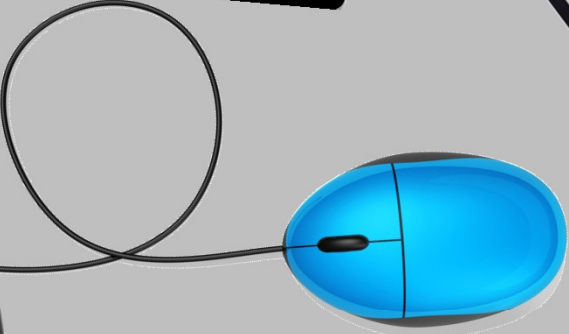
Student engagement

Alternative assessment

Reduce paperwork



E-Portfolio



Learning Management System

BayLearn ▶ Certificate in Carpentry Level 3

Switch role to... Turn editing

Your Support Team

Topic outline



Dennis Keys
Team Leader



Bob Burningham
Tutor



Dirk de Vries
Tutor



Welcome to the Certificate in Carpentry - Level 3: ePortfolios

 [Meet your tutor](#)

 [News forum](#)

This is a record of some of your work and assessments in the Certificate in Carpentry Level 3 at the Bay of Plenty Polytechnic.

You will use a powerpoint template for each course. The instructions and questions are on the first 1-2 slides of the template.

You will add photos and text into your powerpoints from your practical sessions or work experience and save as a record of work that you have done. We will have regular sessions in the computer room to help you to make this as good as possible, but it is still up to you to complete it.

There are some criteria that you must meet and you will be credited with parts of unit standards by meeting the criteria. Each task is only part of the unit standards and there are written theory tests that you must complete to gain credit for the whole unit standards.

Should you choose not to participate in the applied theory sessions or not complete any part of this ePortfolio you will not be eligible to pass the courses.

Remember this is yours, develop it during the course as your own. You may use this as part of your CV when applying for an apprenticeship in the future.

 [Instructions for working on your DRAFT eportfolio](#)

In this area you'll find information about the course: expectations and assignments.

 [Course outline - or timetable, description of topics, etc.](#)

PLACING PILES INTO CONCRETE



We first measured out and marked where to dig our holes then we dug them 200mm deep after that we mixed our concrete with 12 shovels of builders mix, 2 shovels of cement and $\frac{3}{4}$ of a bucket of water then tipped it into the hole. We then placed the pile in at 100mm deep then put our spirit level on 2 sides of the piles to make them plumb. We centred the piles at 1650mm max apart.

CUTTING THE PILE OFF TO HEIGHT



We cut our piles off at 400mm below F.F.L (finished floor level). We found the pile height by minimising the bearer height to 190mm, then the joist height 190mm then allowed 20mm for the flooring height which gave us 400mm below F.F.L.

Marking Schedule

Demonstrate Knowledge of Construction of Pile Foundations Unit Standard 24380				
PC	Photo Number	Practical Instruction / Question	PC	Judgement Statement
1.3	1) Photo of placing a pile into wet concrete and plumbing up with level to string line 2) Cutting a pile off to height	<ul style="list-style-type: none"> Describe the steps you took to set a pile up in wet concrete. What centres did you set your piles at? How much concrete do you need to have under the pile? What height did you cut the pile off relative to your FFL? How did you get this distance? 	24380/1.3 Placement of piles is described in accordance with NZS 3604:2011 or specific design. Range: line, level and plumb, height, centres, requirements of subfloor bracing schedule.	Must contain reference to: <ul style="list-style-type: none"> Setting up piles to a line Plumbing pile with level 1650 centres max Concrete 100 mm under pile Must contain reference to: <ul style="list-style-type: none"> Deduction calculated by adding up floor thickness, joist width, bearer width, then measuring down from FFL stringline.
2.1 2.2	3) Bearer sitting on a row of piles	<ul style="list-style-type: none"> Describe the steps you took to make up the bearer and then fix it to the pile. What is the main function of a bearer? What are the requirements for bearers? (NZS HB 3604: 2011 see pgs 2-29) 	24380/2.1 The purpose and requirements of bearers and stringers are described in accordance with NZS 3604:2011 or specific design. 24380/2.2 The methods of installing bearers and stringers are described in accordance with NZS 3604: 2011 or specific design.	Must contain reference to: <ul style="list-style-type: none"> Nail lamination of bearer Any crooks in bearer to be facing up Bearers run across the piles to support the joists. NZS HB 3604: 2011 <ul style="list-style-type: none"> Bearers of solid or nail laminated timber shall be continuous over 2 or more spans and be laid in straight lines on edge.

Resources

Carpentry Tools Assessment Pt 3

Handtools 3

Question 11 of 18

Point Value: 10

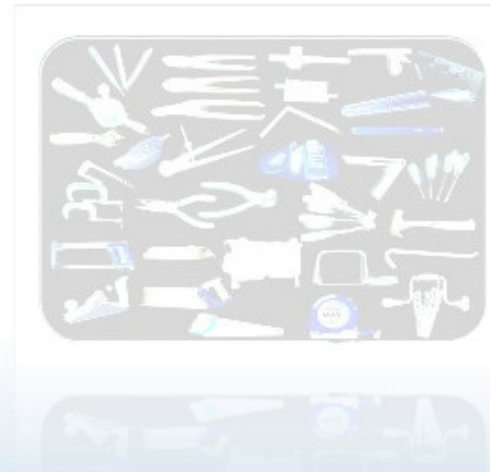
What is the appropriate angle for grinding a chisel?

20 degrees

45 degrees

15 degrees

25 degrees



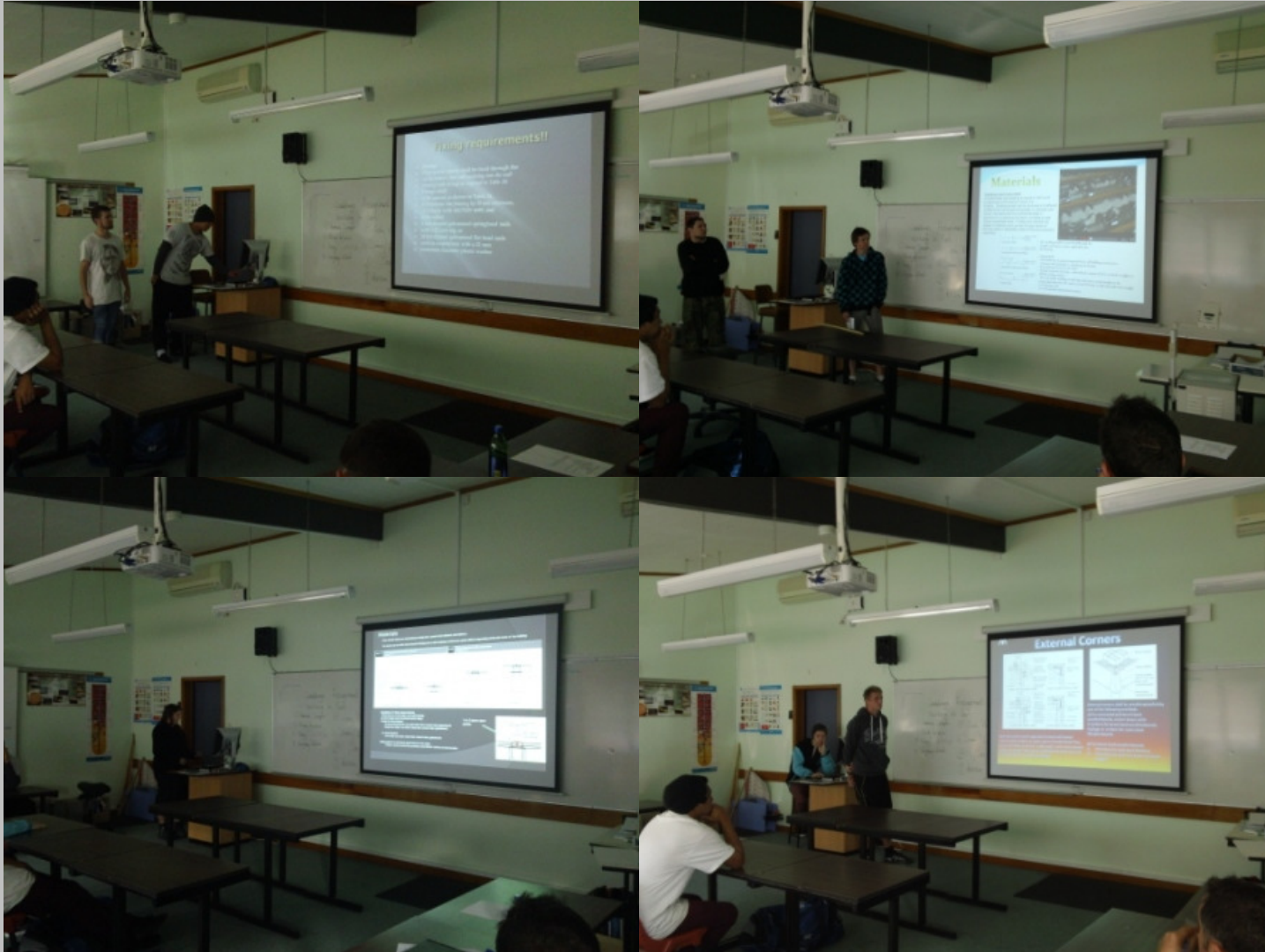
SUBMIT ALL

PREV

NEXT



Assessment Evidence





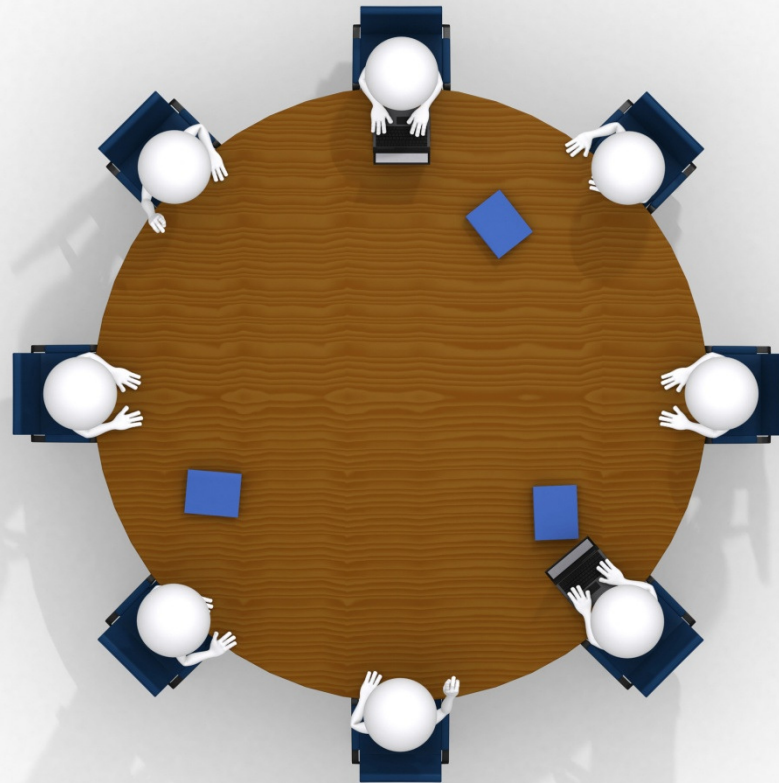
ACTION

RESEARCH

The Team

Teaching Team:
Dennis
Bob
Dirk

Research Team:
Gloria
Brian



Student Support:
Christine
Clare

Technology Team:
Julie
Leon

ANALYSIS









Student Feedback







View All Responses. All participants. Responses: 34

ePortfolio Student Feedback

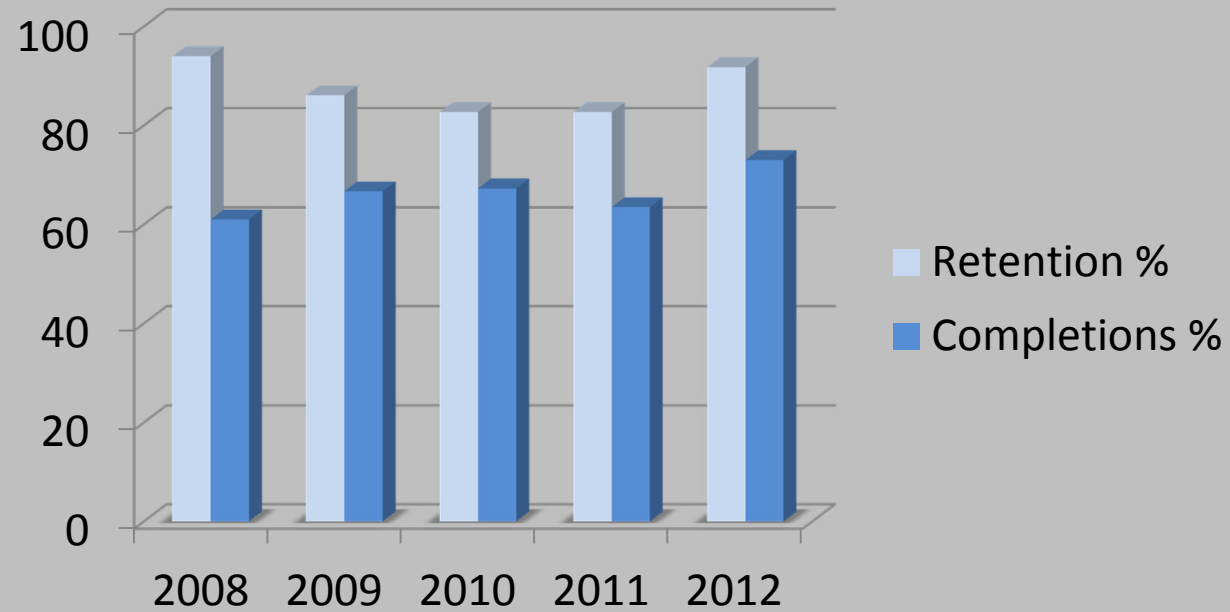
1. I have enjoyed using a eportfolio to provide evidence of my practical learning.

Response	Average	Total
strongly agree	 29%	10
agree	 53%	18
undecided	 12%	4
disagree	 3%	1
strongly disagree	 3%	1
Total	 100%	34/34

2. I have found creating an eportfolio easy to do.

Response	Average	Total
strongly agree	 32%	11
agree	 53%	18
undecided	 6%	2
disagree	 6%	2
strongly disagree	 3%	1
Total	 100%	34/34

The Data



2011
July intake
Impact on
2012 results

2012
e-Portfolios

C01 2012
completions
93.3%

C02 2012
completions
87.5%

