



Introduction

Learners will benefit from a learning style that is explicit, experiential, scaffolded, co-operative and reflective. They will benefit wherever we can unpack 'whitefella ways' to give them the tools they will need to see what is happening at the deeper level of western culture. Learners will benefit from being told the reason (beyond the obvious) why they are learning this content in this way and why they are required to talk or push themselves in ways that may be challenging. In short, they will benefit wherever we can share the purpose for learning.

Please refer to the **Overview Teacher Guide** for an introduction in how to approach the concept of "skill mastery" and provide you with definitions of mastery levels the videos present. This can be found in the introduction section of the *Skill Mastery website*.

Learning intentions

What do we want students to learn?

After viewing this video and working through activities students will gain an understanding of:

- ongoing learning in the workplace
- improving skills in the workplace
- the benefits of skill mastery i.e. improve employment prospects, career progression

Success criteria

After viewing this video and working through activities students will be able to identify how to grow expertise and distinguish the difference in skills between a:

- Apprentice Carpenter;
- Site Supervisor; and
- Project Manager.



Before viewing the Building Construction Skill Mastery video, get students to consider the three different roles in the building construction pathway context from their own perspective: Tapping into prior knowledge, start with the what the students know and make links wherever possible.

- What do the students already know about the building construction industry?
- Do they know someone else who works in construction and what stories have they heard?
- What is the reason (beyond the obvious) they are learning this content?
- What do they expect to find out?
- What do the three levels outlined above mean to them in their industry?



Build vocabulary: Use a Word List – either before starting a topic or as you go (refer to table below and glossary supplied)



Prompting questions and general vocabulary to start:

Expertise Development and Career Progression		
General Building Construction Questions	Vocabulary	
what do they do / make / sell? Who is the beginner, intermediate, master? How can you tell? What are the levels called? Are there any words you don't know? Write them down.		











ACTIVITY - draw a line to match the screen captures of each person to their appropriate rank on the mastery scale below.







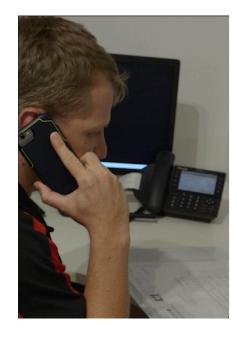
Apprentice Carpenter



3 Site Supervisor



Project Manager





























VIEW - watch sections of the video and ask question before, during or after

Section	ROLES	WORK	WORK WORK
Questions	 What kinds of places are there to work in in this industry? What other qualifications do the apprentices have? What 'cards' are needed? What does the Site Supervisor do? What is the Project Manager responsible for? How are the skills different? What do they spend much of their time doing? What kind of roles and responsibility would you prefer to have and why? What is a critical part of the work in construction and why? What is the chain of command in this work place? 	 What does a regular working day involve? What happens during these hours for each person? What administration or daily duties need to be done? What do you think of the hours they work? Could you do it? Why/Why not? How many days per week would you prefer? What does the roster do? How many weeks at a time would you prefer? How would that change your daily or weekly life? How would conditions affect your job? What's important about punctuality? What are the impacts of your time keeping on others in this job? What needs to be in a written report? 	 What is important about showing up every day? What's a daily challenge for construction employees in the top end or central Australia? What helps you get tasks done in this job? What kind of attitude and skills do you think you might need to work in construction? What learning happens in school or on site in construction? How does team work help? What does that involve sometimes? What helps the supervisors and project managers do their job and stay up to date?
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Questions	 What kinds of PPE do you need? What kind of safety challenges would you face in this job and how can you get help? What site rules to you need to follow? What is a pre start check? When is a daily inspection done? What is a JSA and who needs to do them? What does the Project Manager and Supervisor need to think about when dealing with policies and procedures? Why is this important? What differs between states and seasons? What is an example of a site rule? Who is ultimately responsible for safety? 	 What are the challenges to top end construction? How do they workers deal with those challenges? Who had the most relatable advice and why do you think you understand it well? What learning opportunities are enjoyable in this job? Why is communication important in the workplace? What kinds of construction job roles are there? When are new skills taught on site? What does the Engineer know that he needs to communicate with the site supervisor? 	 What streams can you work up through in the construction industry? How could they progress on to the next level or get better at what they do? How could you work towards becoming a registered builder? What kinds of experiences in different job situations can you do with a qualification? What different kinds of construction pathways are there? What would be your ideal construction job?















look up industry words.



administration	the process or activity of running a business; the record keeping required to keep track of the business activities	
Australian Standards	codes, rules and regulations which add to the safety, efficiency and cost-effectiveness of building in Australia	
award	a construction project is awarded when the construction company 'wins' the contract. This point in time is referred to as 'award'.	
Bachelor of Civil Engineering	a four-year university undergraduate degree that teaches you about construction project planning, design and management	
briefing	short meeting to discuss updates to a plan or project	
client	a paying customer of a business; a person or group of people that contract a construction company to build for them.	
conception	beginning of a project concept; the very start of a design for a construction plan	
Joiner	a woodworker, or an employee in the construction industry whose special skills involve using timber or metal composites to build	
legislation	a law that has been enacted by the government; construction legislation would regulate what kinds of building rules construction companies re subject to.	
liaising	corresponding and communicating with different people or clients	
milestones	points in a project's progress at which different phases or stages are completed, and are usually paid for in increments as each milestone is finalised	
personnel	employees	
policies	a deliberate system of principles to guide decisions and achieve rational outcomes; a construction site or company's policy might include a safe work policy and include all the OH&S rules used on the site.	
procedures	processes that are formalised in a company's management that govern how business is done so that there are uniform ways of doing things. Codes of practice usually include procedures, such as OH&S or record keeping.	
scaffold	a temporary structure used around a building as it is erected or repaired for construction personnel to work on	
shut downs	work site closures (due to inclement weather or temporary suspension of business)	
sub-contractors	a person who is hired by a general contractor (or prime contractor, or main contractor) to perform a specific task as part of the overall project and is normally paid for services provided to the project by the originating general contractor. A tiler or a plumber may be hired by a construction company to complete part of the work on a building.	
stakeholders	a person with an interest or concern in something, especially a business. (Clients, investors, purchasers, customers, residents of a community in which construction is happening)	
toolbox meetings	daily meetings on a site to discuss procedures and hazards requiring attention	















Check out this set of lessons in PreVET all about building and construction here:

http://resources.prevet.net.au/m4c/m4c-magazine/



Where would you find the building codes for cyclone-proof construction of a house?

https://hia.com.au/Shop.aspx?Region=NT



How many volumes and versions of the National Construction Code can you find? What does each do?

http://www.australia.gov.au/information-and-services/business-and-industry/building-and-construction-industry

Why do you think plumbing has its own volume?

 $\underline{http://www.abcb.gov.au/Resources/Publications/NCC/NCC-2016-Volume-Three}$



How do you become a Master Builder with this association? What do they do?

http://www.mbant.com.au/





