

# Qualified Carpenter

**Bardie** is a qualified carpenter and site manager who loves problem-solving and working with her hands. After becoming a labourer while studying for a Bachelor of Fine Arts, Bardie discovered a flair for carpentry and decided to pursue an apprenticeship. Find out more:

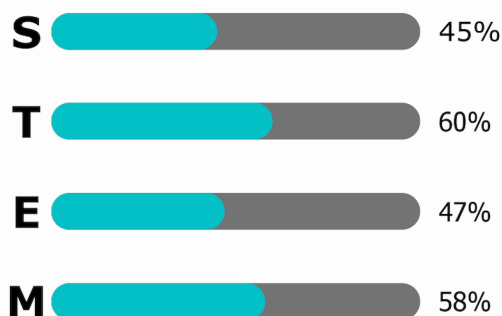
[futureyouaustralia.com.au/pathfinders/bardie](https://futureyouaustralia.com.au/pathfinders/bardie)



*'I want my career to continue to help me work with purpose and intent for those in the industry now, and in the generation to come.'*

## STEM Meter

How much Science, Technology, Engineering and Mathematics (STEM) does this job use?



Source: [jobsandskills.gov.au](https://jobsandskills.gov.au)

## 5 reasons why you should do this job

- 1** You get to build really cool stuff
- 2** Work with all sorts of tools and gadgets
- 3** Solve puzzles
- 4** You get to work outside
- 5** Help others

### 3 STEM skills required for this job

Critical thinking

Mathematics

Problem solving

### Subjects to develop these skills

Science, Mathematics, Digital Technology

Mathematics

Design and Technologies, Digital Technology

## An example of a day in the life of a carpenter

- 5.00am** I greet the morning sun with a sense of purpose, a habit formed from my years as a carpenter. Before I start my day I make a strong cup of coffee and check the weather forecast knowing that even a hint of rain could disrupt our progress at the build site.
- 5.15am** Time for breakfast before I get dressed in my work pants and work shirt – these are long to protect me from splinters and the sun. I grab my steel-capped work boots so my toes are protected if I drop something heavy, and my toolbelt. I LOVE my toolbelt. It carries all my essentials, such as my hammer, tape measure, pencils and more.
- 5.45am** With another coffee in my hand I set off for the build site where I'm part of an exciting project: constructing environmentally friendly duplexes. It's a job that goes beyond carpentry. It's about helping people build their homes in a sustainable way.
- 6.30am** The day begins with the whole team reviewing our project plan and consulting the architectural blueprints. Here, STEM skills come into play. We calculate load-bearing capacities, analyse structural integrity and ensure that the eco-friendly materials we use are both durable and energy-efficient. Carpentry, in this context, is a blend of art and science.
- 10.00am** As the morning progresses, I'm in my element. Once I grab my safety goggles, dust mask and knee pads I get to work measuring, cutting, and assembling wood with precision. Each piece I work on is a contribution to these sustainable homes so I ask some of the more experienced carpenters to check my work. They're always happy to lend a hand and offer some guidance.
- Midday** Tools down on the site and we all take a break. Lunch is fun on the work site. We all get to have a laugh and recharge. I enjoy some leftovers from last night. It's important I eat food that gives me enough energy for the afternoon ahead.
- 1.00pm** It's time to focus on the fine details that make these duplexes environmentally friendly. I support the team with the installation of the energy-efficient windows and use this opportunity to learn more about sustainable materials all while maintaining a keen eye for precision and quality.
- 3.00pm** I help clean up the build site and secure the tools. Safety and organisation are important in construction to minimise waste and maximise efficiency.
- 5.00pm** Time to switch gears. I head to the gym for a workout because being fit is important in my job. A workout routine keeps me fit and also sharpens my problem-solving skills which I apply at work.
- 6.30pm** I meet up with friends for dinner. We share stories, laughter, and I talk about all the incredible things I have been learning about sustainable living. My friends are all ears – the environment is really important to all of us.
- 8.00pm** I get home and do some sketching of design ideas for future sustainable projects. I apply all the knowledge I learnt today at work to help me design innovative and eco-friendly housing solutions. One day I want to have my own business, building sustainable, beautiful homes.
- 9.00pm** I collapse into bed. My body and my mind are both happy, but exhausted and they need some serious rest.