



**MINISTRY OF BUSINESS,  
INNOVATION & EMPLOYMENT**  
HĪKINA WHAKATUTUKI



**NIWA**  
Taihoro Nukurangi



UNIVERSITY  
of  
**OTAGO**  
*Te Whare Wānanga o Ōtago*  
NEW ZEALAND



**Manaaki Whenua**  
Landcare Research



# Carpentries instructor training BoF

**eResearch NZ 2021 | Wellington NZ**

# What is the Carpentries?

“It takes a village to raise a child”

“It takes a village to raise ~~a child~~”  
the capability of New Zealand’s  
researchers



# THE CARPENTRIES

= Our village



The Carpentries is a global  
organisation dedicated to teaching  
foundational coding and data  
management skills to **researchers**

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foundational coding and data  
management skills to **researchers**  
**by running high quality workshops**

# A recipe for running a high quality workshop



## Ingredients:

- Material developed, edited and peer reviewed by a global community,
- Free food (very important), and
- local instructors who are trained in how to create a great learning experience

## Directions:

Mix above ingredients and enjoy



# What happens at Instructor training workshops?

## Day 1 sample:

- building skill with practice
- memory and cognitive load
- teaching is a skill

## Day 2 sample

- practice live coding
- preparing to teach
- how the Carpentries operates

**If you are interested in attending this training in 2021 please email  
[training@nesi.org.nz](mailto:training@nesi.org.nz)**

# You can find the full instructor training material online:

<https://carpentries.github.io/instructor-training/>



## Instructor Training

Over the last hundred years, researchers have discovered an enormous amount about how people learn and how best to teach them. Unfortunately, much of that knowledge has not yet been translated into common classroom practice, especially at the university level.

This two-day class has the following overall goals:

- Introduce you to evidence-based best-practices of teaching.
- Teach you how to create a positive environment for learners at your workshops.
- Provide opportunities for you to practice and build your teaching skills.
- Help you become integrated into the [Carpentries](#) community.
- Prepare you to use these teaching skills in teaching [Carpentries](#) workshops.

Because we have only two days, some things are beyond the scope of this class. We will not be learning:

- How to program in R or Python, use Git or SQL, or any of the other topics taught in Software Carpentry, Data Carpentry, or Library Carpentry workshops.
- How to create your own lessons from scratch (although you will have a good start on the principles behind that sort of work if you are inspired to learn more).

\*Please fill in [the online application form](#) if you wish to take part in this course. Priority is given to participants at our member organizations. We review open applications on a rolling basis, and accepted applicants are invited to join one of our online events.

The class will be hands-on throughout: short lessons will alternate with individual and group practical exercises, including practice teaching sessions. Those who complete the two full days and [some short follow-up exercises online](#) will be certified to teach [Software Carpentry](#), [Data Carpentry](#), and [Library Carpentry](#) workshops.

- All participants in this course are required to abide by our [Code of Conduct](#).
- There are no specific prerequisites for this training, but participants will benefit from having attended a Data Carpentry, Software Carpentry, or Library Carpentry workshop either as

We will now go through the “Preparing to teach”  
lesson from the Carpentries instructor training  
curriculum

[https://pad.carpentries.org/eRNZ21\\_CarpentriesBOF](https://pad.carpentries.org/eRNZ21_CarpentriesBOF)