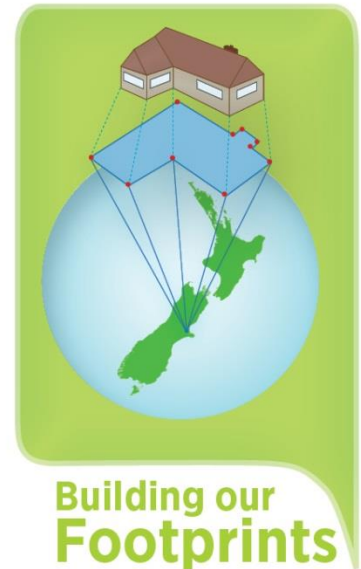


A mapping competition for students

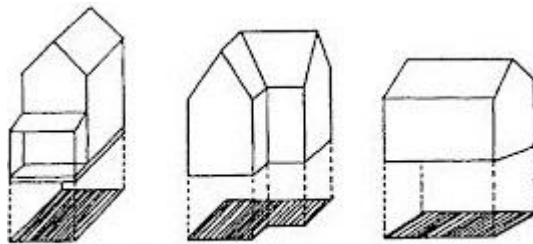
Help the Canterbury rebuild from the comfort of your PC or laptop and be in to win cool stuff for you and your school.



- **Cash prizes for individuals and schools**
- **10 double movie passes**
- **iPad mini**

This guide will show you how to participate.

A building footprint is the shape of a building where it meets the ground, in 2D. It could be as simple as a square or rectangle, or really quite complex.



Footprints of various house shapes

Building footprints are important for managing property information, especially for emergency service responses and disaster recovery.

You can make a building footprint by simply drawing around the image of a building, clicking at the corners, using this site's web mapping tools.

Read on to learn more.



Getting Started

It's easy to start mapping –
this guide will step you through the process

1. Visit <http://canterburymaps.govt.nz/buildingourfootprints>
2. Familiarise yourself with the details of the project, and also read *The Rules*. Be sure to check out the *instruction video*.
3. Register for the site

The screenshot shows a registration form titled 'Register. Create a new account.' with the following fields and values:

Field	Value
Email Address	student@example.com
Password	****
Confirm password	****
School	Lincoln High School
School Year	Year 11
Favourite Subject	Geography
Home Suburb	ROLLESTON

At the bottom of the form is a 'Register' button.

- To register, you need to provide a valid email address, and enter a password unique for this site (ie: not your email password). Email addresses are only used to reset your password if you forget , and to track scores for prizes. You do not need to provide your name.
- You are also required to provide your school, favourite subject, year at school, and the suburb that you live in. These details are used to calculate quality for your contributions, and provides the scoring for the competition. These details are not used to identify participants in any way, and are not used for any purpose other than this competition.



4. Return to the main site page, and click on [Start Mapping](#) to begin contributing data.

A mapping competition for school students!

Help the Canterbury rebuild from the comfort of your PC or laptop, and be in to win PRIZES!

- Cash prizes for schools
- Double movie passes
- iPad mini

A building footprint is a 2D shape of where a building touches the ground. It is an essential part of managing property information, and can be used for many different tasks, including emergency services response and disaster recovery.

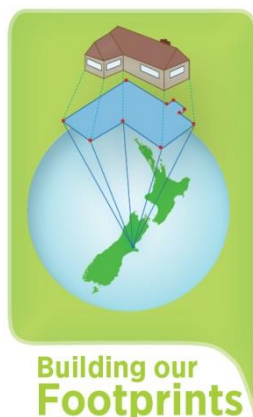
By participating in this project, students will not only compete for a chance to win prizes for their school and themselves, but will also contribute vital information for our property management, and for our emergency response.

To participate, simply sign up and start mapping! And be sure to read the [rules](#) before you start!

Click the button below to start the capture process.

[Start Mapping](#)

- You will be redirected to the map capture page to begin creating footprints.

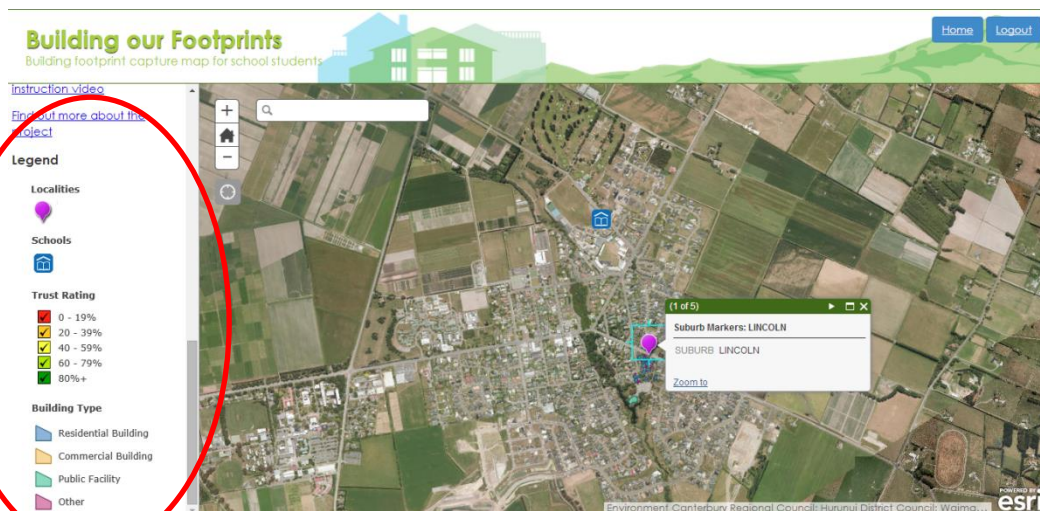


Building our Footprints

5. The map capture page will load, centred on the township of Rolleston. This is because the Selwyn District currently has no building footprints, so it is a good place to start. You can however begin anywhere – simply pan around the map.
6. Instructions for digitising and the tools needed are displayed on the left hand panel of the map.

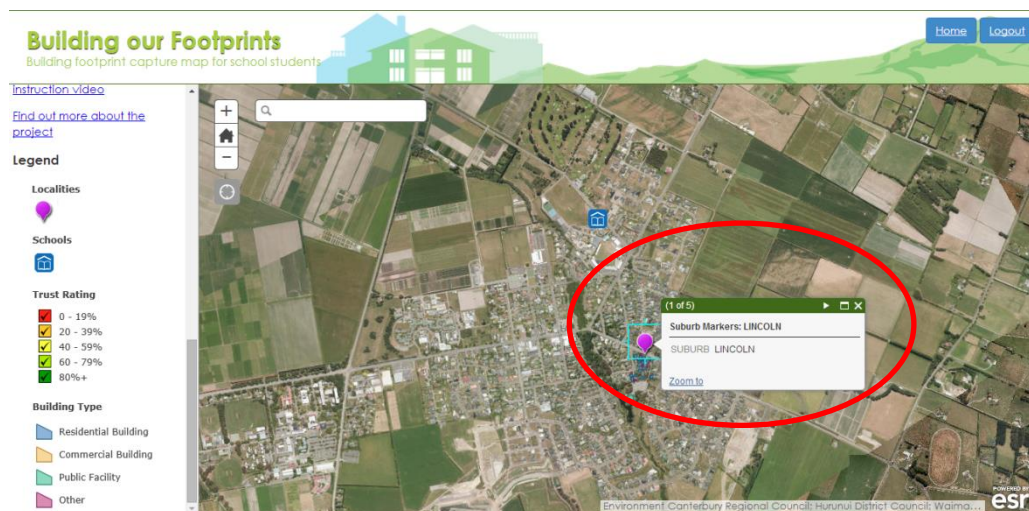


7. At the bottom of the left panel is the Legend used to interpret the map. Scroll down to view this information.

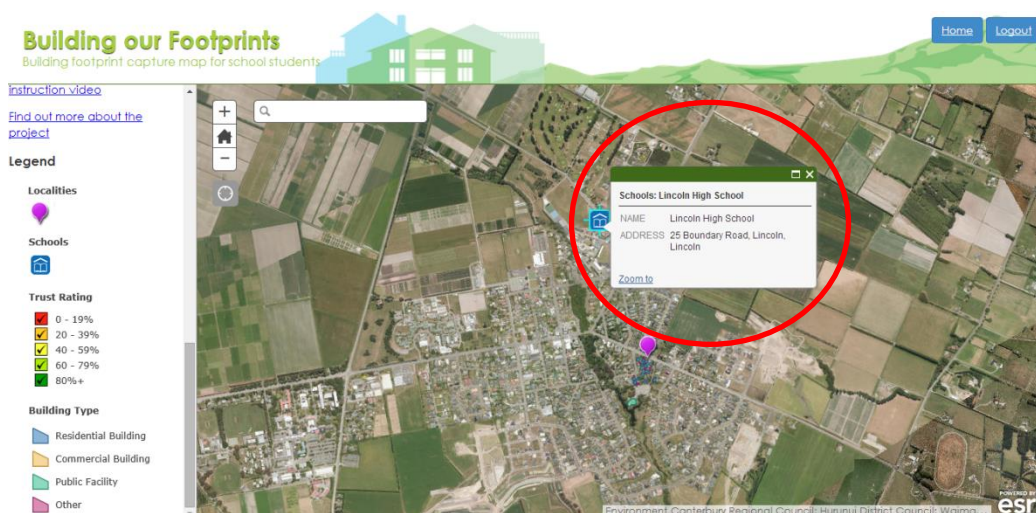


Building our Footprints

- Suburbs are shown as purple markers on the map. Use these to guide you as to where you are looking in the city. If you click on one, its name is displayed in a pop-up box.



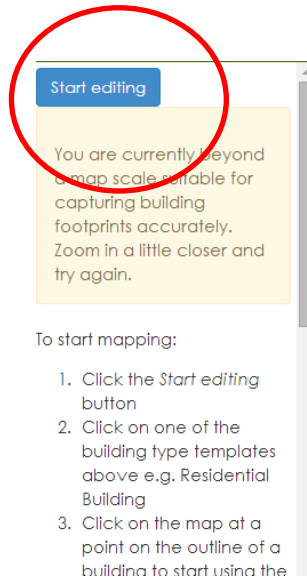
- The locations of schools are shown with a blue icon. You can also click on these to see their details in a pop-up window.



Building our Footprints



10. The mapping tools are located at the top left. Once you have zoomed in far enough, click on “Start Editing”, and the tools will be revealed. Simply click the correct tool to use based on the type of building you are going to draw around. For example, a house would be “residential”, a supermarket would be “commercial”, and a library or school would be a “public facility”. Anything else can be classed as “other”.



11. Once the correct tool has been selected, you can begin clicking on the map to capture a building.

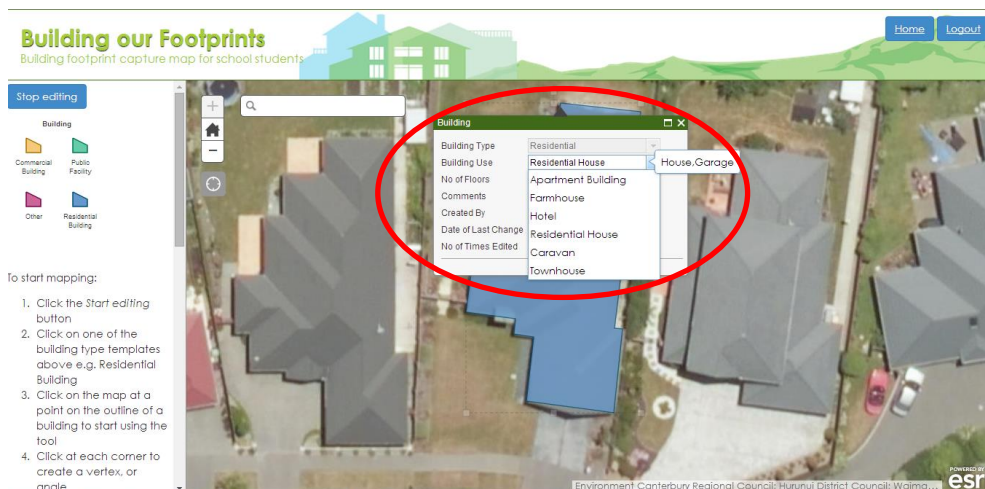


Building our Footprints

12. Click on the map around the outside of the building, paying close attention to the position of each corner. Once you completely click around the outside, double click to finish the shape.



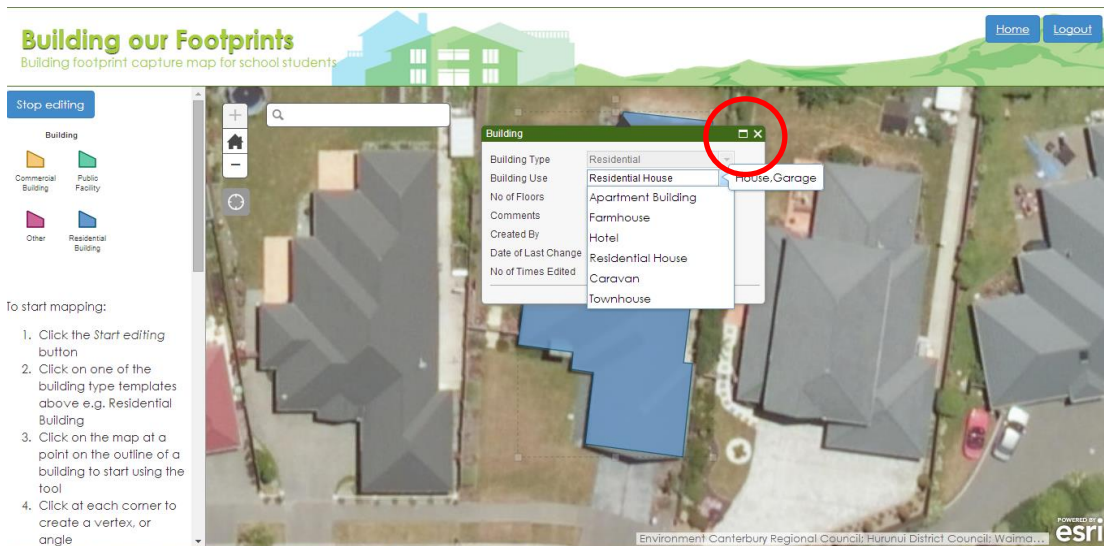
- Be careful to click around the building only – try not to capture decks or the roof of a verandah, as these are not actually a part of the building footprint.
13. Once the shape is complete (after you have double-clicked) an attribute window will pop up, where you can tell us about the details of the building.



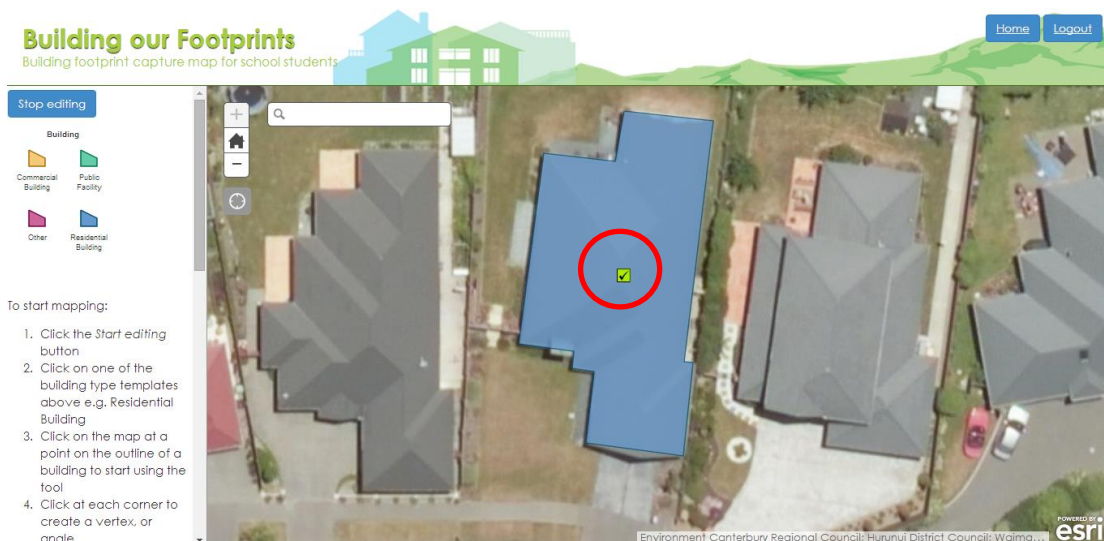
- Select the building use from the dropdown list – is it a house, garage, shed etc.?
- To the best of your knowledge, please also tell us how many floors it is high.

Building our Footprints

14. Once you have entered all of the information that you can, click the X in the corner of the box to close and save the building footprint. You could also simply click outside of the box to save and close as well.

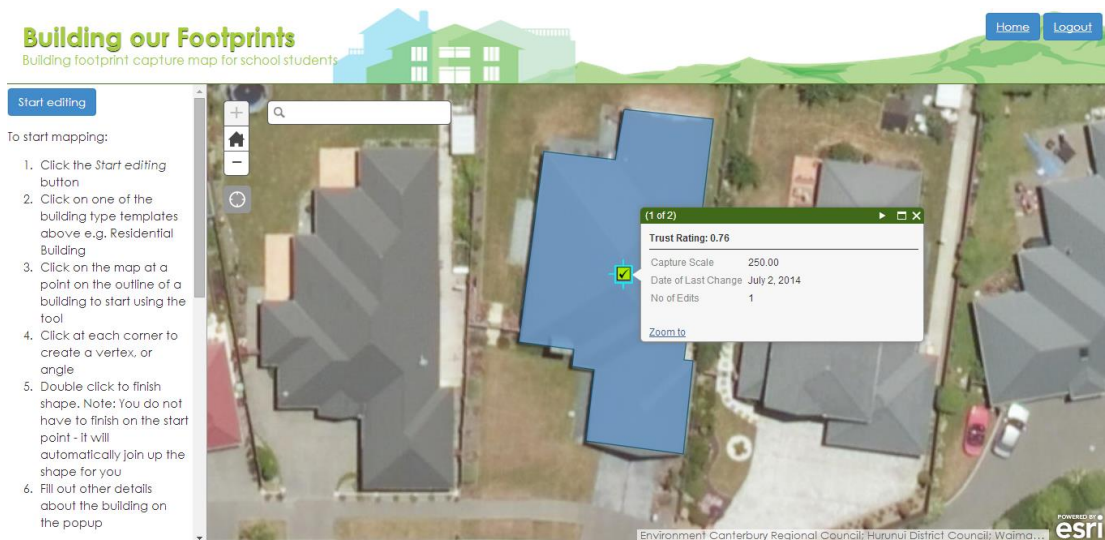


15. Once the footprint has been saved to the database, a process will run on the server, its quality, or : "trust" will be calculated. Once calculated, a tick box will appear in the middle of the footprint, indicating the trust rating of the feature.

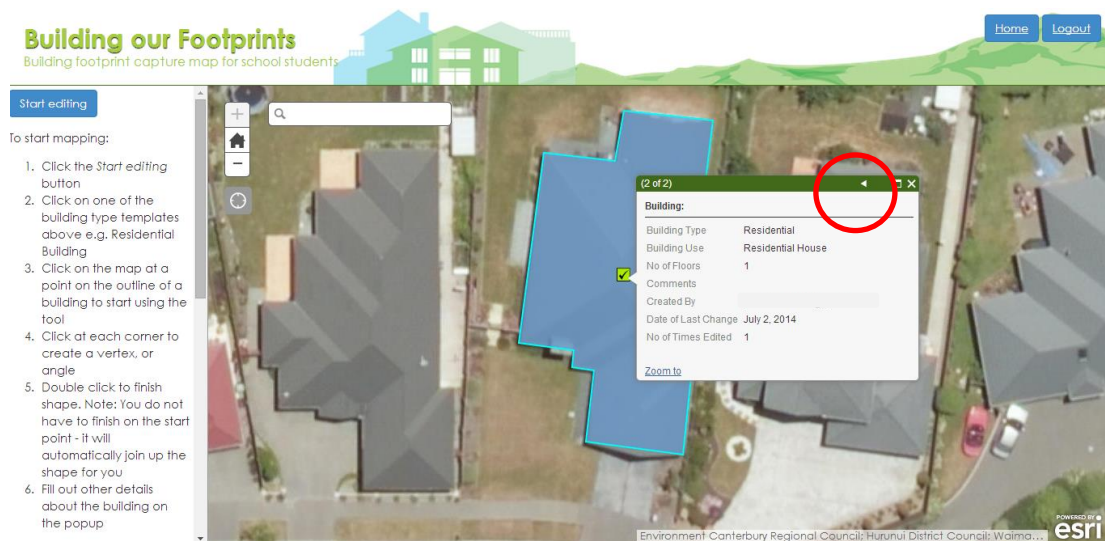


Building our Footprints

16. First click on “Stop Editing” at the top of the left hand panel. Once you are out of editing mode, you can click on the trust rating tick to reveal a pop up with your actual score.



17. You can cycle through the pop-up boxes to see both the trust rating and the information about the building, using the small arrow at the top.



Building our Footprints

18. To successfully count towards your score in the competition, a building footprint must achieve a trust score of 80% or over. You can edit your features after you have already captured them, or you can edit another person's building footprint if it has not yet reached the 80% quality threshold.

To do this, simply click on a building footprint once to highlight it, and a second time to edit the vertices, or nodes. These nodes appear as dark grey points, around the outside of the building polygon, and appear where the angle of the lines change, like at a corner.

You can click and drag each node into a more accurate position. Once you have finished, just click outside of the building polygon to save your edit to the database. The first person to achieve an 80% trust rating will receive the point for that building.



Building our Footprints



19. Each footprint you capture will count towards your school, and the score of your school. You can track progress on the leaderboard, available on the homescreen.

Don't forget to check out the great prizes that are up for grabs!

The Prizes

For Schools.....

- 1st: \$1,000
- 2nd: \$500
- 3rd: \$250

For Individuals.....

- 1st: iPad Mini (\$649 value)
- 2nd: \$200
- 3rd: \$100

Spot Prizes!

There are ten double movie passes up for grabs (\$30 value each) - which will be randomly drawn.

[Return to main page and get mapping!](#)

15. Remember, we are here to help. If you are having any problem, or want to find out more information, please drop us a line at customersupport@linz.govt.nz, or call 0800 ONLINE, and ask about the Canterbury high schools' building footprint project.

