



The Key to YOU – what makes you unique!

Design submission due date: August 29th 2022

Registration Conditions

1. Participants fill the form provided via the [registration link](#) with genuine information. The participant agrees that information on the enrolment form can be forwarded to partners and judges of the contest.
2. WEN reserves the right to refuse an application.
3. Participant must be a student from a New Zealand high school who self-identifies as female.
4. Only one entry per person, and only one person per entry.
5. By registering for the competition, the participant allows WEN to contact the participant via email about matters related to the competition.

Competition Design Process

Document your design process to be uploaded as part of your submission.

1. Brainstorm different things that you think make you unique
2. Do some research for inspiration – make a mood board
3. Sketch some different options of keyring designs you could create
4. Select one of your concepts to implement in CAD
5. Download Fusion 360 (or sign up for TinkerCAD if your device doesn't support Fusion 360)
6. Watch some tutorials to get started
7. Create your keyring in CAD!
8. Export your CAD design (as .f3d/.stl file)
9. Send your submission to wencompetition@gmail.com

Submission

- Your final design as a .f3d or .stl file
- A design workbook (.pdf) with inspiration, concept designs/sketches, and anything else that helped you come up with your final design (max. 5 pages)
- A short description of your final design and its meaning/significance (approx. 150 words)

But I've never used CAD software...

Lucky for you we have some CAD pros here at WEN who are ready to help you out.

First off check out the @wenforschools Instagram and @wen_uoa TikTok where we will be releasing some quick tutorials on different tools and functions in CAD.

Send us a message/email if you have a particular tool you want to know how to use!

Also, there are plenty of video tutorials available on YouTube if you have something really specific in mind.

Prizes

Top submission overall: **3D printer (Creality Ender 3 Pro)**

Runners-up in junior and senior years: \$200 prezzy card each

Second runners-up in junior and senior years: \$100 prezzy card each

Top submissions will have the opportunity to come to the University of Auckland, have a tour of the university and **3D print their own designs** in the University of Auckland's 3D printing lab.

Your submissions will be judged by our panel based on:

Design Process - clearly documenting your work according to the design brief.

Design Quality - completeness, originality, usability and manufacturability.

Significance - how well you convey yourself through your design.

CAD skills shown - how much you have learnt about CAD implementation.

And most importantly – **Creativity!**