

Project Proposal



NZ'S DIGITAL CHALLENGE

DIGITAL
CREST | Senior
Secondary

Complete this form to outline what your project is - who's involved, background thinking, what problem you're solving, and how.

PART A: About the Team

Student Details

STUDENT NAME: Emily Friggs YEAR LEVEL: 13 AGE: 17

E-MAIL ADDRESS: emilygri@pnghs.school.nz

Student Details

STUDENT NAME: Chisomo Kamphambe YEAR LEVEL: 13 AGE: 17

E-MAIL ADDRESS: chisomokam@pnghs.school.nz

Student Details

STUDENT NAME: Jasmine Chen YEAR LEVEL: 13 AGE: 17

E-MAIL ADDRESS: jasmineche@pnghs.school.nz

Student Details

STUDENT NAME: YEAR LEVEL: AGE:

E-MAIL ADDRESS:

Part B: Your Action Plan

Project Title	Connection.png
The aim of this Challenge project is to develop a.....	We intend to develop a website that monitors our connection programme at school
The Action Steps we need to take to achieve our challenge brief:	<p>Planning: For this step we need to do background research (e.g. talking to guidance counsellors). We also need to address ethical concerns.</p> <p>Feedback: Throughout this project we will also need to take steps toward gathering feedback from multiple parties e.g. Form teachers, our mentor.</p> <p>Exploration: We need to explore different avenues for our solution. We also need to explore different layouts, colour palettes etc.</p> <p>Implementation: This step involves the actual programming/creation of our solution. We will need to make sure we have a MVP (minimal viable product) within the timeframe</p>
Constraints (including factors and variables)	In terms of constraints the most significant one is time. We are all busy people so finding time to both meet & work on the project is our biggest limitation. As well as this we also have to consider the realistic limitations surrounding our programming skills and access to admin resources.
Ethics considerations:	keeping students and teachers information private. Make sure any images are used with consent from all parties. More information on Ethical practice doc.
Our key Milestone dates:	<p>Start: 10-06-2024</p> <p>Finish:</p>
Resources likely to be needed and sourced	Internet, teachers, programming resources
Who will be involved? What will their role be?	<p>Emily, Jasmine & Chisomo, Mrs King</p> <p>All roles within group will be divided equally.</p> <p>Mentor</p>
Are there any health and Safety considerations?	We will make sure not to compromise the safety of any year 9 students in this project
Key anticipated issues and how you plan to solve/overcome them	<p>Programming issues</p> <p>We anticipate that we will have key issues in relation to the programming o</p>

PART C: Background Thinking

Answer the following questions about your project as fully as you can.

Question 1

Where did you get the idea for this project?

All members of our group work within the connections programme at our school. When working with this program we noticed a lack of digital resources and an inefficiency in the way this is run. We had conversations with other teachers who had found the same problem. Because of this we identified a need for a digital solution.

Question 2

Explain how your project is a real life problem/need/opportunity.

The peer support program at our school is vital to making incoming year 9's feel safe and welcome within our school environment. It also provides necessary information about our school. Poor planning/communication between leaders and teachers means that year 9's will not get full value out of the program which will affect their experience at school.

Question 3

What is your experience in this topic area?

We are all connections leaders within the project. This means we are responsible for a group of year 9's and run sessions throughout the year. This means we have first hand experience on what it is like to run this program as well as this we also experienced this program in year 9 so we know how vital it is.

Question 4

What part of your project do you think will involve you using creative thinking and problem-solving skills?

We will need to use these skills throughout all parts parts of the project as we will run into a variety of different situations that require problem-solving and creativity. However, the part of the project that will need these skills the most is the design & implementation of our solution. During this step we will need creative thinking to design our solution and think of alternate ways to approach coding problems. Problem-solving skills will be essential as we run into different bugs throughout our coding process, we might also find that a certain component we wish to implement is not possible so we will need this skill to find a way around this.

Question 5

How do you plan to use, and learn from, the expertise of your Mentor?

N/A. No industry mentor

Part D: Teacher and Mentor Approval

Your Teacher (or CodeClub Coordinator)

SCHOOL NAME: Palmerston North Girls High

SCHOOL EMAIL:

TEACHER:

TEACHER'S EMAIL:

I believe this proposal is an acceptable DigiCREST Senior Secondary project and that the project is achievable to an appropriate standard.

Signed: Nicola King

Date: _____

Mentor Details

NAME:

OCCUPATION:

COMPANY:

MOBILE:

EMAIL ADDRESS:

I have discussed this project with the student and believe it to be achievable to an appropriate standard.

Signed: _____

Date: _____

Once uploaded, DigiCREST proposals may be moderated by Royal Society Te Apārangi to ensure they are at a suitable level for the Challenge.