



Minor Challenge Set #1

STEM Field: Software Engineering (Non-Programming)

Level: Junior

Challenge Name: Be Safe Online with Band Runner

Project Cost: 0 USD

Materials Required:

- A device (laptop, phone, or tablet) with internet access

Duration:

- The challenge takes approximately 1-2 hours to finish, however, the time guideline is an estimation only, and students and mentors can complete the tasks around their schedules.
- Parents and teachers are highly encouraged to discuss and reflect on the activity with students.


Introduction:

As we access the internet for our own learning, exploration, and entertainment, it is very important to be aware of our activities online. The internet is a very vast space, and sometimes, you may encounter harmful content. For example, negative messages from online friends, suspicious requests from people you do not know in real life, and more. Therefore, it is important to build an awareness of the types of content you may interact with online, and develop your intuition of what to do when seeing these negative content.

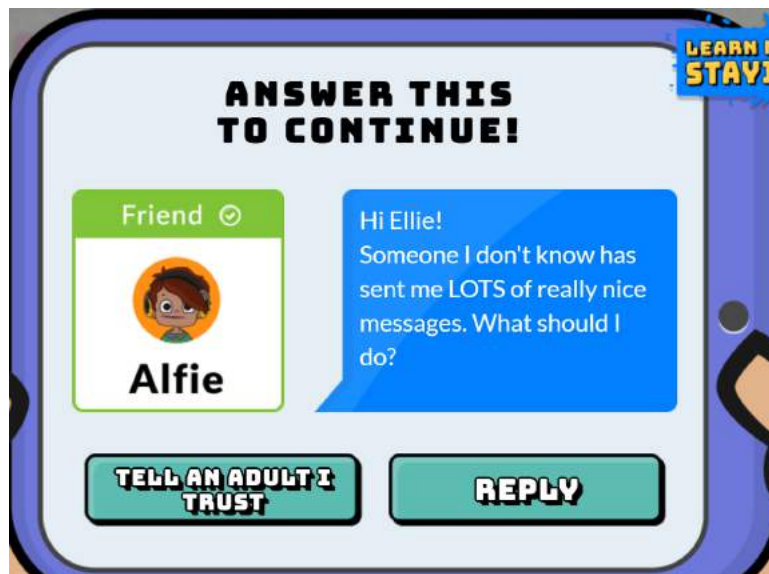
Instructions:

On a laptop, click on the link - https://www.thinkuknow.co.uk/8_10/ to access the Band Runner game.

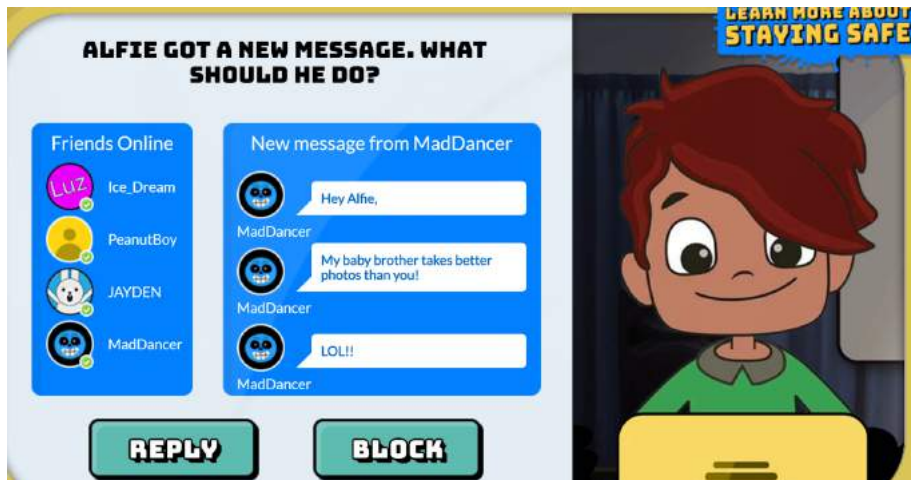
Note: Registration is not required.

Then, click on the  button to get started. Your goal is to jump over obstacles and collect stars to earn as many points as possible. To jump over obstacles, use the up arrow key on your keyboard.

If you fall over an obstacle, a question such as the below figure will appear. You will need to answer the question correctly to proceed with the game.



At the end of each level, a question such as the figure below will appear. You will need to answer the question correctly to proceed with the game.



There are many levels of difficulty. Aim to get as many points as possible, or complete **at least three levels** in this game. When you have completed, take a screenshot such as the figure below to submit later on.



Extension:

Create a step-by-step plan of what you would do if you encounter harmful content online. Consider signs you would look out for to identify if the content is harmful, who you would talk to about the situation, what you would do to refuse upsetting things.

There are many ways to refuse upsetting things online. Some examples are: block or remove the sender, turn off your device, delete things that

people send you, find an adult to report to, and more. Reporting to an adult may not always be easy, so remember you can keep reporting until you find an adult who really helps you.

Reflection Questions:

- Are there any improvements you would make to this challenge?
Was this challenge easier or harder than you expected?
- Based on what you have learnt from the game, can you give 3-5 tips to a friend of similar age as you to help them stay safe online?
You can use this resource to help with writing these tips:
<https://www.esafety.gov.au/kids/i-want-help-with>
- In your opinion, why is it important to be aware and stay safe online?

Submission Guidelines:

- Submit a photo of your completion screen. Include a short summary that addresses the reflection questions.

Note: Remember, if you want to upload pictures of your Minor Challenge that also include you, please check if it is OK with your parent or guardian first.

- The submission form is on the Minor Challenges page:
<https://sciencechallenge.org.au/index.php/minor-challenges/>
Fill out the details and make sure you upload your submission.

Learn More! Resources:

- Learn more how to stay safe online, what to do if someone contacts you online, when to share information online, and more - <https://www.esafety.gov.au/kids/i-want-help-with>

Bibliography:

- *8-10s: CEOP Education* (no date) *8-10s* | *CEOP Education*. CEOP Education. Available at: https://www.thinkuknow.co.uk/8_10/ (Accessed: March 13, 2023).