Future Science Leaders

Presented by Acuitas Therapeutics

Information Session

2023-2024 Program Year





We would like to acknowledge that we are gathered on the traditional unceded territory of the Coast Salish peoples.



Welcome

Jenny McQueen, PhD, jmcqueen@scienceworld.ca

FSL Program Manager

- BSc in Biochemistry, UBC
- Science Co-op &
 Exchange Program
 (University of Adelaide)
- PhD Genetics, UBC





How do we accomplish this?

Meet and learn from professionals in a variety of careers

Create a lifelong network of like-minded peers

Develop the skills critical for a career in science: laboratory skills and science communication

Collaborate with others through scientific projects

Learn to think critically in a scientific context

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Application process





Actions and Deadlines

Early Bird Applications (March 15) Science World Day Out

Application Deadline (May 1)

Written applications reviewed (~May 5)

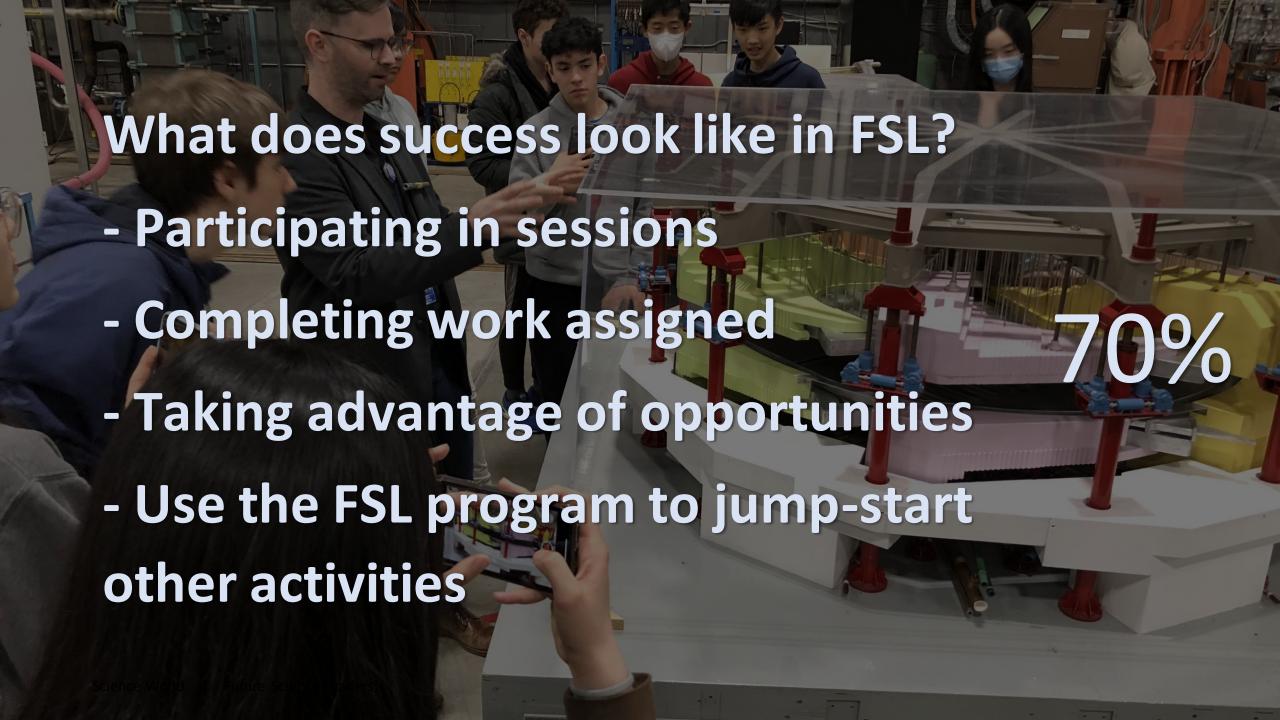
Interviews (~May 15-June 2)

Final Selection (~June 9)

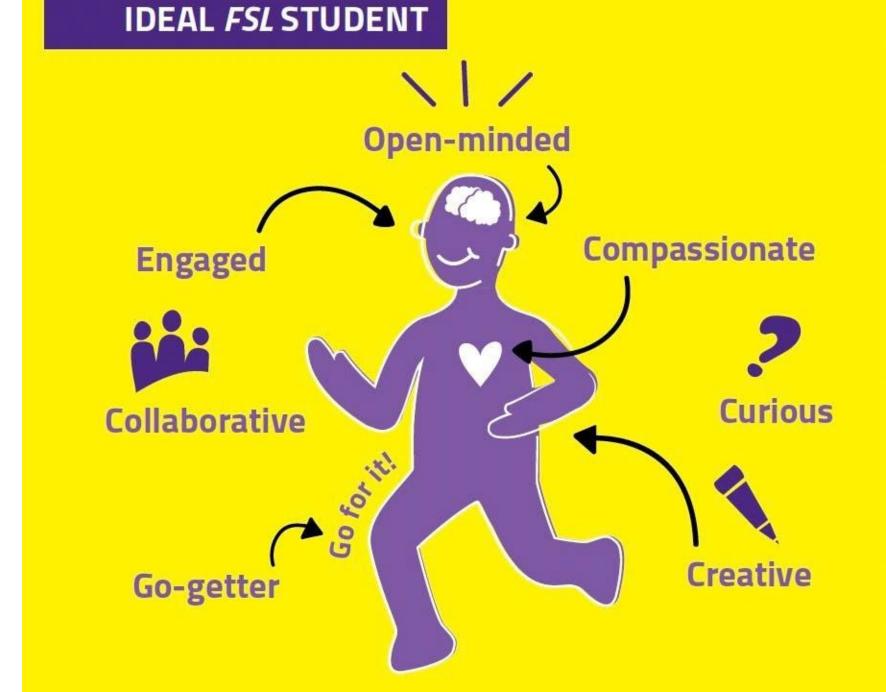
Registration (June 30)

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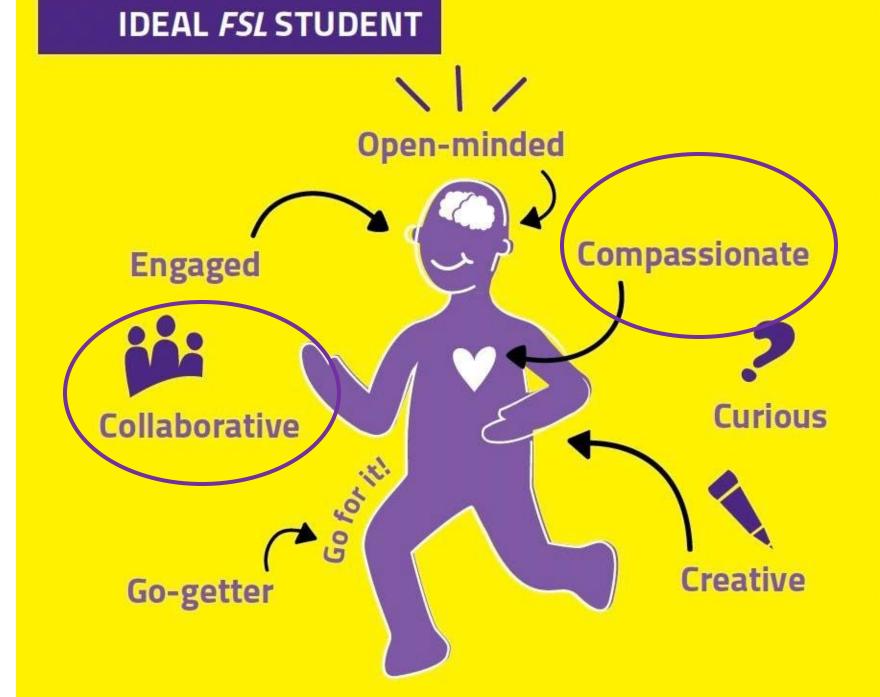


What qualities do successful students have?



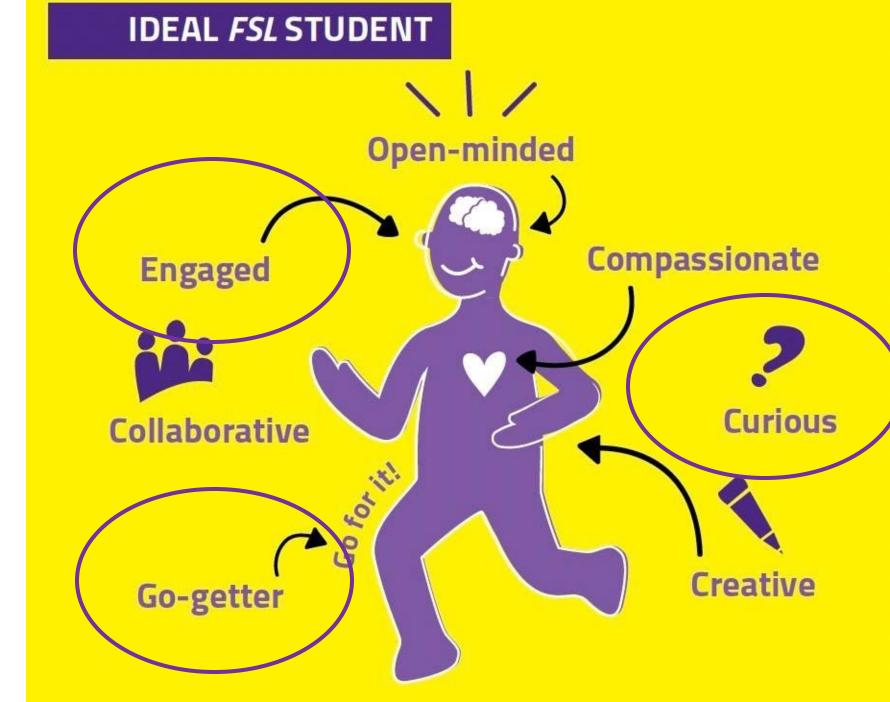
Why these qualities?

Team Player



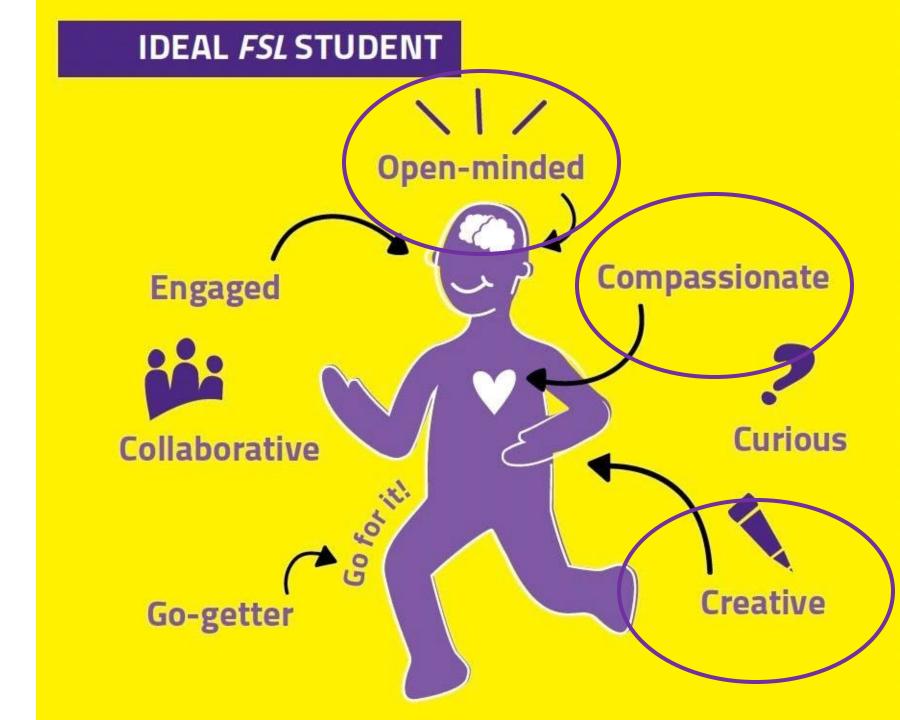
Why these qualities?

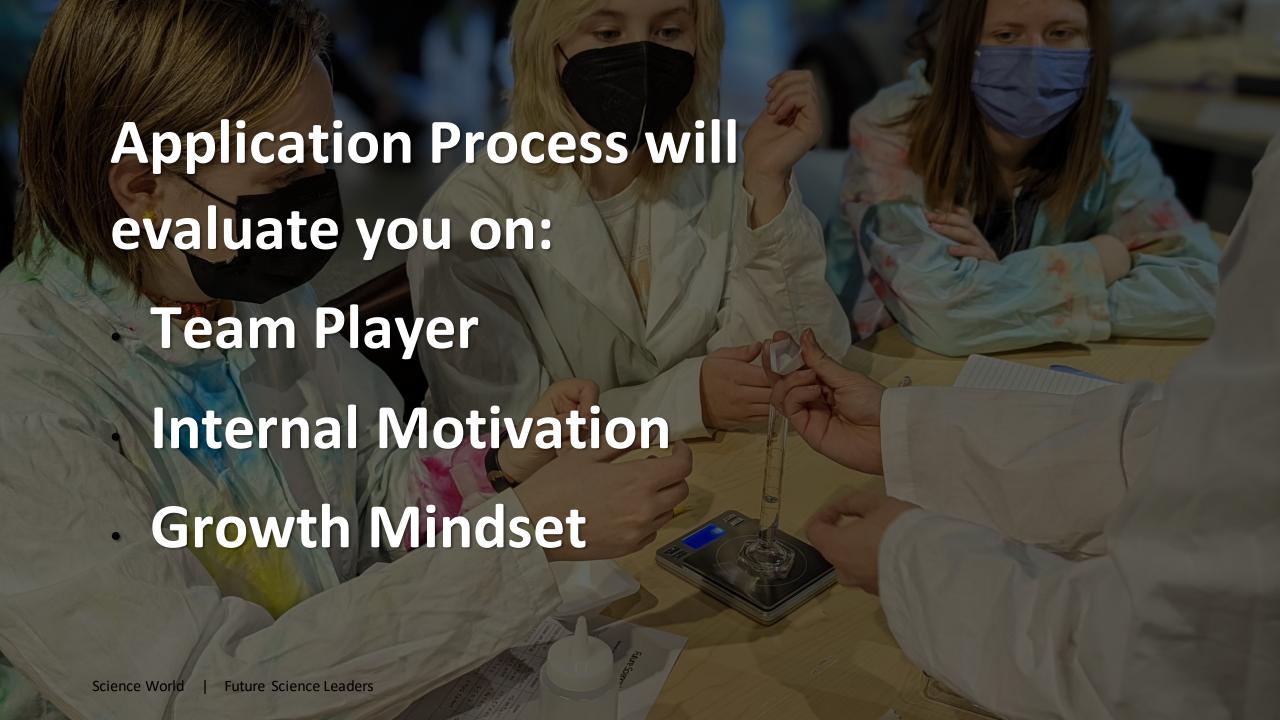
Internally Motivated



Why these qualities?

Growth Mindset





What it doesn't evaluate:





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Application Form





https://www.scienceworld.ca/futurescienceleaders/



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TODAY WITH SCIENCE WORLD

VISIT US GET CURIOUS BRIGHT TOMORROW

To prepare for your application use our <u>application checklist</u>, join an information session, and attend an application workshop. You can register for any of the information sessions or workshops here:

Info Session & Workshop Registration

Want to spread the word about Future Science Leaders? See the additional resources tab for shareable posters, brochures, and information session slides.

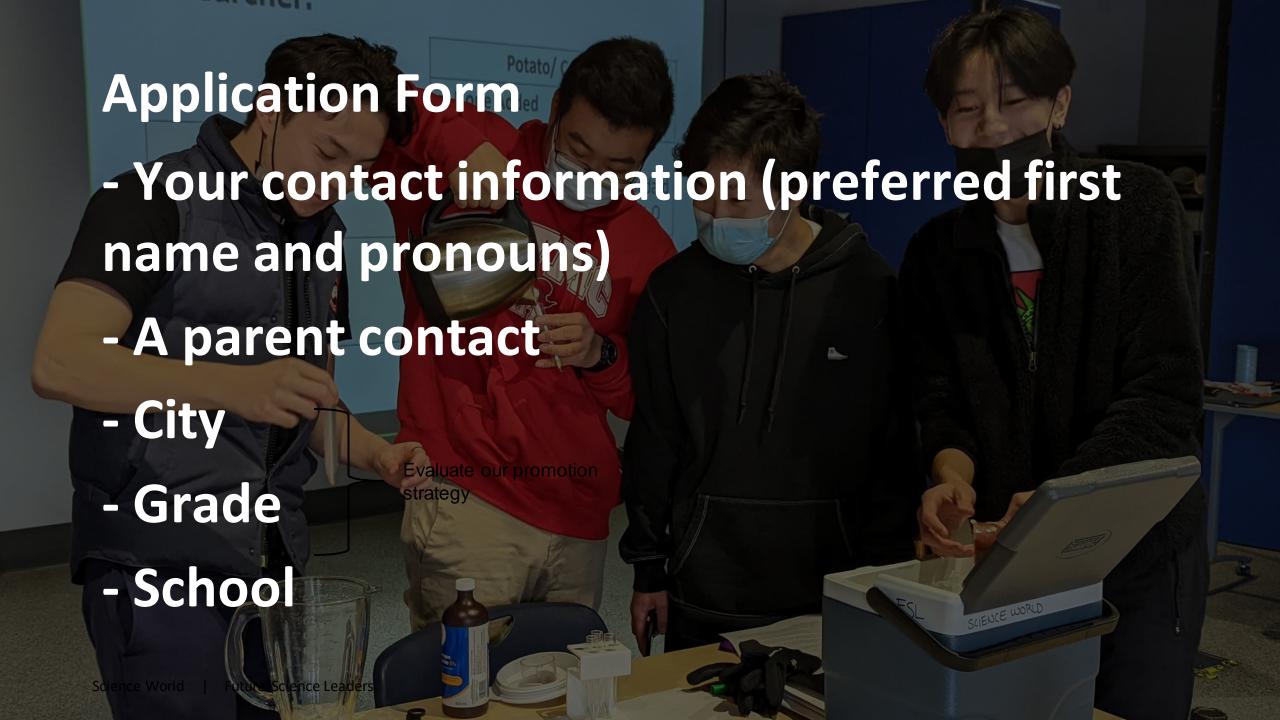
Please complete your application here:

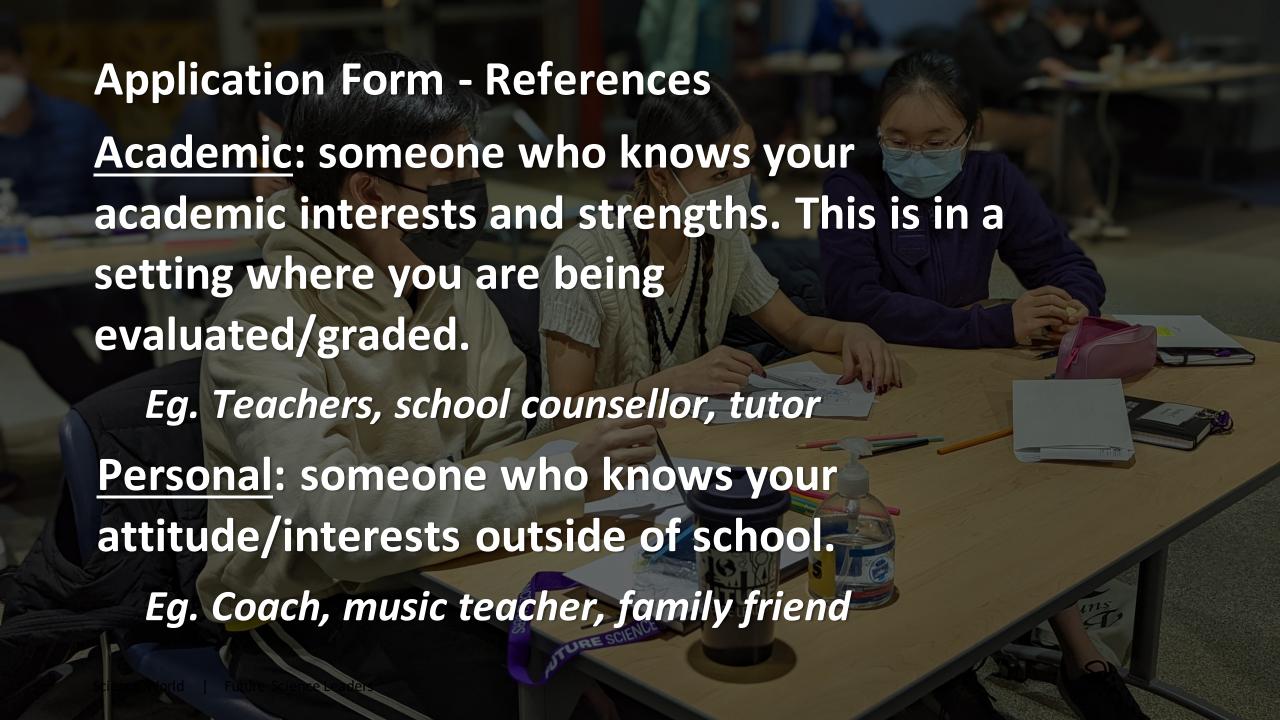


Apply Now

Not yet eligible for the 2023-2024 program year, sign up to be notified when applications open for the 2024-2025 program year.

2024-2025 Notification



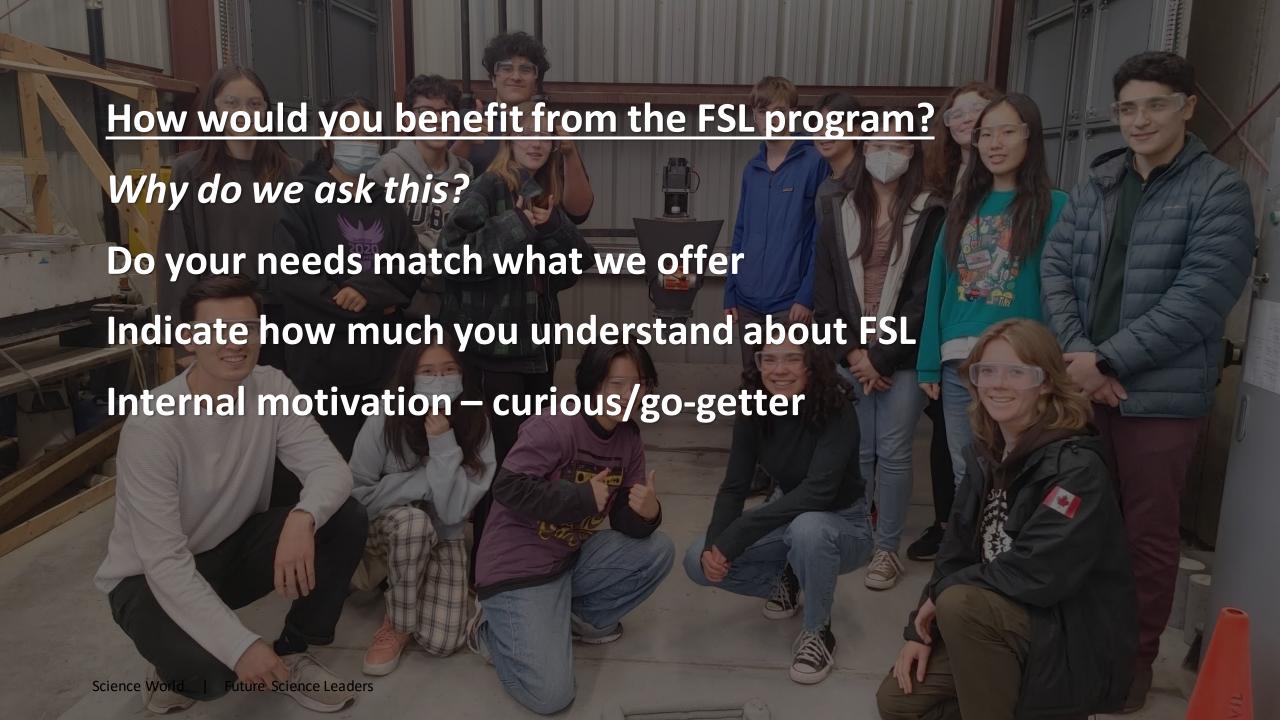


Short Answer Questions

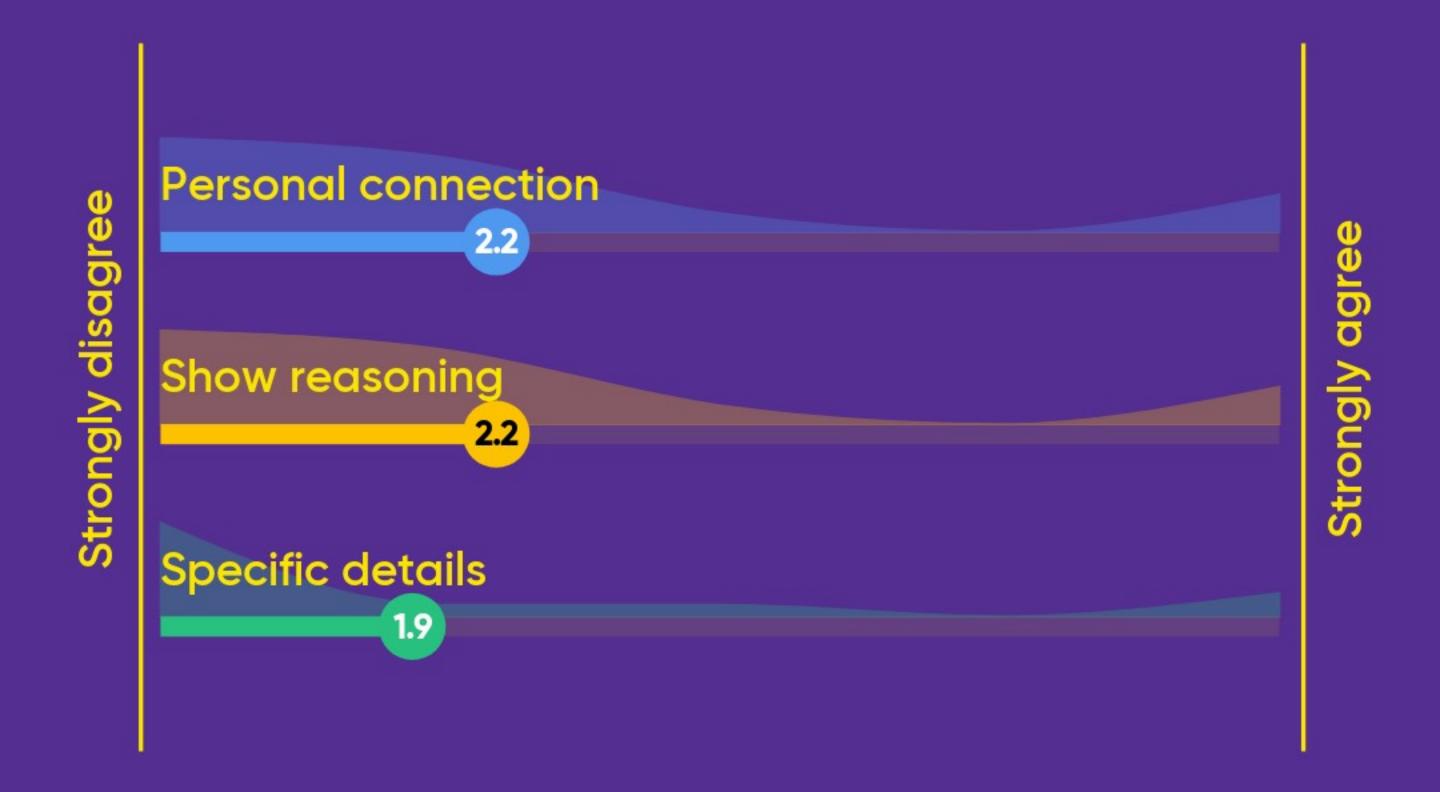








"Science is my favourite class and I would like to learn more about it."







Strongly agree



A

I would benefit by being able to grow my network of people interested in similar things. I would like to work with like-minded people as I think it would be more fun than when I do science in my class at school where people are less interested in science.

B

I would like to meet like-minded peers as in my school I am one of only a few people who find science exciting. I would like to be able to talk about the things we are learning. I think this would also help me build confidence in meeting new people. This would result in being able to network better in the future.

Compare writing examples

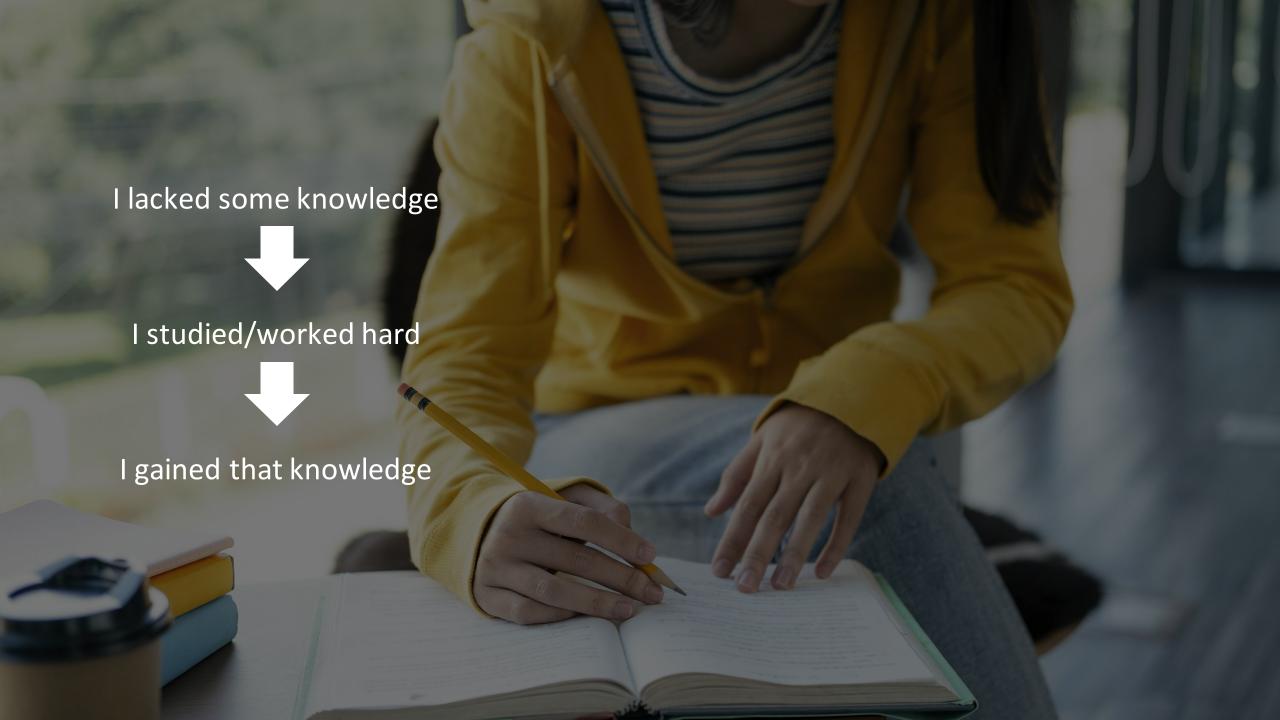


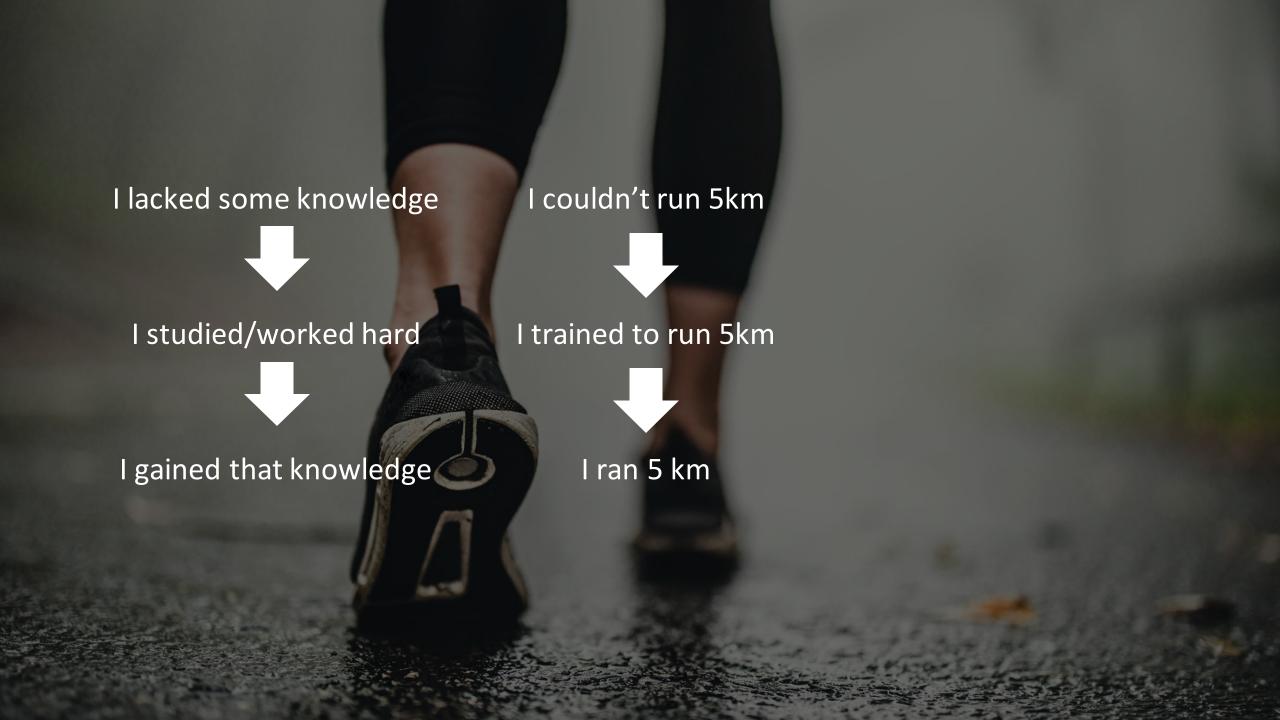


Describe a time when you encountered a challenge and overcame it.

Why do we ask this?

- We aim to challenge you!
- Are you willing to take on challenges?
- What do you do when you get frustrated?
- Do you know how to overcome challenges?







Demonstrating growth mindset

- What was the issue?
- What are you going to do about it?
- How were you changed?

I couldn't run 5km



I started with a basic training routine and joined a running group.



I ran 5 km and learned that the social aspect of running was really important for my success.

Identify problem

One time when I encountered a challenge and overcame it was during my high school science fair project. I had always been interested in sustainable energy sources, so I decided to create a model of a wind turbine that could generate electricity using household materials.

However, as I began to work on the project, I quickly realized that constructing a functional wind turbine was much more difficult than I had anticipated. I encountered multiple setbacks and had to trobleshoot various as I went along. Despite these challenges, I was determined to see by project through to the end. I spent countless hours researching and experimenting with different counties, and eventually, I was able to create a wind turbine that was able to generate a small amount of electricity.

While my project may not have been the most impressive one at the science fair, the process of overcoming the various challenges and completing the project taught me valuable problem-solving skills and the importance of perseverance. It also solidified my passion for sustainability and renewable energy, which I hope to continue exploring in the future as a member of the "Future Science Leaders" program.



What did they do?

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How did it change them?

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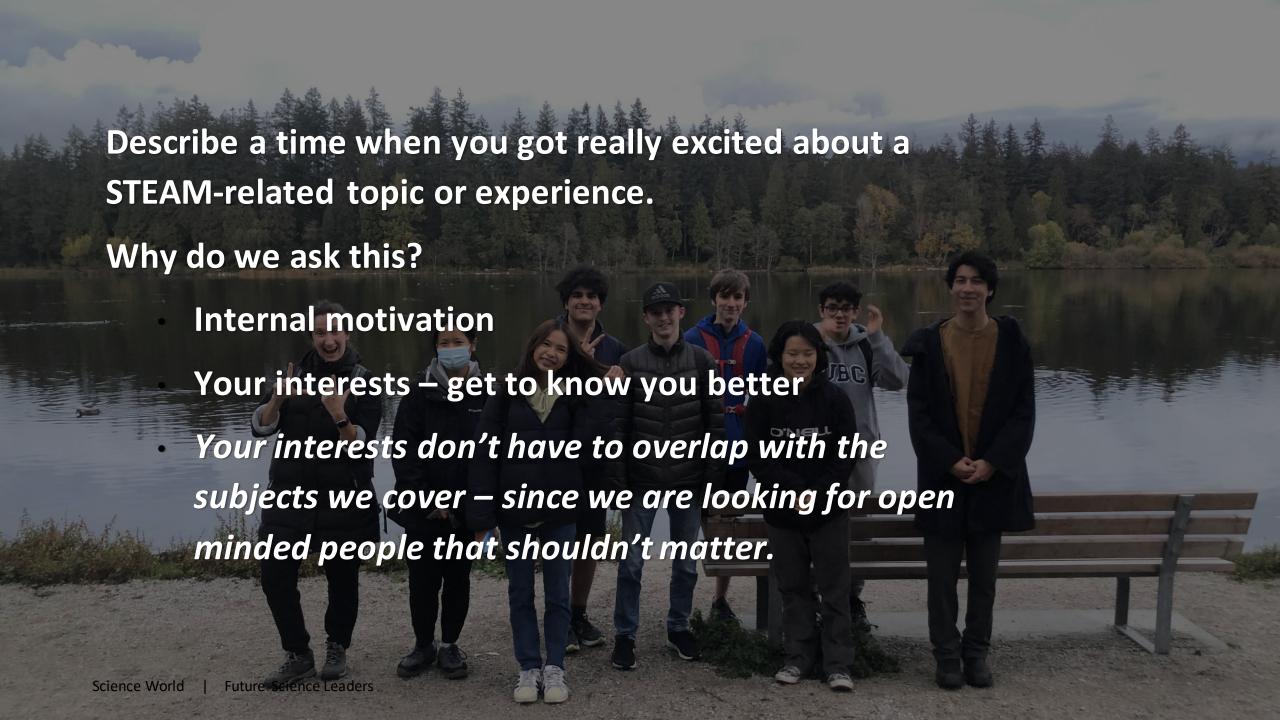
https://openai.com/blog/chatgpt

Introducing ChatGPT

We've trained a model called ChatGPT which interacts in a conversational way. The dialogue format makes it possible for ChatGPT to answer followup questions, admit its mistakes, challenge incorrect premises, and reject inappropriate requests.







I really like rocks.





What actions would demonstrate "liking rocks"?



collecting them

Collecting rocks

collection, experiment

Exploring caves, rock systems, mountains. Knowing a lot about them.

studying how rocks are formed

Rock collection

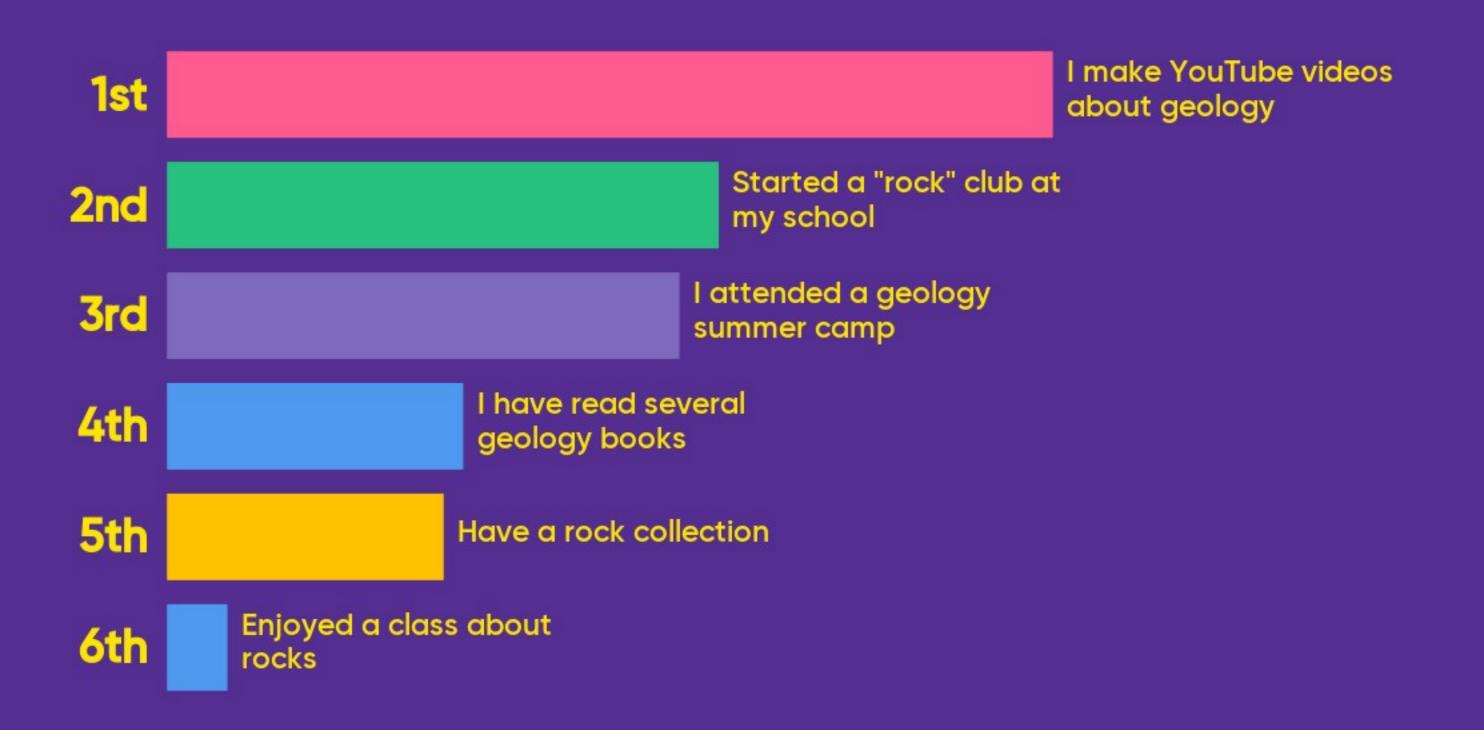
identifying different types



I really like rocks! They have always fascinated me becuase...Recently my passion for rocks led me to....



Which activity would demonstrate the highest level of internal motivation?





FSL would not be possible without the generous support of:







Foundation







Anonymous, in Honour of Connor Twa.

We also acknowledge the financial assistance of the Province of British Columbia.

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Contacts

Questions or concerns:

- Jenny McQueen, program manager
 - <u>jmcqueen@scienceworld.ca</u>

Websites:

- Read stories about alumni and find out more details:
 - <u>scienceworld.ca/futurescienceleaders/</u>
- Examples of student work:
 - <u>futurescienceleaders.com</u>



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