



# How to register for the NB North-West Regional STEM Fair

## WELCOME TO THE NB NORTH-WEST REGIONAL STEM FAIR

New Brunswick Regional STEM Fairs, in affiliation with Youth Science Canada, are a joint project of Science East Science Centre and the New Brunswick Department of Education and Early Childhood Development.

**Science East Science Centre** coordinates multiple provincial and national science competitions every year including the New Brunswick Regional STEM Fair as well as selecting and mentoring Team New Brunswick for participation in the 2023 Virtual Canada-Wide Science Fair being held during May 14 – 19, 2023 in Edmonton, AB.

**Science East congratulates you on qualifying to participate at the NB North-West Regional STEM Fair being held at the Richard J. Currie Centre, UNB Fredericton on April 13, 2023.** We are excited to return to an in-person event that will bring students from all over the Province together to share their projects and explore STEM career pathways.

## Schedule – April 13, 2023

**9 am – 11 pm: Project Sign in, Set-up, and Safety Checks**

**11 am -1:00 pm: Project Presentations to Judges and Exhibit Hall / Lunch Rotations**

**1 – 4:15pm: Student Lab Tours of UNB**

**4:15pm-5pm: Meal Break**

**5 – 6pm: Project Public Viewing:**

**6 - 7 pm: Awards Ceremony**

## WHAT TO BRING

Students are to bring their projects to the event for judging. For those who have participated in STEM Fairs in the past two years, ProjectBoard will not be used at the Regional level this year. Trifold displays are recommended. It helps Judges assess the components of your projects visually. You may bring a laptop or tablet to share video and results of your project as well as an modelling or experiment equipment to support your projects. It must fit within 3 ft width of table.

NB Regional STEM Project Template is on the last two pages of this document.

Please bring your own lunch, supper, snacks. There will be breaks for lunch and supper. No microwaves are available.

Bring weather appropriate outdoor clothing for the afternoon campus tour activities.

10-minute judging interviews will be conducted: 5-minute presentation of your project plus 5 minutes for Judges' questions. Demonstrations will not be done during judging and can ONLY be done during Public Viewing.

[NB Judging Rubric](#)

## Safety and Ethics

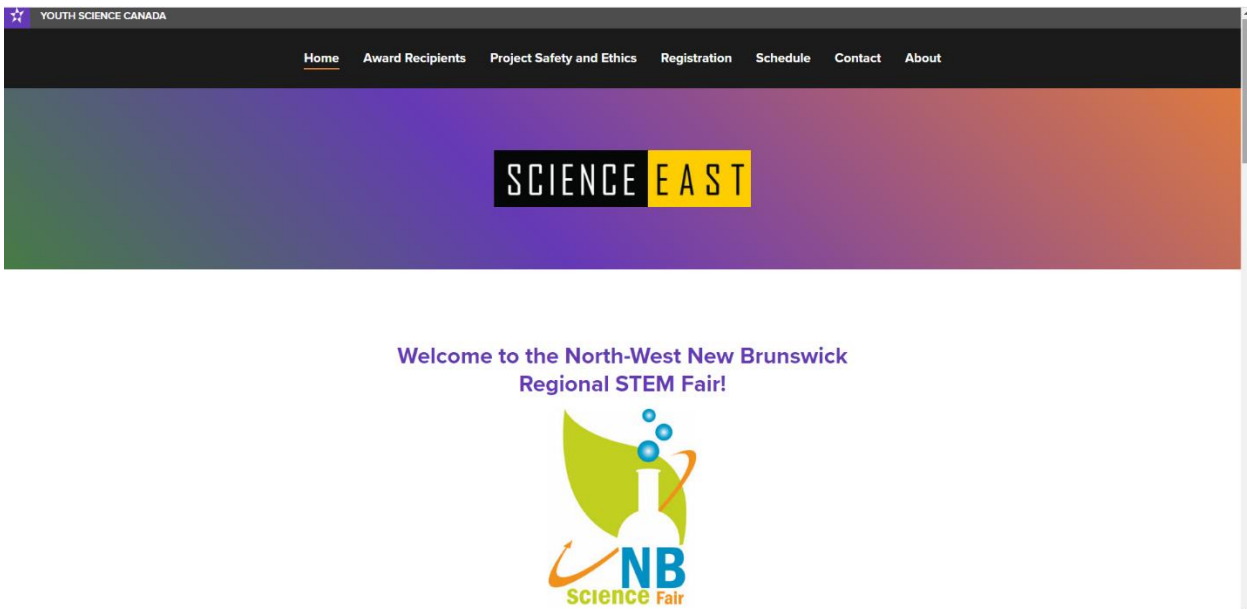
Before arriving at the Fair, please read through the Youth Science Canada's Safety and Ethics in STEM section on the [MySTEMspace.ca](https://mystemspace.ca) website. Complete any forms that may pertain to your project and bring them with your project to the Fair.

## REGISTRATION – LET'S GET STARTED!

Please follow the below instructions to register online by 6:00 pm on the March 31, 2023 deadline.

Contact [Becky.Geneau@scienceeast.nb.ca](mailto:Becky.Geneau@scienceeast.nb.ca) if you have any questions or require assistance.

1. Go to <https://youthscience.ca/north-west-new-brunswick/>

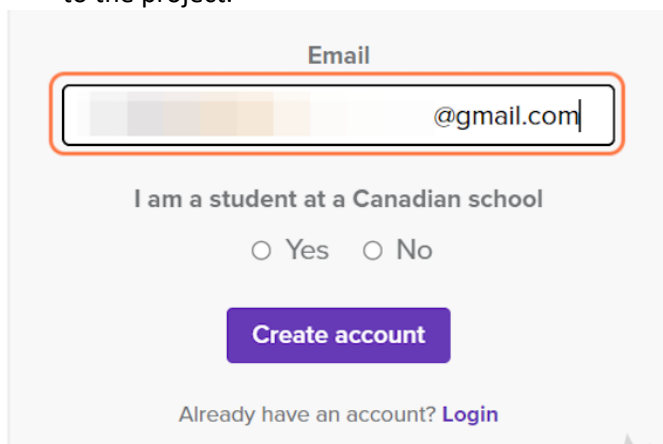


## 2. Log in or register with your email address.

If you already have an account, click "Login". If not, register with your email address.

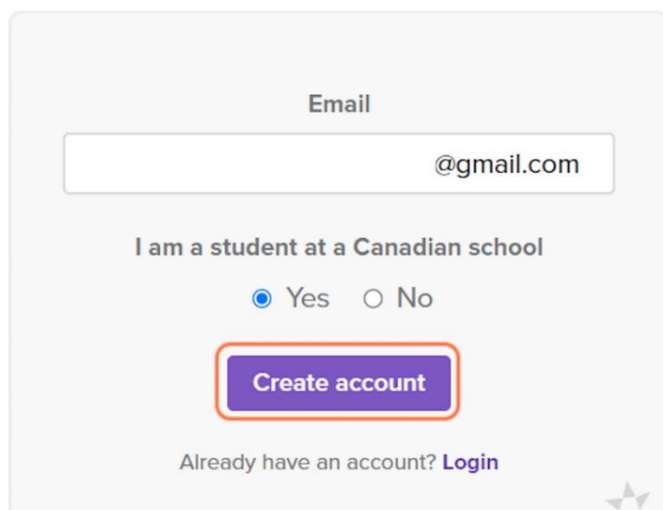
Friendly reminders:

- Use an email address that can receive incoming emails (some school email addresses do not allow this).
- If you have a project partner, they need to register separately. Later, both accounts can be linked to the project.



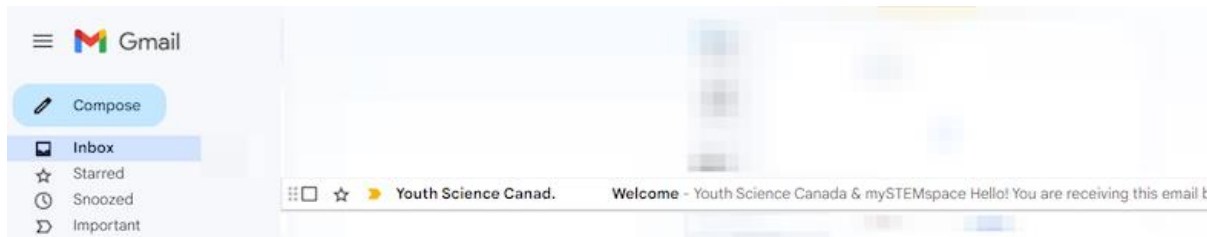
The screenshot shows a registration form titled "Email". The email input field contains "@gmail.com" and is highlighted with a red border. Below the input field, there is a question "I am a student at a Canadian school" with two radio button options: "Yes" and "No". The "Yes" option is selected. A purple "Create account" button is located below the radio buttons. At the bottom of the form, there is a link that says "Already have an account? Login".

## 3. Confirm that you are a student at a Canadian school, and then click "Create account".

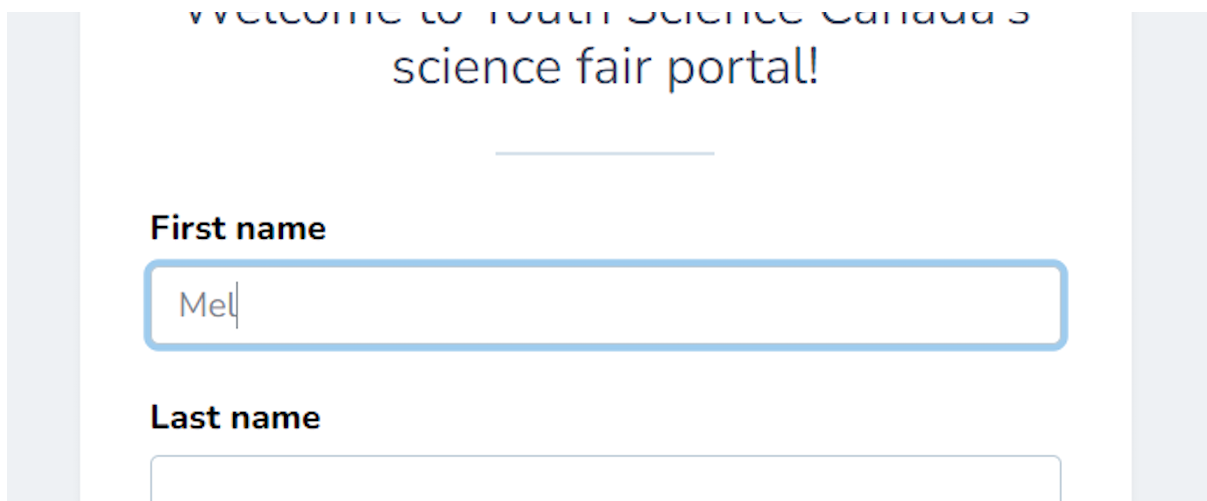


The screenshot shows the same registration form as above, but with the "Yes" radio button selected. The "Create account" button is now highlighted with a red border, indicating it is the next step to click.

4. Check for the "Welcome" email and then click on the link.

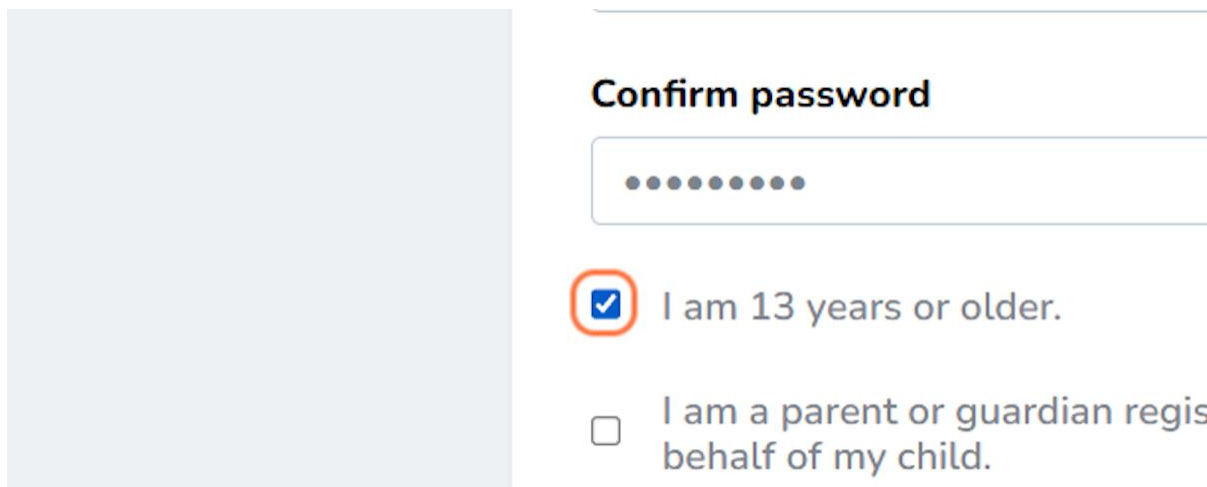


5. Enter the necessary information to create an account.

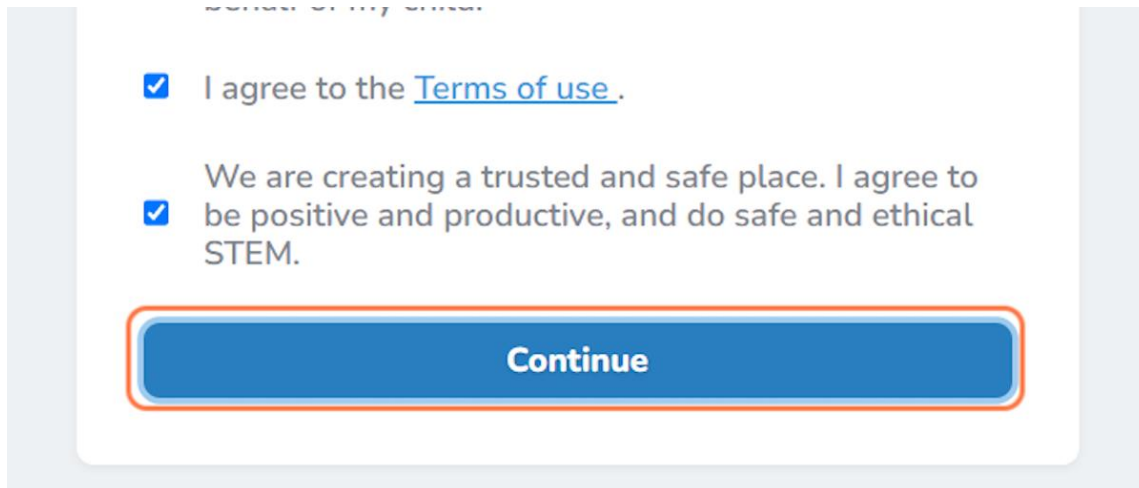
A registration form titled 'WELCOME TO YOUTH SCIENCE CANADA'S science fair portal!'. It features two input fields: 'First name' with the text 'Mel' entered, and 'Last name' which is currently empty. The form is set against a light blue background with vertical grey bars on the sides.

6. Check "I am 13 years or older".

If you are a parent or guardian completing this on behalf of your child, please check **both** the "I am 13 years or older" and "I am a parent or guardian..."

A registration form section. It includes a 'Confirm password' field with a masked password of ten dots. Below this are two radio button options: the first is checked and labeled 'I am 13 years or older.', and the second is unchecked and labeled 'I am a parent or guardian regis behalf of my child.'.

7. Check "I agree to the Terms of use." and "We are creating a trusted and safe place. I agree to be positive and productive, and do safe and ethical STEM." Then click "Continue".



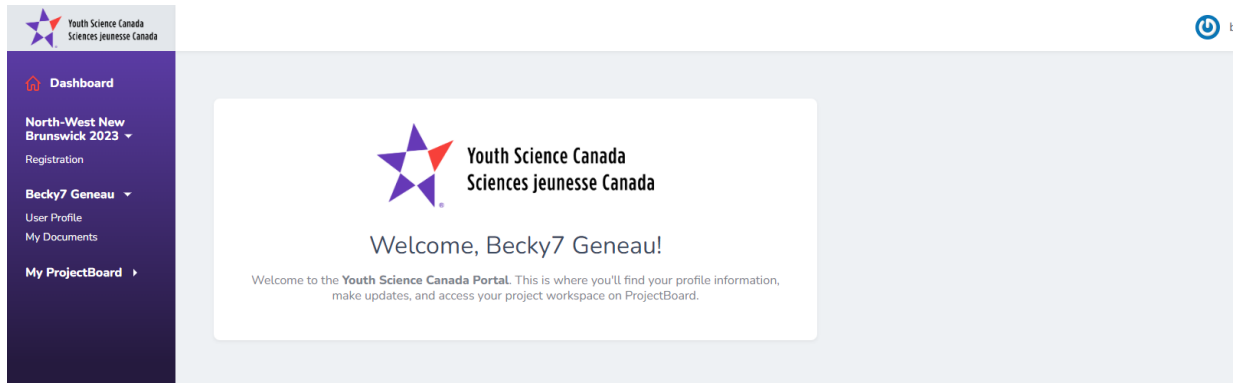
Terms of my school

I agree to the [Terms of use](#).

We are creating a trusted and safe place. I agree to be positive and productive, and do safe and ethical STEM.

**Continue**

9. You will be brought to the dashboard of your YSC Portal account. It will be at the top left. Click on "Registration".



Youth Science Canada  
Sciences jeunesse Canada

Dashboard

North-West New Brunswick 2023

Registration

Becky7 Geneau

User Profile

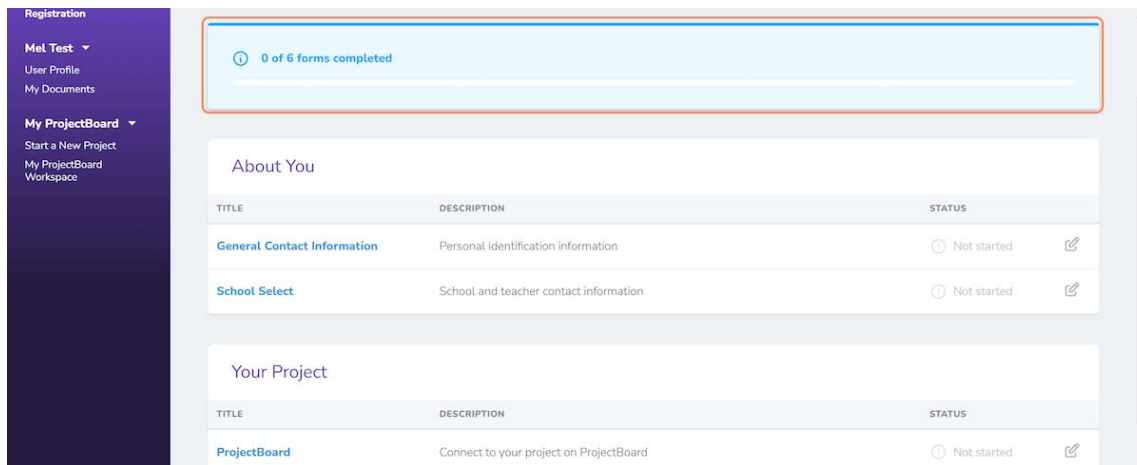
My Documents

My ProjectBoard

Welcome, Becky7 Geneau!

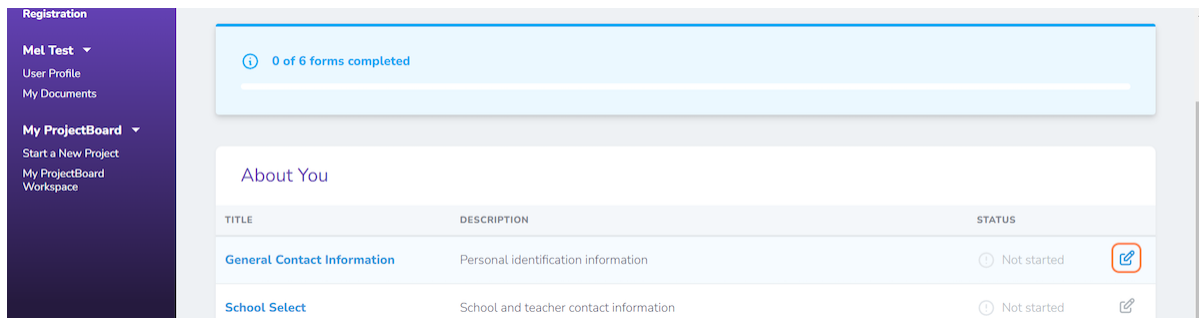
Welcome to the Youth Science Canada Portal. This is where you'll find your profile information, make updates, and access your project workspace on ProjectBoard.

**10. Before you begin, you'll see that no forms are completed. This will track your progress as you go.**



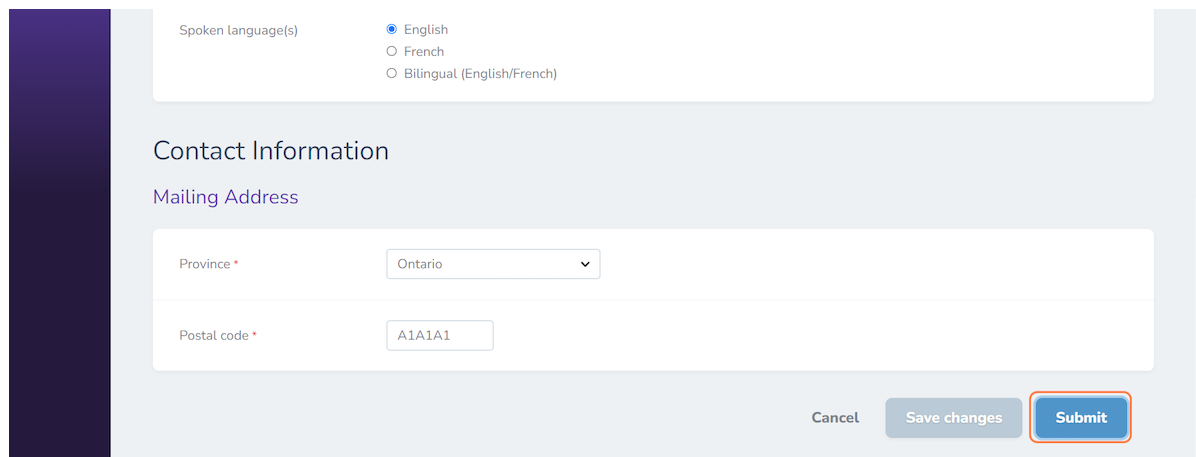
The screenshot shows a user interface for registration. On the left is a dark purple sidebar with navigation options: 'Registration', 'Mel Test', 'User Profile', 'My Documents', 'My ProjectBoard', 'Start a New Project', and 'My ProjectBoard Workspace'. The main content area has a light blue header bar with a progress indicator: '0 of 6 forms completed'. Below this are two sections: 'About You' and 'Your Project'. Each section contains a table with columns for 'TITLE', 'DESCRIPTION', and 'STATUS'. In the 'About You' section, there are two rows: 'General Contact Information' (Personal identification information) and 'School Select' (School and teacher contact information). In the 'Your Project' section, there is one row: 'ProjectBoard' (Connect to your project on ProjectBoard). All 'STATUS' cells contain a clock icon and the text 'Not started'. A red box highlights the progress bar at the top.

**11. Start by completing the General Contact Information form. Most of it will already be filled out with the information you shared when creating your account.**



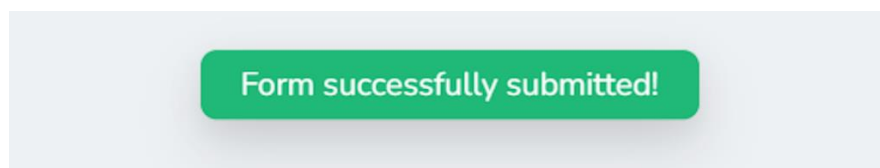
This screenshot is identical to the previous one, but with a red box highlighting the 'edit' icon (a pencil inside a square) in the 'STATUS' column of the 'General Contact Information' row in the 'About You' table.

**12. Complete the required information in the General Contact Information form and then click "Submit". You can also click "Save changes" and come back to it later.**



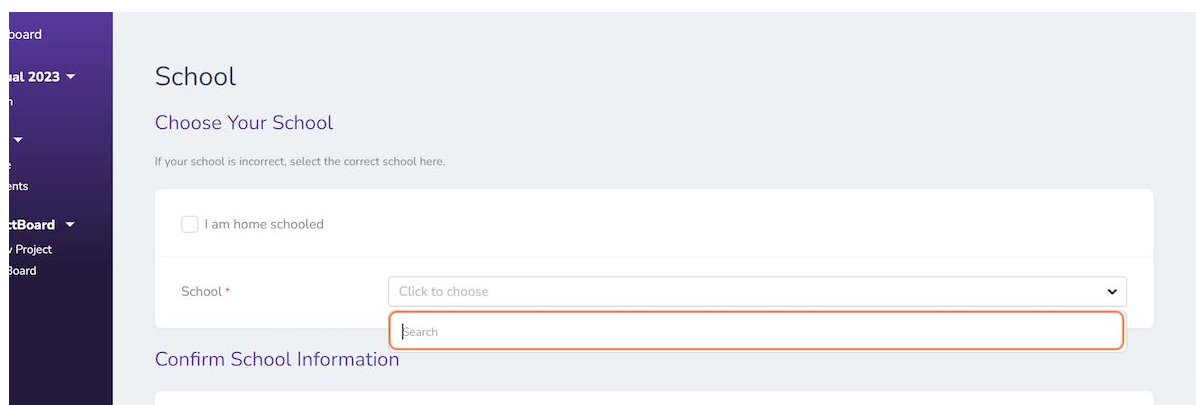
The screenshot shows a web form titled "General Contact Information". At the top, there is a section for "Spoken language(s)" with three radio button options: "English" (selected), "French", and "Bilingual (English/French)". Below this is the "Contact Information" section, specifically "Mailing Address". It contains two input fields: "Province" with a dropdown menu showing "Ontario" and "Postal code" with the text "A1A1A1". At the bottom right of the form are three buttons: "Cancel", "Save changes", and "Submit" (which is highlighted with a red border).

**13. You will see a notice that the form was successfully submitted, the status will change to "Completed" and the tracker will show one form completed. If you click "Save changes" instead, the status will show as "Pending", but the tracker won't change until the form is submitted.**



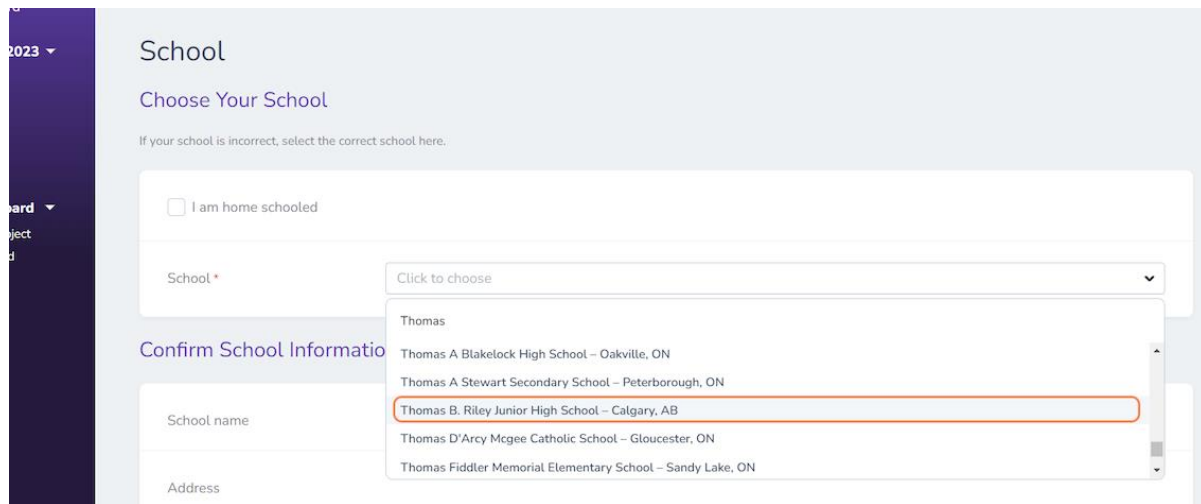
**14. Next, complete School Select. Start entering your school's full name. You can also select "I am home schooled".**

Make sure you spell it correctly or you won't find a match in our database (e.g., instead of FHS you may need to search for "Fredericton High School").

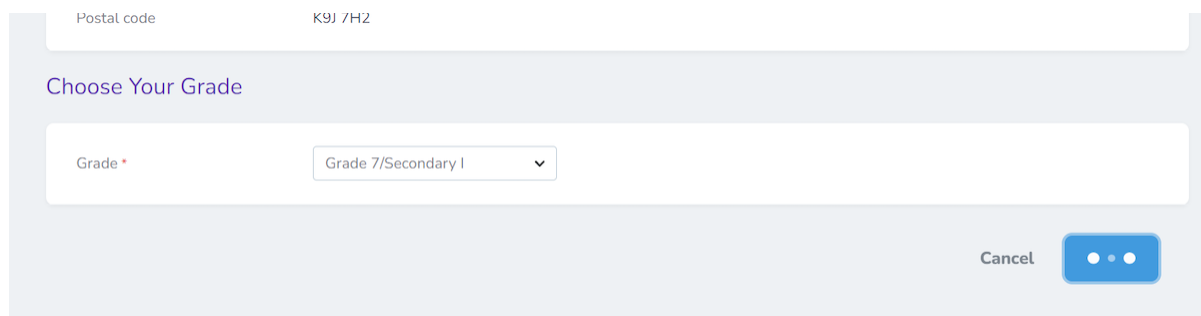


The screenshot shows a web form titled "School Select". It has a sub-heading "Choose Your School" and a note: "If your school is incorrect, select the correct school here." There is a checkbox labeled "I am home schooled". Below that is a "School" input field with a dropdown arrow and the text "Click to choose". A search bar is positioned below the dropdown, containing the text "Search". At the bottom of the form is the section "Confirm School Information".

15. You can also search for a key word in your school's name (e.g., "Thomas") and then scroll through the schools in the dropdown to find your school.

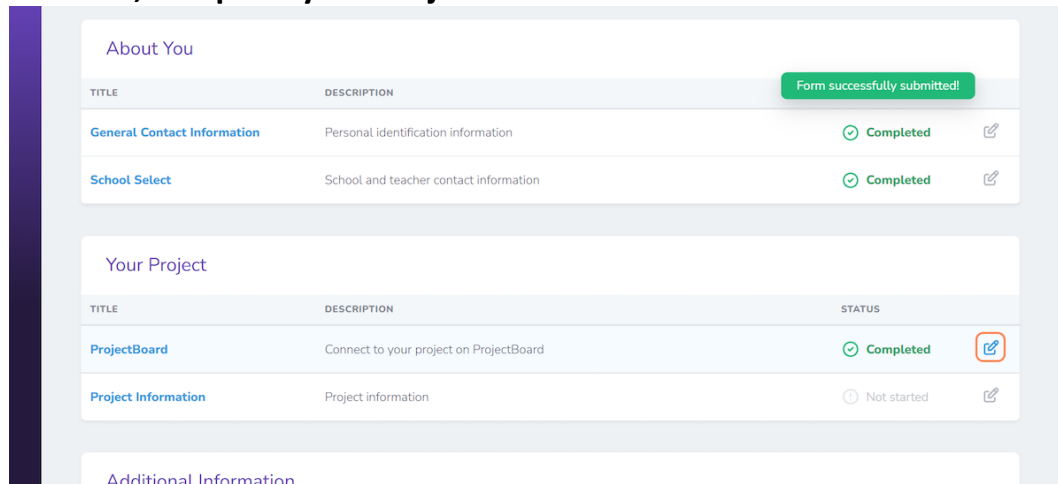


16. Confirm your grade and then click "Submit".



17. Next, ProjectBoard. When you click on this, it will tell you that ProjectBoard is NOT required for this Regional Fair. Click "submit" to continue.

18. Next, complete your Project Information.



About You		
TITLE	DESCRIPTION	
General Contact Information	Personal identification information	Completed
School Select	School and teacher contact information	Completed

Your Project		
TITLE	DESCRIPTION	STATUS
ProjectBoard	Connect to your project on ProjectBoard	Completed
Project Information	Project information	Not started



**19. Enter the information about your project. Then click "Submit".**

Enter the summary of your project.

Provide us with some additional project details.

Title	<input type="text" value="My New Project"/>
Grade category	<input type="text" value="Junior (7 - 8)"/>
Event Project Number	4744
Project members	<input type="text" value="Mel Test"/>
Project language	<input type="text" value="Choose an option"/>
Project type *	<input type="text" value="Choose an option"/>

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**Challenge**

Please pick the Challenge or topic that best applies to your Project according to the fair's project submission requirements.

Challenge	<input type="text" value="Choose an option"/>	<input type="button" value="↑"/>
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**20. Next, "Additional Information". Complete these and then click "Submit".**

<b>General Contact Information</b>	Personal identification information	<input checked="" type="checkbox"/> <b>Completed</b>
<b>School Select</b>	School and teacher contact information	<input checked="" type="checkbox"/> <b>Completed</b>

**Form successfully submitted!**

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**Your Project**

TITLE	DESCRIPTION	STATUS
<b>ProjectBoard</b>	Connect to your project on ProjectBoard	<input checked="" type="checkbox"/> <b>Completed</b>
<b>Project Information</b>	Project information	<input checked="" type="checkbox"/> <b>Completed</b>



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**Additional Information**

TITLE	DESCRIPTION	STATUS
<b>Additional Information</b>	Information needed to complete your registration	<input type="checkbox"/> Not started
<b>Registration Confirmation</b>	Confirm your regional fair registration	<input type="checkbox"/> Not started



**21. Finally, click on "Registration Confirmation" to submit your NB North-West Regional STEM Fair registration.**

Your Project

TITLE	DESCRIPTION	STATUS
<a href="#">ProjectBoard</a>	Connect to your project on ProjectBoard	✔ Completed 
<a href="#">Project Information</a>	Project information	✔ Completed 

Additional Information

TITLE	DESCRIPTION	STATUS
<a href="#">Additional Information</a>	Information needed to complete your registration	✔ Completed 
<a href="#">Registration Confirmation</a>	Confirm your regional fair registration	ⓘ Not started 

**22. Check the confirmation statement, and then click "Submit".**

Registration Confirmation

I confirm that I am completing my registration for the following regional fair: YSC Virtual RSF \*

Cancel

**23. You're all done! The tracking bar will be green, and the status of all forms will be "Completed". You are now registered for the NB North-West Regional STEM Fair.**

Dashboard

Virtual 2023

Registration

Test

Profile

Documents

ProjectBoard



Create a New Project

ProjectBoard Workspace

Form successfully submitted!

Participant Registration

ⓘ 6 of 6 forms completed

TITLE	DESCRIPTION	STATUS
<a href="#">General Contact Information</a>	Personal identification information	✔ Completed 
<a href="#">School Select</a>	School and teacher contact information	✔ Completed 

## Regional STEM Fair Template

Template instructions Each section includes its own instructions to help you prepare the content. It is recommended to print each section to put onto a Tri-Fold display.  
No Written Report required.

### **SUMMARY Communicate**

This is the first text people will read, but it should be written last.

Tell the story of your project to encourage people to read more. The summary should be written for a middle school (age 11-13) audience – avoid scientific jargon and acronyms. Keep it brief. Ask a family member or friend to read it:

- Does it interest them?
- Do they understand what you did and why?

A recommended format would be:

- One sentence to introduce the question or problem and spark interest.
- One or two sentences describing what you did.
- One or two sentences summarizing the main results or explaining your solution.
- One sentence describing the importance of your work.

MAXIMUM 100 WORDS AND 1 IMAGE

### **WHY? Initiate and Plan**

Tell us your story!

You can use sections such as purpose, hypothesis and background information, or a more narrative approach. Some ideas you could include:

- Why did you do this project?
- What or who inspired you to do this project?
- What question were you trying to answer or what problem were you trying to solve?
- Who could benefit from your project?
- How can it make the world a better place?

MAXIMUM 250 WORDS AND 5 IMAGES

### **HOW? Perform and Record**

How did you perform your experiment or develop your solution?

Give an overview aimed at a middle school audience. To protect your ideas and work, save the technical details for your project logbook or binder at your project. You can use sections such as materials, methods, procedures, design process and testing procedure, or a more narrative approach. Figures, photos, or prototype sketches can be used to show what you did. Some ideas you could include:

- How did you do your background research?
- How did you identify relevant and trustworthy sources of information?
- What was your experiment or design process?
- How did you design and test your solution or prototype?
- What materials did you use?
- How did you collect your data?
- How many samples did you test?
- How did you control the variables?

MAXIMUM 300 WORDS AND 5 IMAGES

**WHAT? Analyse and Interpret**

Tell us your results! What did you find out?

You can use sections such as results and analysis, or a more narrative approach. Some ideas you could include:

- What are the main results or findings of your project?
- How does your prototype work?
- Discuss your results.
- If you used statistics, explain why you chose the methods you used. To protect your ideas and work, do not share your raw data. Show your results in graphical form – only include graphs or figures that summarize your data and support your conclusion. Please, don't include every graph or table!

MAXIMUM 500 WORDS AND 5 IMAGES

**SO WHAT? Analyse and Interpret**

Tell us why your results are important and what they mean.

You can use sections such as discussion and conclusion, or a more narrative approach. Some ideas you could include:

- What are the conclusions you can draw from your results?
- What did you learn from your results?

MAXIMUM 250 WORDS AND 5 IMAGES

**WHAT'S NEXT? Analyse and Interpret**

Tell us how you could extend your project.

You can use sections such as further research and future improvements, or a more narrative approach.

Some ideas you could include:

- What could you have done differently?
- How could you improve your project?
- What are the next steps?

MAXIMUM 100 WORDS AND 5 IMAGES

**THANKS**

Tell us about the great people who helped with specific parts of your project!

Did someone help you refine your question or problem? Provide materials or equipment? Assist with experiments or design/testing? Help you analyse or present the results? Thank them and say how their help made your project better. Keep it brief.

MAXIMUM 150 WORDS AND 1 IMAGE

**REFERENCES**

Tell us where you got your information, ideas and images!

All ideas, thoughts, data, statements or images that are not uniquely your own should be referenced.

Your own content from a previous project should also be referenced. We encourage the use of APA formatting for all your references.

Here are two examples:

Journal articles:

Denisov, I. G., & Sligar, S. G. (2017). Nanodiscs in membrane biochemistry and biophysics. *Chemical Reviews*, 117(6), 4669-4713.

Books:

Eby, G. N. (2016). *Principles of environmental geochemistry*. Waveland Press