

# ROTARY ALGOMA STEM FAIR

presented by  Tenaris

**APRIL 11-13, 2024**

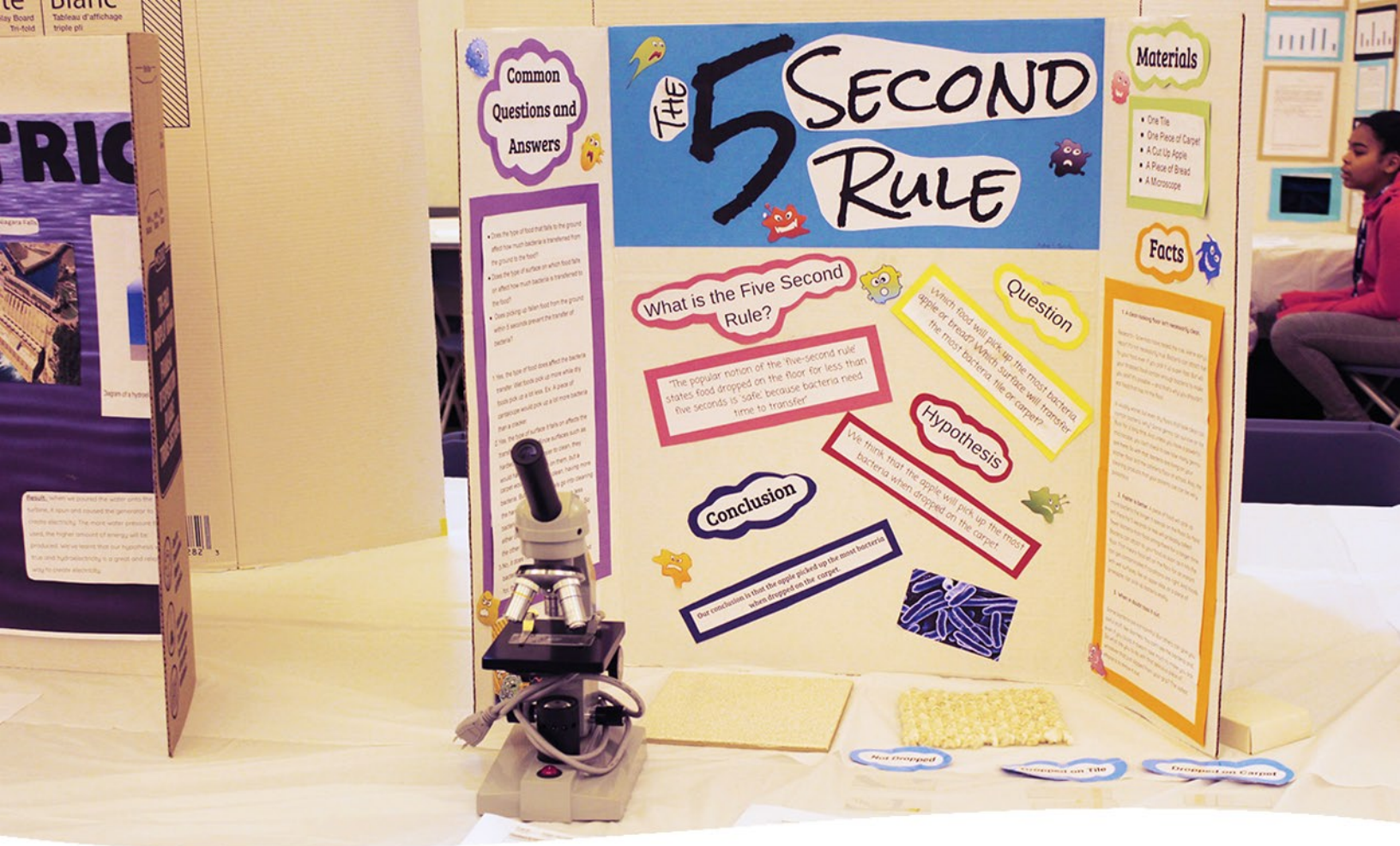
**GEORGE LEACH CENTRE**

INDIVIDUAL AND SCHOOL AWARDS

SCHOLARSHIP OPPORTUNITIES

TRIPS TO CANADA WIDE SCIENCE FAIR

**[www.AlgomaScience.ca](http://www.AlgomaScience.ca)**



## WHAT

The Annual Rotary Algoma STEM Fair is a regional STEM fair registered with Youth Science Canada. This year marks our 35<sup>th</sup> fair. Students conduct independent research, follow the scientific method, display their projects, interact with judges, and interact with their peers.

## WHO

All grade seven to twelve students who attend a school, or are homeschooled, in the Algoma region are welcome to participate in the STEM fair.

## WHEN

Thursday, April 11<sup>th</sup> to Saturday, April 13<sup>th</sup>, 2024.

## WHERE

The George Leach Centre, located at the Algoma University campus.

## WHY

To encourage students to share their interest in science, technology, engineering, and math with their peers, local experts, and our community by exploring the world around them - exposing them to the scientific method through practical application.





## THURSDAY, APRIL 11

Project set up is from 4:00 p.m. to 7:00 p.m. at the George Leach Centre (Algoma University). All projects must be completely set up within this time period. If for any reason part of the project cannot be left overnight, please arrange with the Algoma Rotary Science Fair planning committee.

## FRIDAY, APRIL 12

All participating grade 7 to 12 students must report to the fair site by 9:00 a.m. and be ready to present by 9:30 a.m. There will be a break in judging from 11:30 a.m. to 12:30 a.m. for students to have lunch (not provided). Judging will resume from 12:30 p.m. to 3:00 p.m. at which time the day's events will conclude. There will be STEM programming throughout the day.

## SATURDAY, APRIL 13

An awards ceremony will be held at 10:00 a.m. in the George Leach Centre. All students are encouraged to attend. There will be awards, cash prizes, and scholarships distributed. Projects must be taken down and away immediately following the ceremony.

## PICKING A TOPIC

A project can be one or more experiments designed to answer a particular question from the Rotary Algoma STEM Fair's seven challenge areas: discovery, energy, environment, health, information, innovation and resources. All projects will fall under one of two general categories used by the Canada-Wide Science Fair - Innovation and Discovery. The term "discovery" refers to the discovery of something previously unknown. In contrast, innovation entails creating something unique and sophisticated.

## PREPARING FOR THE FAIR

When brainstorming topics, experiments, materials, and other components of your project, please reference the Youth Science Canada website for an in-depth and detailed list of rules: [www.youthscience.public.doctract.com](http://www.youthscience.public.doctract.com). If you are ever unsure, please feel free to contact the science fair planning committee. We would be happy to answer any of your questions.

## MAKING A DISPLAY

A display can consist of backboards, title boards, presentations, and prop material. The entire display should not exceed a maximum space of 1.2 m wide, 0.75 m deep, and 3.5m high.

**Science board:** highlights all the key components of your project – meaning a summary of all the main parts of the scientific process. A science board can be made up of words, pictures, graphs, etc. You will also need to provide the following documentation.

**Journal:** a detailed account of your experimental process, thoughts and observations.

**Written report:** A complete Project Report usually includes the following subtitles and sections. Depending on the level of the project this may not require all the components. Some variation is allowed for innovation/study projects that do not follow an experimental protocol.

Background: How your project came to be.

Purpose: Why your project was conducted and what you hoped to achieve.

Hypothesis: Your proposition to be tested, if applicable.

Procedure: A brief outline of the materials and methods used.

Results or Observations: A summary of the results of your experiment, innovation or study.

Conclusions: What can be concluded from your results and why it is important.

Acknowledgements: Recognition of those individuals, institutions and businesses that provided significant assistance.

References: Detailed references are mandatory for any specific literature referred to in the text of the report.

*Items not permitted to be part of the display: Glass, breakable (e.g. porcelain), dangerous noxious, chemical, living, or explosive materials. No powder, sand/grit, or liquid will be permitted.*





## **REGISTERING FOR ROTARY ALGOMA STEM FAIR**

Every student is required to register individually (even if they are part of a partnership) at [www.AlgomaScience.ca](http://www.AlgomaScience.ca) by March 31, 2024. They will create an online profile and be asked to complete information such as their name, age, school, and name of project.

## **TRANSPORTATION**

Transportation is not provided by the Rotary Algoma STEM Fair. Typically, students find their own way to and from the fair (e.g. from parents and guardians). If your school chooses to provide bus transportation, please ensure students arrive by 9:00 a.m. and leave no earlier than 3:00 p.m.

## **JUDGING**

No parents or teachers will be allowed in the display area during the judging on April 12<sup>th</sup>. Judging is conducted by a committee of local scientists, professionals in STEM fields, and past educators.

## **CANADA-WIDE SCIENCE FAIR**

Every year, the Rotary Algoma STEM Fair selects four to five deserving students to attend an all-expense included trip to the Canada-Wide Science Fair, where they will meet hundreds of students from across the country and compete for over \$1 million in prizes and scholarships. This year's fair is in Ottawa, Ontario from May 25<sup>th</sup> to June 1<sup>st</sup>.



## SCHOOL PRESENTATION

A member of our Rotary Algoma STEM Fair committee would be happy to present to your class or school about the benefits of attending the fair, what goes into a great project, and how the judging is conducted. Just let us know!

## OTHER RESOURCES

In addition to our website, you can visit [www.YouthScience.ca](http://www.YouthScience.ca) for more information about the Youth Science organization and Canada-Wide Science Fair.

## CONTACT US

Nilah Moss

Events Manager for the Rotary Club of Sault Ste. Marie

[marketing@rotarysault.com](mailto:marketing@rotarysault.com)

705-945-1279

Dr. Dante Carlascio

Chair of the Rotary Algoma STEM Fair

[dantecarlascio@gmail.com](mailto:dantecarlascio@gmail.com)