

Perth-Andover Middle School Science Fair

Science Fair Proposal Due Date: Monday, February 26th

Project Due Date: Monday, March 9th

Science Fair Date: Wednesday, March 11th

Who – Any student may participate. This will be an optional assignment for students in grades 6-7 and is required for grade 8 students, although grade 8 students do not have to participate in the science fair, they will be required to complete a project for class. Students may work individually or in a group of 2.

What – Students are expected to choose a project that demonstrates the steps of the scientific method:

- Write a testable question
- Form a Hypothesis
- List of Materials and a Step-by-Step procedure
- Identify variables
- Describe and Record Observations
- Analyze results
- Form a conclusion

Grade 6-7 students are expected to complete the project AT HOME. If they would prefer to work in class after school, this may be arranged by speaking with the science teacher. Grade 8 students will have an opportunity to work on their project at school during their Project-Based Learning Exploratory class.



PAMS Science Fair Proposal

Student(s):

Project title:

Project idea (short description):

Question (what will be answered?):

Hypothesis (what do you think will happen?):

Important information for Middle and High School Students who wish to enter the ASD-W STEAM EXPO 2020

ELIGIBILITY

To be eligible to enter a project, a student must be attending classes at an Anglophone School District – West school in grades 6-12.

PROJECT CLASSIFICATIONS

Your project needs to reflect the scientific process and your passion for your topic.

Projects will still be awarded First, Second and Third designations in each of our grade level divisions:

Grades 6-8, grades 9-10 and Grades 11-12. There will also be honorable mentions for those projects that truly demonstrate exemplary interest for the general topics of Science, Technology, Engineering, Art, and Mathematics.

REGISTRATION PROCEDURE

Students wishing to register for participation in the **ASDW STEAM Expo 2020** should click on and complete the Online Registration Form at <http://web1.nbed.nb.ca/sites/ASD-W/steam/Pages/default.aspx>

The deadline for registration is **12:00 midnight on Friday, March 13th, 2020.**

PROJECT EXHIBITS

1. All exhibits must be confined to a table or floor space not to exceed 1.2 meters wide by 0.8 meters deep (see diagram). Height of exhibits is limited to 3.5 meters. Exhibits that exceed the dimensions given may be disqualified. Exhibitors must plan for this allotted space only.
2. Group projects (maximum of 2 students) may be entered under the group leader's name. In the event of an award, the group leader is the beneficiary.
3. Construction of exhibits must be sturdy, with moving parts firmly attached and approved for safety. Each exhibit must be self-supporting. Electricity (AC 110V, 60 Hz) will be supplied; however, the host venue will not provide gas, running water, or any other material.
4. An exhibitor may not present more than one exhibit each year.

SAFETY RULES

1. Displays must be solidly constructed. Moving pieces, if any, must be firmly attached and present no danger of accident. Switches and cords must be of the approved variety and circuits adequately

protected. Cell or battery-fed circuits should be safe both in design and operation. Pressure vessels must be equipped with safety valves and gas cylinders stabilized.

2. Open flames, live animals, inflammable liquids, microbial cultures, plants and soil, biodegradable material and lasers in working order may not be exhibited.
3. No toxic, corrosive or dangerous chemicals are allowed. Substitutes, such as sugar, water, food dyes, salt, flour and molasses, must be used to simulate dangerous chemicals.
4. For a project involving live animals, the regulations of the Youth Science Foundation must be followed.
For further information, visit www.youthscience.ca

JUDGING (Gr. 5-12)

1. Exhibitors must be present during the judging sessions for demonstration of their project and interviews. Exhibitors should be prepared to orally present their work to the judges in five minutes or less.
2. Judging is based on the following criteria:
3. The decision of the judges shall be final in all cases.

MANAGEMENT

1. The ASD-W **STEAM Expo 2020** Committee reserves the right to assign equally to exhibitors the available display space and to exclude exhibits of a nature dangerous to exhibitors, visitors and the premises.
2. An exhibitor may not leave his or her display unattended during visiting hours, up to the closure of the Expo.
3. While every effort will be made to prevent damage to exhibits, Anglophone School District – West assumes no responsibility for loss or damage to any exhibit or part thereof.

AWARDS

- ✓ All participants will receive a **STEAM Expo 2020** T-shirt and a participation certificate.
- ✓ In each of the three grade-level categories, prizes will be awarded to the top 3 projects in each of the 6 topic divisions.
- ✓ Top 2 award winners in each division in each grade category will be invited to submit their projects to the North-West NB Regional Science Fair to be held at U.N.B. in April.

<https://secure.youthscience.ca/sfiab/rivervalley/>