

Important information for Elementary School Students who wish to enter the ASD-W STEAM 2016

ELIGIBILITY

To be eligible to enter a project, a student must be attending classes at an Anglophone School District-West school in grades K-5.

PHILOSOPHY

The elementary school component of the **ASD-W STEAM Expo** is based on a noncompetitive philosophy which encourages student participation, sharing, appreciation for diversity, and inclusion. The event is designed to be a fun, engaging, inspiring opportunity for our younger students to enjoy sharing their creativity, enthusiasm, and interest in designing, building, researching, and problem-solving. If it has a connection to Science, Technology, Engineering Art and Math – then **STEAM Expo** is the place!!

NEW THIS YEAR!

Not only will our Grade 5 students be able to share their passion in the world of STEAM, they will also be eligible to compete. (cannot take part at the regionals).

PROJECT CLASSIFICATIONS

Projects will be classified for display into two categories: (K-2) and (3-4).

Students may enter the **STEAM Expo** as individuals or paired with another student.

REGISTRATION PROCEDURE

Students wishing to register for participation in **ASD-W STEAM Expo 2017** should click on and complete the Online Registration Form at <http://www.district18.nbed.nb.ca/stem>. The deadline for registration is 12:00 midnight on Sunday, March 12th, 2017.

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.

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.ysf.ca

MANAGEMENT

1. The **ASD-W STEAM Expo** 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 (Fredericton) assumes no responsibility for loss or damage to any exhibit or part thereof.

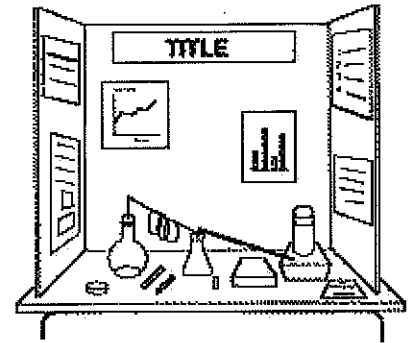
AWARDS

All Elementary Participants will receive a **STEAM Expo** 2017 T-shirt, a Medal and a participation certificate!

Throughout the day, many random draws will take place for exciting math, science and technology-related prizes!!

HINTS ON PROJECT DESIGN

1. Each project must be self-supporting. SUGGESTION: Build or buy a 3-section panel of light material: (These are available at Staples, Covey's, Michaels, Wal-Mart, etc.)
2. Construction may be of rigid cardboard, light veneer or plywood, but may not be of styrofoam.
3. No material such as posters, graphs, etc. is allowed on walls, columns, in front of the table or other area of the exhibition hall.
4. Arrange all project information and material within the allowable space: 1.2 m (width) x 0.8 m (depth) x 3.5 m (height).
5. The Title is usually placed at the top of the center panel. Other information that should be displayed on the project board (hand-written, printed, or typed) can include:
 - ✓ The Question or Purpose,
 - ✓ Materials,
 - ✓ Method or Procedure,
 - ✓ Results (can include drawings, photographs, charts, graphs),
 - ✓ Conclusion (what was discovered or learned)
6. Plan the project taking into consideration:
 - ✓ Clarity
 - ✓ Safety and neatness
 - ✓ Ease of transportation/assembly/disassembly
7. Dangerous chemicals ARE NOT ALLOWED and must be simulated by safe substances such as salt, sugar, colored water, etc.



If you have questions about these specifications and your **STEAM Expo** project, please contact Donna McLaughlin at donna.mclaughlin@nbed.nb.ca (453-5454)
Jon Hoyt-Hallett at Jon.Hoyt-Hallett@nbed.nb.ca (453-5454)