



How to Prepare an Outstanding Science Fair Project

NRSEF Committee is offering Support to Students Planning on Completing Science Fair Projects A Community Outreach Initiative

- Who:** This opportunity is for any Niagara student (grades 5-12) who hopes to complete a science fair project before the 2011 Niagara Regional Science and Engineering Fair. Students are more than welcome to register even if their school doesn't host a yearly fair.
- What:** Representatives from the Niagara Regional Science and Engineering Fair Committee will be hosting a series of five workshops to support the planning, conducting and reporting of science fair projects. These workshops will be offered free of charge. All workshops will include time for each participant to be coached by committee members, scientists or Masters' students.
- Where:** Workshops will take place at Brock University (Session #1), Vineland Research Station (Session #2), and Niagara College (Session #3). The location for the fourth and fifth sessions will be announced at the second session.
- When:** Each of the five different workshops will be held on Saturday mornings. The sessions have been created to build on each other. Attendance is very important as there is limited space.
- Session #1:** Saturday, September 25th at Brock University
 - Session #2:** Saturday, October 16th at Vineland Research Station
 - Session #3:** Saturday, November, 20th at Niagara College (Welland Campus)
 - Session #4:** Saturday, January 15th – location to be announced
 - Session #5:** Saturday, January 29th – location to be announced
- All sessions begin will begin at 9:00 in the morning and finish at noon, except the first session which will go until 2:30 p.m..
- How:** Any interested student will be required to e-mail their registration starting Monday, June 28th at 8:00 a.m.. Registration forms are available in PDF and Microsoft Word file types. Applicants should e-mail attached completed forms to sciencefair@dsbn.edu.on.ca. Since space will be limited, only the first thirty applicants will be guaranteed acceptance. However, if interest is significant, extra spots may be added. Any inquiries can be directed to sciencefair@dsbn.edu.on.ca.

Workshop Topics

Session	Time	Location	Description
#1 Saturday Sept. 25 th	9:00 a.m. to 2:30 p.m.	Brock University	What do scientists and engineers do? Students will meet research scientists and engineers as well as post-secondary students. Participants will also hear from past winners about their experiences. Experimental design & the technological design process will be illustrated. Students will complete an inquiry investigation involving rockets. Safety considerations and rules and regulations of the NRSEF will be presented. Finally, students will be coached on brainstorming exemplary science and engineering project ideas.
#2 Saturday Oct. 16 th	9:00 a.m. to 12:00 p.m.	Vineland Research Station	Students will analyze and evaluate projects looking for the elements of exemplary work. Evaluation rubrics and checklists will be used to help students understand the criteria used to judge projects. Another inquiry investigation will be explored to help students develop a deep understanding of the inquiry skills needed to complete a high level project. At the end of the session, students will be coached in developing appropriate methodologies for their projects.
#3 Saturday Nov. 20 th	9:00 a.m. to 12:00 p.m.	Niagara College (Welland Campus)	It will be expected that students have already conducted their experiment and have collected data for this session. This workshop will focus analyzing, interpreting and reporting data. Once again, students will be coached on how best to represent and analyze their data.
#4 Saturday Jan. 15 th	9:00 a.m. to 12:00 p.m.	TBD	This workshop will focus on how writing an effective conclusion, discussion and abstract for their project. Participants will analyze previous science boards and develop criteria for an effective science board. Students will also be shown how to register their projects for the NRSEF. Finally, students will be coached on what to include in their conclusions, discussions and abstracts.
#5 Saturday Jan. 29 th	9:00 a.m. to 12:00 p.m.	TBD	The final session will be used to help students prepare for being judged. Presentation skills will be explored and students will be given time to present their project. Feedback will be given so that students can improve their oral defense.

Those that register will be expected to attend all five sessions.