

JUNIOR TECHNOCHALLENGE

HANDBOOK 2014-2015



With

Avon Maitland District School Board

Huron Perth Catholic District School Board

Foundation For Enriching Education Perth Huron



All About.....Sci-Tech Encounters

What is it? Sci-Tech Encounters includes two events:

TechoChallenge is a day-long event designed to allow students the opportunity to test their academic and problem solving skills related to science and technology. The events include a Pneumatic Robot Challenge, a triathlon, a construction challenge and a vehicle challenge. Classroom teachers are given some resources in order to help prepare their teams for the events. The key ingredients to success are teamwork, ingenuity and enthusiasm.

Science and Inventors' Fair is a one day event which allows students to show their own research or invention to series of judges. The projects can take the form of an experiment, a research paper, or an engineering project and students are asked to create a report, design a display and be prepared to present their project to the judges. The process usually begins in the classroom where the teacher is using the science fair or invention process as a means of teaching the scientific method.

When will these opportunities occur?

TechnoChallenge

Senior TechnoChallenge	May 14, 2015
Junior TechnoChallenge	May 13, 2015

*All events will be held at the
Seaforth & District Community Centre.*



TechnoChallenge Events

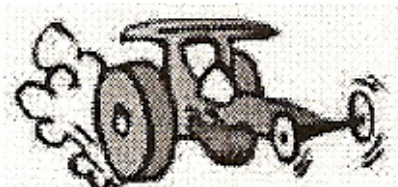
Construction Challenge

Students work in teams to create a structure utilizing limited materials within a given period of time. A team building challenge for all participants!



Vehicle Challenge

Students work in teams to construct a vehicle, utilizing limited resources within a given period of time. This challenge connects several aspects of the curriculum!



Prizes & Awards

Winners will be announced and medallions / awards will be presented after completion of all events.

School Awards

Recognition is given to the **top 3 schools**

- 1st Prize - \$150.00 to the top school overall**
- 2nd Prize - \$100.00 to the second school overall**
- 3rd Prize - \$50.00 to the third school overall**

Medallions are also awarded to each team member in a first, second, or third place team in each event.



TECHNOCHALLENGE SCHEDULE

Seaforth & District Community Centre

10:00 am – 10:30 am

Registration – One school representative picks up name tags and checks in at desk

10:30 am – 11:30 am

All events start

11:30 pm – 12:30 pm

Lunch

Participants are not allowed at event tables

Two slices of pizza and a drink per student will be provided for students who are pre-registered.

12:30 pm – 1:30 pm

Events conclude

1:30 pm – 2:00pm

Judging

2:00 pm – 2:30 pm

Afternoon Awards

Please be aware that timelines may be modified depending on event needs.



Registration

****Pre-registration is required****

- ❑ Schools can enter one team per event for every grade 6 class in their school. For example, a school with two grade 6 classes can enter two teams in the vehicle challenge and two teams in the construction challenge.

- ❑ Registration can be found online at

SciTechEncounters.ca

You will need to know student and team names to complete the registration. A partial registration can be saved and completed later.

- ❑ A password is required for the registration link. The password is **scitech**
- ❑ The link allows registration of one team for each event. To register multiple teams for schools with more than one grade 6 class, visit the link additional times.
- ❑ Fees are \$30.00 per team, per event. All events require a 3-student team.
- ❑ Make sure you clearly indicate your school on any funds sent. Please make cheques payable to: **Foundation For Enriching Education**. Cash is also acceptable.
- ❑ It is essential that an adult supervisor accompany the team(s) from your school.
- ❑ Please email Don Pottruff on FirstClass with any questions or concerns.

The online forms must be filled out no later than
May 6, 2014.



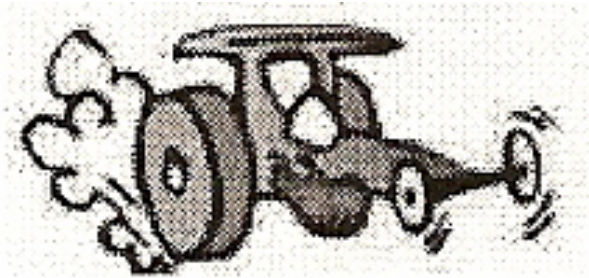
Event:
Vehicle Challenge

This is an on-site challenge that is given to the students during the afternoon of the TechnoChallenge.

Team Numbers and Composition:

One grade 6 team from each grade 6 class in a school

****3 members per team***



Event:
Construction

This is an on-site challenge that is given to the students during the TechnoChallenge. Students use their engineering and construction skills to solve the challenge presented.

Team Numbers and Composition:

One grade 6 team from each grade 6 class in a school

****3 members per team***

