



SENIOR 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 separate events:

TechnoChallenge 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

Biathlon

Two mini-events consisting of technical and science related activities. A neat competition for all students!



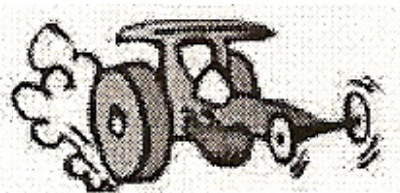
Construction Challenge

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 awards will be presented after completion of all events.



School Awards

Recognition is given to the **top 4 schools**

- 1st Prize - \$200.00 to the top school overall**
- 2nd Prize - \$150.00 to the second school overall**
- 3rd Prize - \$100.00 to the third school overall**
- 4th Prize - \$50.00 to the fourth school overall**

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



Senior TECHNOCHALLENGE SCHEDULE

Seaforth & District Community Centre

9:30 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 during this time

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

12:30 pm – 1:30 pm	Events conclude
1:30 pm – 2:00pm	Judging
2:30 pm – 3:00 pm	Afternoon Awards



Registration:

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

- 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 larger 7/8 schools or secondary schools, 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.

**These forms must be entered no later
than May 7, 2015.**



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 7/8 team for every two 7/8 classes per Elementary School

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 7/8 team for every two 7/8 classes per Elementary School

Event:
Biathlon

This is two shorter on-site challenges that are given to the students during the TechnoChallenge. Each event is scored out of 100 points with the highest overall score winning.

Team Numbers and Composition:

One Grade 7/8 team for every two 7/8 classes per Elementary School