



# WATERLOO-WELLINGTON SCIENCE & ENGINEERING FAIR GUIDELINES AND PROGRAMME 2012

Date: Tuesday, April 3, 2012      Location: Bingeman Park, Kitchener

Welcome to the 2010 Waterloo–Wellington Science and Engineering Fair. The organizers of this year's Fair hope that your visit with us will be an exciting and educational one. The programme outlined here indicates all of the activities in which you will be involved during the Fair.

## GUIDELINES:

The following guidelines are intended to help you and your fellow participants get the most out of your science fair experience.

- After your project has been set up or while you are waiting to be interviewed during the judging period, introduce yourself to the exhibitors near you. Get to know your neighbours and help each other prepare for the interviews by asking each other about your projects.
- Food and beverages are only permitted in the display area during Open House or by special permission.
- All exhibitors are expected to be respectful of other participants and visitors at all times. Activities that interfere with the operation of the fair or with other individuals are not permitted. During school visitation and open house times all exhibitors are expected to be at their projects. The use of personal entertainment devices, games or similar devices is not allowed during these times.
- You are responsible for the safety and security of your own equipment and materials. Small, valuable items should never be left on display unattended.
- You may not leave the display area at any time without permission of one of the Fair organizers or supervisors. Assistance is always available at the information desk.
- If you need to leave the Fair early or to leave and return later you must have a signed note of explanation and authorization from a guardian, parent or school official. Before exiting the Fair you must sign out at the information desk and, if returning later, sign back in again.
- Please keep in mind that while you are at the Fair you are representing your school, your family and, of course, yourself. All appropriate rules and expectations that would apply at your school or on a field trip apply here as well. Your full cooperation is expected at all times.

## PROGRAMME:

### Morning

- 7:00 - 9:00      **Registration and Project Set Up**
- 7:15 - 9:30      **Safety and Rules Check** (may be completed during judging)
- 8:55 - 9:00      **Welcome by Fair Officials**
- 9:00 - 12:00      **Judging of Exhibits** There may be long gaps between visits of the different judges who will examine your project. Talk to your neighbours and learn about each other's projects, read a book, or check out the displays around the room but let a neighbour know where you are in case a judge needs to find you.

### Junior Afternoon Program

- 12:00 - 12:30      **Lunch - Ballroom A & B.** You are responsible for bringing your own. No snacks are available for purchase at the Fair site. Please leave the lunch area tidy when you are finished.
- 12:30 - 1:30      **School Visits.** All junior exhibitors must be at their projects. We are expecting a few hundred students to be here looking for ideas for their school projects next year. Share your enthusiasm.
- 1:30 - 4:45      **Environmental Education Program**  
The afternoon environmental education program this year is titled "**We All Live Downstream**". It is important to realize that everything everyone does has an effect everywhere. Although we will visit part of the Grand River watershed on a bus tour, the notion of being downstream applies elsewhere too. You will be divided into groups which will be shown on the name tag you receive at the Fair. Once the school visitors leave at 1:25, make sure you put away any valuables at your project display. You will be called to the front in groups according to the number on your name tag. A Group Leader will take you to your first

session. A new session begins every half hour. You will take part in 3 sessions at Bingemans that should draw your attention to the interconnectedness of events on the planet. One will be watching excerpts from a video series, one will reveal startling information on the air you are breathing and the water you are drinking, and the third will be about how we can protect our most crucial resource. You will also be taken on a short bus trip with 4 stops. Unless it is raining you will get off twice to see old and new features of how people have considered their relationship with the Grand River.

You are expected to teach some of what you learned to other people after the Fair. This could mean a brief report to your class, a presentation to another class at your school, or reporting to your family.

### **Intermediate and Senior Afternoon Program**

12:00 - 12:15 Secure items at your project in anticipation of a few hundred visitors who will be touring the exhibit hall while you are away.

12:15 - 3:30 **University Tour**  
Your name tag will bear either the letter 'G', 'W', or 'L'. Some of you will go to the University of Guelph (G), some to Wilfrid Laurier University (L) and some to the University of Waterloo (W). You will be divided by your project Division and it is important that we keep groups balanced, so please, do not change groups. You will have lunch at the university with university students and learn about their research. You will then have the opportunity to see some of the laboratories in action. Keep up with your Tour Guide so you can depart on time.

3:30 - 4:30 **Dr. Richard Epp** of the Perimeter Institute for Theoretical Physics will deliver an entertaining program exclusively for secondary students in Ballroom E.

#### **Cosmic Mysteries**

What is "the universe"? From where did it come? What is our place in it?  
How does science ever begin to answer such deep questions? It is sometimes simpler than you might think.

About Richard Epp  
Richard Epp has a Masters Degree in Electrical Engineering

and a PhD Degree in Theoretical Physics, and has held postdoctoral research positions around the world working in General Relativity - Einstein's theory of space, time and gravity. With both an engineering and a theoretical physics background, Dr. Epp is knowledgeable and enthusiastic about the entire spectrum of physics, from curiosity-driven research in quantum gravity to the applied physics of how a cell phone works. He has extensive outreach experiences, having originated many of PI's outreach initiatives, and immensely enjoys introducing people of all ages to the mysteries and wonders of our amazing universe.

4:45 - 5:15 **Dinner** provided by the Fair

5:15 - 5:30 **Final Preparations for Open House**

5:30 - 7:00 **Open House** You are expected to remain with your project and to invite visitors to inspect and inquire about your project. During this time some photographs may be taken and the judging summary forms will be distributed, it is important that all students be at their projects at this time.

7:15 - 8:30 **Awards Ceremony** Ballroom

8:30 - 8:45 **Project Take Down and Departure**

8:45 - 9:30 **Canada-Wide Participants' Meeting**

### **Some suggestions about what to bring to the fair:**

- The project itself, some tape, scissors, glue, etc. for repairs.
- **Your own water bottle and enough water to last you all day.** Bingemans does not have water fountains.
- Snacks if you want them.
- A few copies of your report. Someone may want a copy.
- You may have to wait for judges so bring something quiet to entertain yourself.
- The afternoon program involves tours so bring clothes and **appropriate footwear** for going outside.

### Information for Chaperones and Visitors

- Chaperones and Visitors are not allowed in the exhibit hall during judging in the morning, from about 9:00 am until the students go for lunch around 12:00 pm and for security reasons, no people, other than fair officials, are allowed in the judging hall while the students are away from their projects at the afternoon program, from about 1:30 pm until 4:30 pm
- Chaperones are welcome to attend the afternoon program, and all further activities, with the students.
- There will be a waiting/working area separate from the exhibit hall.
- Visitors should bring their own noon lunch, and evening meal. Chaperones may eat with the students.
- If you have questions, or want to assist with the fair, please talk to the people at the information desk

### Fair Management Rules

- The organizing committee of the Waterloo-Wellington Science and Engineering Fair reserves the right to assign available display space to exhibitors, and to exclude dangerous exhibits.
- Exhibitors must stay with their displays during the hours the Fair is open to the public unless prior arrangements have been made with the Fair Director.
- While every effort will be made to prevent damage or theft, neither the Fair nor any sponsoring organizations can accept responsibility for loss or damage to any exhibit and/or personal property.
- Disqualification of an exhibit/exhibitor for any infraction of rules or inappropriate behaviour will be at the discretion of the Fair Officials.

### Transportation Policy

- The WWSEF **does not** arrange transportation to the fair.
- The WWSEF **may** arrange for busing for students from more distant Upper Grand District schools such as Orangeville, Erin, and Rockwood, or Mount Forest, and Palmerston.
- All busing plans are **tentative** until applications are received. There **must be sufficient participants** from an area to warrant the expense of sending a bus.
- The WWSEF provides the **bus only**. Schools must make their own arrangements to provide adequate supervision.
- The bus will only run on the morning of the Fair. Students, their families and/or teachers will need to arrange evening transportation after the fair closes.

Questions concerning transportation should be directed to the Deputy Director Jim Forsyth.

### HOW TO GET THERE!

After turning north from Victoria St., you are on Bingemans Centre Drive. Follow the signs along the road (yellow line on upper map).

Your final turn is left into the parking lot behind Marshall Hall.

Marshall Hall is on your Right.

