



# WATERLOO-WELLINGTON SCIENCE & ENGINEERING FAIR

Date: Tuesday, April 3, 2018

Location: Bingemans, Kitchener

## FAIR DAY GUIDELINES AND PROGRAMME 2018

Welcome to the Waterloo–Wellington Science and Engineering Fair! The organizers of this year’s Fair hope that your visit with us will be exciting and educational. 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.
- 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 the 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 this time.
- 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

### FAIR DAY SCHEDULE:

#### MORNING

7:00 - 9:00

**Registration and Project Set Up**

7:15 - 9:30

**Safety and Rules Check**

(this 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. If you are leaving your exhibit area, let a neighbour know where you are in case a judge needs to find you.

#### JUNIOR AFTERNOON PROGRAMME

12:00 - 12:35

Lunch in Ballroom A & B. You are responsible for having your own lunch. Bring any items that need safe storage to the information desk.

12:45

Get on Buses

1:00 - 4:30

The environmental education program this year has 2 components.

One is Energize: Sustainable City Challenge. This simulation asks participants to plan how our community will reduce its greenhouse gas (GHG) production by 80% over the next 32 years. What are the most effective or affordable ways to do this? How will it change how we live?

The second component is a short bus trip to the Mannheim Water Treatment Plant where river water is prepared for our use. While at Bingemans, you will be in three different sessions. Please be attentive to the people who have volunteered their time to share their expertise with you.

After lunch, wait at your exhibit until your Activity Group (as indicated on your name tag) is called to the front. You won't be back at your project until 4:30. Bring your coat, hat, personal items, etc. with you.

**After the Fair you are expected to share some of what you learned with other people. Your teacher might ask you to report to your class, or other kids at school. You might just tell your family something they don't yet know.**

### **INTERMEDIATE and SENIOR AFTERNOON PROGRAMME**

- 12:15 to 12:30 Tidy up your project and prepare to leave. Bring any items that need safe storage to the information desk. Bring your coat etc. as you won't be allowed back to your project until 4:30. Wait by your exhibit until your group is called to the front. Your Group is designated on your nametag: G (Guelph). You cannot change groups. Leaders will stay with you
- 12:30 - 3:30 You will have lunch at your destination with university students. Take time to ask them about their research - maybe they're doing something you're interested in, or maybe your project interests them. After that you will have the opportunity to learn a bit of what might be in your future.
- 3:30 to 4:30 When you return to Bingemans, go directly to Ballroom E. There you will be treated to a presentation by Dr. Damian Pope from the Perimeter Institute, which is one of the world's coolest institutes for theoretical physics. Dr. Pope's research area for his PhD was in the area of quantum information. While at the Perimeter Institute he led the creation of The Mystery of Dark Matter, a popular video.
- Dr. Pope's presentation will be about Black Holes. Black holes are perhaps the most mysterious objects in the entire universe. They are regions of space where gravity is so strong that nothing - not even light - can escape. Around black holes, time itself slows down and they may even be gateways to other universes. This talk will introduce the topic of black holes, how scientists are poised to revolutionize their understanding of them, and how they give off a special type of wave called a gravitational wave that Einstein himself predicted over 100 years ago.

### **EVENING PROGRAMME**

- 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:**

- Some tape, scissors, glue, etc. for repairs to your project.
- **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.

## 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 12:15 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 1:00 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 Lois Peterson.

## HOW TO GET TO THE FAIR (see map below)

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.

