

**StFX-CMS Math Camp Grades 10 and 11**  
**St. Francis Xavier University**  
**May 18-20, 2018**

**Schedule**

**Friday May 18**

- 9:15-9:45 Arrival & check-in (MacIsaac Hall)  
9:55-10:00 Opening Remarks, Dr. Petra Hauf, Dean of Science  
10:00-10:20 Icebreaker  
10:20-11:10 *Numbers and Shapes*, Dr. Ping Zhou  
11:10-12:10 Team Problem Solving (Photo session; Group photo before lunch - Blaise MacMullin, 11:15-12:10)  
12:10-1:00 Lunch (Morrison Dining Hall – Reserved Seating in My Kitchen/Priest’s Dining Hall)  
1:00-2:00 *Mathematics in the world around us*, Dr. Ryan Lukeman  
2:00-2:15 Break  
2:15-3:15 Math Relays  
3:15-4:00 Student Panel, Mr. Keegan MacNeil (MSB 147)  
4:00-4:45 Campus Tour  
4:45-5:30 Technology Demonstration  
5:30-7:00 Pizza Party (MacIsaac Hall 2<sup>nd</sup> Floor Lounge)  
7:00-10:00 Dodgeball (Auxiliary Gym, Oland Centre: 7-9pm) and Games Night (MacIsaac Hall 2<sup>nd</sup> Floor Lounge)

**Saturday May 19**

- 8:00-9:00 Breakfast (Morrison Dining Hall – Reserved Seating in My Kitchen/Priest’s Dining Hall)  
9:00-10:00 Team Problem Solving  
10:00-10:15 Break  
10:15-11:45 *Exploring Computer Science*, Dr. Iker Gondra/Dr. J. Levman/ Dr. M. Lin.  
11:45-12:15 Activity – Computer Science  
12:15-1:05 Lunch (Morrison Dining Hall – Reserved Seating in My Kitchen/Priest’s Dining Hall)  
1:10-2:10 *Surprising Connections in Math: From the Golden Ratio to Fractals*, Dr. Tara Taylor  
2:10-3:20 Math Relays  
3:20-3:30 Break  
3:30-4:30 *Infinite Polynomials and some Special Functions*, Dr. Robert van den Hoogen  
4:30-5:30 Polyhedra and Euler’s Formula  
5:30-6:30 Dinner (Morrison Dining Hall – Reserved Seating in My Kitchen/Priest’s Dining Hall)  
6:30-7:00 Free Time  
7:00-10:00 Math Trivia and Movies (MacIsaac Hall 2<sup>nd</sup> Floor Lounge)

**Sunday May 20**

- 8:00-9:00 Breakfast (Morrison Dining Hall – Reserved Seating in My Kitchen/Priest’s Dining Hall)  
9:00-10:00 *What are the chances?* Dr. Derrick Lee  
10:00-11:00 Team Problem Solving  
11:00-11:30 Feedback Session/Awards  
11:30 Departure (MacIsaac Hall)

**Note:** Except where otherwise noted, activities take place in Mount Saint Bernard S225.

**Sponsored by:** Canadian Mathematical Society (CMS), StFX University (Dean of Science, Department of Mathematics, Statistics and Computer Science, Recruitment and Admissions), Atlantic Association for Research in the Mathematical Sciences (AARMS), Science Odyssey.

**Organizers:** Dr. Joe Apaloo, Dr. Tara Taylor, Dr. Robert van den Hoogen, Dr. Ping Zhou