

**StFX-CMS Math Camp Grades 10 and 11**  
**St. Francis Xavier University**  
**May 19-21, 2017**

**Schedule**

**Friday May 19**

- 8:45-9:30 Arrival & check-in (StFX Bishops Hall)  
9:45-9:55 Opening Remarks, Dr. Kevin Wamsley, Academic Vice President and Provost  
9:55-10:55 *Surprising Connections in Math: From the Golden Ratio to Fractals*, Dr. Tara Taylor  
10:55-11:10 Icebreaker  
11:10-12:10 Team Problem Solving (Photo session; Group photo before lunch - Blaise MacMullin, 11-12:30)  
12:10-1:00 Lunch (Morrison Dining Hall – Reserved Seating in My Kitchen/Priest’s Dining Hall)  
1:00-2:00 *Mathematics as a tool to understand the world around us*, Dr. Ryan Lukeman  
2:00-2:15 Break  
2:15-3:15 Math Relays  
3:15-4:15 Student Panel, Mr. Justin Fox (Coady 242)  
4:15-5:30 Campus Tour  
5:30-7:00 Pizza Party (Bishops Hall 2<sup>nd</sup> Floor Lounge)  
7:00-10:00 Dodgeball (Auxiliary Gym, Oland Centre: 7-9pm) and Games Night (Bishops Hall 2<sup>nd</sup> Floor Lounge)

**Saturday May 20**

- 8:00-9:00 Breakfast (Morrison Dining Hall – 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. 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 *What the elders already knew: Aboriginal Knowledge and Mathematics*, Dr. Lisa Lunney Borden  
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 (Bishops Hall 2<sup>nd</sup> Floor Lounge)

**Sunday May 21**

- 8:00-9:00 Breakfast (Morrison Dining Hall – My Kitchen/Priest’s Dining Hall)  
9:00-10:00 *Medical Imaging Bioinformatics*, Dr. Jacob Levman  
10:00-11:00 Team Problem Solving  
11:00-11:30 Feedback Session/Awards  
11:30 Departure (Bishops Hall)

**Note:** Except where noted otherwise, activities take place in Physical Sciences Complex room 3046.

**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).

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