Technovation 2020
Information Session
Your Technovation 2020 Team

- Dr. Lora Oehlberg – Technovation Regional Ambassador, Assistant Professor Computer Science
- Dr. Christine Sharp – Strategic Partnership Specialist, Faculty of Science
- Leanne Bui – Technovation Assistant and Alumni
- Dr. Steven Vamosi – Associate Dean, Diversity, Equity, & Inclusion
- Ashleye Tremblay – Events Coordinator, Faculty of Science
NATURE  DESIGN

Flickr: Keith Cuddeback  Flickr: Swissrock
computer scientists control how technology appears and behaves.
computer scientists control how technology appears and behaves.
How might a mobile phone app help someone?
How might a mobile phone app change someone’s life?
How can I create a mobile phone app change someone’s life?
How can I create a mobile phone app that can change someone’s life?

What problem solving skills and techniques can I learn to create the future?
What is Technovation?

Mission

• Empower girls and families to identify community problems and create tech and engineering solutions that develop their leadership and creative problem-solving skills
WE ARE CHANGING THE WORLD THROUGH TECHNOLOGY

Volunteers trained as mentors and program facilitators

Young people and parents served to-date worldwide

130K

14K
Life After Technovation

Technovation 2017
The Technovation 2020 Program
Girls

• As a Technovation Girl, your team will...

  • **Identify a problem** in your community

  • **Learn to code and create an app** to solve that problem with support from your mentor – you don't need to know how to code to participate!
Mentors

• As a Technovation Girls Mentor, you will

  • Help a team of girls as they create apps to solve community problems
  • Volunteer 50 hours over 6 months to support your teams
  • Coordinate meeting times with your teams
  • Be willing to learn alongside the students and help them through the problem solving process and the curriculum

*If you aren't able to make this time commitment, consider becoming a judge.*
Parents

• As a Technovation Girls parent, you will...

  • Support your daughter and her teammates!
  • Provide additional encouragement and help – for instance, you can provide a safe space for your daughter and her team to work, connect teams with experts from your professional network, and be an open ear to help them talk through challenges they're encountering.
Team Formation

• Teams are composed of 1 to 5 girls.

• Divisions are based on the age of the oldest student on the team
  • Junior Division: 10-14 years as of August 1, 2020
  • Senior Division: 15-18 years as of August 1, 2020

• Most teams meet at schools and are facilitated by school teachers. In some cases, parents and other community leaders facilitate teams.
Team Meetups

• Teachers and parents decide on time and location
• Mentors in your bio put your availability and city quadrant
• The Faculty of Science is not facilitating the team & mentor matching/team meeting schedule

• All communications via slack
• Online mentorship using skype/google hangouts
Registration

• Every individual student/mentor needs to register in order to join a team and submit.

• **Steps to register:**
  • Go to [http://technovationchallenge.org/](http://technovationchallenge.org/)
  • Click on Sign-up
  • Create an account and follow the instructions to complete your profile
Technovation Curriculum

• Link to current curriculum
Key Dates

- **October 10, 2019** - Registration Opens
- **January 14, 2020** - Official Season Starts
- **March 16, 2020** - Last Day to Register
- **April 13, 2020** - Submissions Due (7pm UTC)
- **Mid-April - May 2020** - First Round of Judging (RPEs and virtual)
- **June 2020** - Semifinals Judging (virtual only)
- **August 2020** - World Pitch
Online Program

SUGGESTED MILESTONES

- **October 10, 2019**
  Registration Opens (11pm UTC)
  Sign up on my.technovationchallenge.org

- **January 14, 2020**
  Official Start of Season!
  Form teams, start brainstorming, and plan your season!

- **February 13, 2020**
  Finish ideation: Settle on an idea and finish your project canvas

- **March 5, 2020**
  Finish your business model and create your logo

- **March 12, 2020**
  Start coding your app & storyboarding your pitch

- **March 28, 2020**
  Senior Division Only
  Start work on your Business Plan

**Submission Deadline**
8pm UTC

- **April 13, 2020**
  Leave time to debug your app

- **April 8, 2020**
  Start finalizing all your materials for your submission

- **April 13, 2020**
  Mid April – Mid May 2020
  Regional Pitch Events & Online Judging

- **Early June 2020**
  Semifinals Judging
  (judging takes place online)

- **August 2020**
  World Pitch Summit
  (Selected teams)

- **May 2020**
  Debrief and Celebrate!
  Please fill out post-program surveys.
Submission Requirements

1. Pitch video (3-5 min)
2. App name & 100-word description
3. Team photo and summary
4. Source code
5. Two app screenshots
6. 5-page business plan PDF (senior team only)
7. Pitch presentation and trifold (at the regional pitch event only)
Faculty of Science Support Program

- Designed to supplement the Technovation online program
- Optional
- Registration-based
- If possible, workshops will be recorded and all content will be put online after the event
Information Session
Wednesday October 2, 2019 6:00pm – 8:00pm
Ideation Workshop
Wednesday November 13, 2019 6:00pm – 8:00pm

- Brainstorming community issues
- Understanding their market and customers
- It is strongly recommended that you attend this workshop with at least 1 other member of your team to work through the ideation process
App Inventor I Workshop
Saturday November 30, 2019 9:00am – 12:00pm

- Get familiar with the App Inventor program that you will use to build your app
- No prior experience is necessary
- Can attend individually or as a team
Ideation Workshop
Saturday January 18, 2020 9:00am – 12:00pm
- A duplication of the November program

App Inventor I Workshop
Saturday January 18, 2020 1:00pm – 4:00pm
- A duplication of the November program
App Inventor I Workshop  
Saturday February 8, 2020 9:00am – 12:00pm  
- A duplication of the November program

App Inventor II Workshop  
Saturday February 8, 2020 1:00pm – 4:00pm  
- Covers more advanced topics in App Inventor  
- Must have completed App Inventor II to attend  
- Girls can attend individually or as a team
Drop-in Session I
Wed March 4, 2020 6:00pm – 8:00pm

• Bring your team to work from the University of Calgary! We'll have people on-hand who can help you with coding or process questions

Drop-in Session II
Tuesday March 10, 2020 6:00pm – 8:00pm

• Bring your team to work from the University of Calgary! We'll have people on-hand who can help you with coding or process questions
How to Pitch Workshop
Wed March 4, 2020 6:00pm – 8:00pm

- Learn how to create and give pitch presentations
- Guest mentors will be available for feedback on your practice pitches
- Learn strategies to overcome anxiety
Drop-in Session III
Wed April 1, 2020 6:00pm – 8:00pm

• Bring your team to work from the University of Calgary! We'll have people on-hand who can help you with coding, business plan, pitching, and video editing.
Online Submission Deadline
Monday April 13, 2020 7:00pm UTC (1:00pm MST)

- Submission due to Technovation via the online platform
Regional Pitch Competition
Saturday May 2, 2020 9:00am – 5:00pm

- At the Calgary Central Library
- Pitch presentations will occur in the performance hall
- Demonstration tables will be in the welcome galley
- Open to the public and part of Science Odyssey Week
Faculty of Science Support Program

• Registration for Faculty of Science events will be released in blocks by month, at minimum 2 weeks before the 1st event in that month
  • e.g. registration email for the Nov 13 ideation and Nov 30 app inventor I will be sent by Oct 30

• UCalgary campus events require an informed consent form signed by the parents (for bringing youth to campus and accessing the internet)
  • Will be signed electronically upon registering for the first event
Next Steps

• Girls, parents, and teachers, form a team!
• Teams and mentors, register online at technovationchallenge.org
• Teams find a mentor
• Start working through the curriculum
• Register for the Faculty of Science’s support programs
• Information Session video and slides will be posted online
• Program email: yyctechnovation@ucalgary.ca
Thank you!

TECHNOVATION 2020
Information Session

yyctechnovation@ucalgary.ca