

## What teachers are saying:

"My students were engaged and enchanted!"

"The experiments were interesting and also helpful to me. We had fun, and I learned a bit more — and every bit counts!"

"It was said around the community that the girls were willing to go 'above and beyond' to help the kids in the school."

"This is a truly valuable program. Spending time with the Ambassadors has opened a world of possibilities and dreams for my students."



"The Science Ambassador Program is a much different outreach project because it is based on STEM people building strong relationships with Indigenous students and their science teachers... An Indigenous perspective and focus on a relational world was taken seriously in planning the Science Ambassador Program. It is a model of culturally appropriate STEM programming."

— Dr. Glen Aikenhead<sup>1</sup>

<sup>1</sup>STEM Education & Related Employment for Indigenous Students and Citizens of Saskatchewan:2012

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Reports &  
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Online!



## Give us a Call!

The Science Ambassador Program  
C/O Office of Science Outreach  
109 McLean Hall  
106 Wiggins Road  
Saskatoon, SK, S7N 5E6

Tel: (306) 966-1448

Fax: (306) 966-6068

Email: [sci.ambassadors@usask.ca](mailto:sci.ambassadors@usask.ca)

[artsandscience.usask.ca/scienceoutreach/](http://artsandscience.usask.ca/scienceoutreach/)

The Science Ambassador Program is offered by

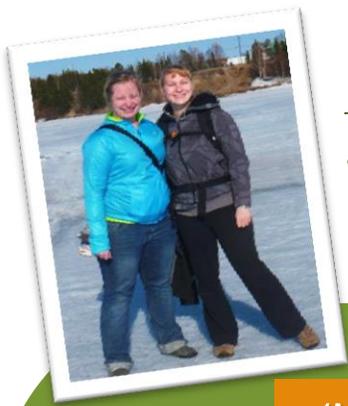


Division of Science, College of Arts & Science  
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## We thank our sponsors!



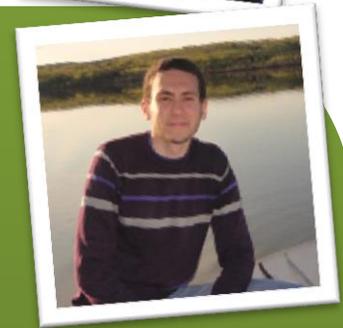
[artsandscience.usask.ca/scienceoutreach/](http://artsandscience.usask.ca/scienceoutreach/)



**Our Science Ambassadors:**  
Candace (B. Eng.) and Taryn (B.Sc. Toxicology, Secondary Ed.) spent five weeks at Wollaston Lake, SK, organizing hands-on science activities for K-10 students and connecting with Dene culture – making the curriculum concrete!



**Our Science Ambassadors:**  
Mohamed (M.Sc. Physics) & Sanjie (M.Sc. Agriculture & Bioscience) spent six weeks at Fond du Lac, SK, mentoring senior students, demonstrating science concepts in K-12 classrooms, and facilitating a school-wide science fair!



## 'Making Science Fun & Relevant, One Community at a Time!'

### Why we do it:

There has been a steady increase in the First Nations and Métis peoples in science, technology, engineering and mathematics (STEM) but these students and professionals remain under-represented compared to their demographic importance.

The Science Ambassador Program enhances science teaching and learning in remote Aboriginal communities by providing hands-on support – our Science Ambassadors work alongside teachers to lead hands-on demonstrations and experiments, facilitate class discussions, connect to community cultural priorities, and mentor students exploring possibilities for careers and continuing education



### Our Goals:

- to provide fun and engaging science experiences to teachers and students;
- to form learning partnerships with teachers, schools, and communities;
- to have Science Ambassadors serve as role models to younger generations;
- to engage schools and post-secondary institutions in dialogue to enhance science education overall;
- and to broaden the pool of future U of S students. and homegrown STEM professionals!

### Placement Details

A key difference between our program and other approaches to science outreach is the length of time that our Science Ambassadors spend in the community, 4-6 weeks over a school year. We strive to build meaningful connections between the Science Ambassadors' activities and community priorities, and to establish long-term relationships with the University of Saskatchewan.

### Points to consider...

- Would students and teachers in your community benefit from access to expertise in science and engineering, and mentorship regarding post-secondary opportunities?
- Would your broader community be supportive of hosting Science Ambassadors?
- Is a local contact person able to communicate regularly with the Science Ambassador Program and staff as an 'on the ground' facilitator?
- Do you have the funds and facilities to host Science Ambassadors by providing room and board for a 4-6 week period?

If the answers are YES! please contact us regarding possibilities for your community's participation in the Science Ambassador Program!

#### A Teacher's Perspective:

"The activities were inquiry based, hands on, questioning, investigation – I loved that my students got to watch the older students' demonstrations at science fair – something to look forward to!"

#### A Teacher's Perspective:

"You guys are awesome. You guys represent change, motivation, inspiration to our students. Encouraging students to take science subjects has not been easy, but this is another way to doing it. – and the connection was very phenomenal."