

TEACHERS' WORKSHOP

Connecting science education with science research

JULY 17-19, 2019



FEATURED SPEAKERS:



Andrea Regier

Science teacher at Bishop James Mahoney (BJM) High School and winner of the Prime Minister's Award for Teaching Excellence

From creative games and music in the classroom, to challenging educational experiences in state-of-the-art research facilities like the Canadian Light Source (CLS), Andrea has her students reaching great heights. She is the lead teacher for BJM's new

Health & Sciences Academy in Saskatoon, SK, a unique program where students immerse themselves in health sciences through specialized classes and several community partnerships. Our partnership uses the synchrotron at CLS and related research as context for concepts students explore in Saskatchewan's Physical Sciences 20 Curriculum. This integrated approach is a feature of CLS' upcoming Workshop for Teachers.

Information collected from <https://www.ic.gc.ca/eic/site/pmte-ppmee.nsf/eng/wz02248.html> and <https://thestarphoenix.com/news/local-news/saskatoon-teacher-takes-home-national-award-for-teaching-excellence>



Karen Tanino

(far right)

Professor in Plant Sciences in the College of Agriculture & Bioresources at the University of Saskatchewan

With a theme of Food Security and Plant Sciences, Karen's research specialization in the interactions of plants with their environment including reactions to cold and drought stress is a perfect match and her dedication to her students make her a perfect featured speaker. She recently teamed with CLS to develop a simple non-destructive method to screen hundreds of wheat leaf samples in a day. She will present current research and we will explore how that research can be connected to concepts in several different STEM curricula.

Information collected from

https://www.lightsource.ca/news/details/new_screening_technique_will_allow_crop_breeders_to_develop_drought_resistant_varieties_faster.html, http://cwse-prairies.ca/pages/prairie-wise/long_bios/Karen_Tanino.php and <https://agbio.usask.ca/faculty-and-staff/people-pages/karen-tanino.php#Department>