

You've read the guide and now want to bring your students to the world of synchrotron science? The CLS has several excellent outreach opportunities for teachers, middle years and high school students.

Tours are a very popular way to introduce students (primarily from Saskatchewan, but we've also hosted students from Manitoba and Alberta) to synchrotron research. In 2008, 1433 students visited our facility. Tours explain how the machine works and present several applications from many scientific disciplines including geology, archaeology, biochemistry, physics, forensic and more. We are happy to tailor the examples to fit into the unit that you are teaching. Tours depend on availability of tour guides, so ensure to call us a couple of weeks before your ideal tour date.

If you are unable to bring your students into the facility, and/or would like to develop a distance learning opportunity, contact us about **Video Conferencing**. This opportunity allows a researcher or engineer to "visit" your classroom, or allows your students access to our facility. As this is a new opportunity for us, we are eager to work with you to develop programmes that work in the classroom.

There is an exciting new initiative through the Canadian Light Source called **Science on Stage Canada (SoSC)**. SoSC celebrates and supports excellence in science teaching. This one of a kind Canadian festival is modelled after the successful European festival. Professional development, pedagogical discussions, and a science teaching fair are woven together to help facilitate innovation and national collaboration.

Science on Stage Canada opens the possibility for your students to participate in the **Students' on the Beamlines** programme. This program enables your students to propose and conduct their own experiment at the CLS in collaboration with our beamline staff. Students experience every facet of research from experiment design to data analysis and reporting through academic conferences and articles – an experience of a lifetime!