



EDUCATION  
PROGRAMS

Grade 7 Educators:

We invite you to join us for the in-museum program:



Saskatchewan  
Environmental  
Society

# Smarter Science Better Buildings

Western Development Museum -  
Moose Jaw

March 1 - 11, 2022



SMARTER SCIENCE  
BETTER BUILDINGS  
HAS BEEN  
DEVELOPED  
COLLABORATIVELY BY  
THE SASKATCHEWAN  
ENVIRONMENTAL  
SOCIETY AND THE  
WDM WITH  
ASSISTANCE FROM  
VERECO HOMES,  
SASKATOON PUBLIC  
SCHOOL DIVISION,  
AND SUN RIDGE  
RESIDENTIAL.

**WHAT:**

*Smarter Science Better Buildings* is a two-hour, hands-on program that allows students to explore the concepts of heat and temperature through the practical application of making our homes more energy efficient. Students explore workstations that focus on:

- Energy efficient lighting and appliances
- Water conservation
- Home retrofits
- Building materials
- Solar heating
- A model of a net zero (produces as much energy as it consumes) home allows students to examine how all these concepts fit together into a home that is both livable and very energy efficient

Students also tour Museum exhibits related to sustainable living (homes, transportation, etc.)

This is a Museum-led program. Students will be introduced to the concept of designing their own energy efficient building. Curriculum connections are included below. For more program details visit:

[wdm.ca/for\\_teachers/smarter-science-better-buildings](http://wdm.ca/for_teachers/smarter-science-better-buildings)

Educators can learn more at an educator in-service held via Zoom on Thursday, February 17 at 4:00 pm.

**WHERE:** Western Development Museum - Moose Jaw

**WHEN:** Starting March 1, Tuesdays through Fridays, until March 11. One session is available per day and can be booked between 10:00 am - 3:00 pm.

**To Register:**

For more information or to register, contact Karla at [moosejaw.ed@wdm.ca](mailto:moosejaw.ed@wdm.ca).

**Program Cost:** \$3.50 per student

**Want subsidized bussing to the WDM for the *Smarter Science Better Buildings* program?**

Register by February 10 to be eligible for a grant program from the Saskatchewan Environmental Society, SaskEnergy and Prince Albert and Area Community Foundation that will reimburse bussing costs for approved schools. Teachers/schools are responsible for contacting transportation companies and booking their own bus. Schools will be notified of approval by February 18.



THE SMARTER  
SCIENCE BETTER  
BUILDINGS  
PROGRAM BRINGS  
THE GRADE 7  
SCIENCE  
CURRICULUM TO LIFE  
FOR MY  
STUDENTS. THANKS  
TO THIS PROGRAM,  
STUDENTS HAVE THE  
BACKGROUND  
KNOWLEDGE TO ASK  
HIGHER-LEVEL  
QUESTIONS WHEN  
DESIGNING THEIR  
OWN ENERGY  
EFFICIENT  
BUILDINGS.

- 2018 TEACHER

Curriculum Connections

Science 7:

Physical Science - Heat and Temperature:

HT 7.1 Assess the impact of past and current heating and cooling technologies related to food, clothing and shelter on self, society and the environment.

Life Science: Interactions with the Ecosystem

IE 7.4 Analyze how ecosystems change in response to natural and human influences and propose actions to reduce the impact of human behaviour on a specific ecosystem.

Science 7: Pearson Saskatchewan Science 7: Big Idea 5.0 Traditional knowledge and practices have been used to produce clothing and shelter (p.224-231)

Integration with other subjects

Social Studies 7:

IN7.2 Examine the effects of globalization on the lives of people in Canada and in circumpolar and Pacific Rim countries.

IN7.3 Analyze the relationship of technology to globalization.

RW7.2 Investigate the influence of resources upon economic conditions of peoples in circumpolar and Pacific Rim countries.

RW7.3 Assess the ecological stewardship of economies of Canada and the circumpolar and Pacific Rim countries.

English Language Arts 7:

CC7.1 Create various visual, oral, written, and multimedia (including digital) texts that explore identity (e.g., Exploring Thoughts, Feelings and Ideas), social responsibility (e.g., Taking Action), and efficacy (e.g., Building a Better World).

Arts Education 7:

CP7.12 Use image-making skills, tools techniques, and problem-solving abilities in a variety of visual art media.

Mathematics 7:

SP7.2 Demonstrate an understanding of circle graphs.

P7.1 Demonstrate an understanding of the relationships between oral and written patterns, graphs and linear relations.