



**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**

February 26 - March 10, 2026



Curriculum Connections:

Science HT7.1

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

Science HT7.3

Investigate principles and applications of heat transfer via the processes of conduction, convection, and radiation.

Science IE7.4

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.

Social Studies IN7.1

Investigate examples of conflict, cooperation, and interdependence between Canada and circumpolar and Pacific Rim countries.

Social Studies IN7.2

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

Social Studies IN7.3

Analyze the relationship of technology to globalization.

Smarter Science Better Buildings allows students to explore the concepts of heat and temperature through the practical application of making our homes more energy efficient. Students will be introduced to the concept of designing their own energy efficient building through informational workstations which focus on:

- Energy efficient lighting and appliances
- Water conservation
- Home retrofits
- Heating and cooling
- Solar
- 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.

The workstation portion of the program is approximately one hour in length, with students spending about eight minutes at each station. Please divide your class into six groups in advance of your visit.

Students will also explore Museum exhibits related to sustainable living (homes, transportation, etc.) and complete an accompanying worksheet with investigative questions. This portion of the visit is approximately one hour in length.

This program was developed through a partnership between the Saskatchewan Environmental Society and the WDM with assistance from the Saskatoon Public School Division, Vereco Homes, Sun Ridge Residential and sponsored in part by SaskEnergy and SaskPower.

A **bus transportation subsidy** sponsored by SaskEnergy is available to select schools attending the Smarter Science Better Buildings program at the WDM. Please indicate your interest in the bus subsidy at time of booking. SES will contact you directly regarding your eligibility. Educators/schools are responsible for contacting transportation companies and booking their own bus. Please direct any questions regarding the subsidy program to Amber Burton at SES: email amberb@environmentalsociety.ca or call 306-665-1915.



Curriculum Connections:

English Language Arts CC7.1

Create various visual, oral, written, and multimedia, texts that explore identity, social responsibility and efficacy.

Arts Education CP7.12

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

Math P7.1

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

Math SP7.2

Demonstrate an understanding of circle graphs.

"I loved the way the activities coordinated, combining a variety of sciences together into one practical and relevant real life problem to solve. I am trying to convince my students that their Science studies are relevant for solving real world problems; This program helps them see applications, and that all the sciences often work together, overlap and mingle."

- 2023 Teacher

Program Availability:

The program will be available for scheduled bookings from Tuesday - Friday between February 26 - March 10, 2026.

Program Times: Sessions can be booked between 9:30 am - 3:00 pm.

Program Length: This program takes approximately two hours to complete. A chaperone-supervised visit within the Museum galleries is included in the program cost and groups are encouraged to schedule their departure to account for any additional time wanted in the galleries (i.e. schedule a three hour visit).

Program Cost: \$4.50 per student

Chaperone Ratio: Groups are expected to provide chaperones (including teachers) at a ratio of 1 adult per 5 students. Chaperones are admitted free of charge. Support staff and chaperones for students with significant needs are permitted at a 1:1 ratio at no additional charge. Admission for additional adults beyond the required number is \$12 each.

Visiting with multiple classes: It is possible for two classes from the same school (up to 60 students) to participate in this program back to back. One class will participate in the hands-on work station portion of the program led by Museum staff while the other class explores the Museum galleries with their chaperones completing their worksheets, and then the classes will switch. Both classes may book together, but must indicate the name and contact information of all educators that will be attending on their joint booking.

How To Book: Visit our booking sheet at

https://wdm.ca/for_teachers/smarter-science-better-buildings/