



**EDUCATION
PROGRAMS**



**Saskatchewan
Environmental
Society**

Grade 7 Educators:

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

Smarter Science Better Buildings

Western Development Museum -
Saskatoon

January 25 - February 18, 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.**

**SPONSORED BY
SASKENERGY AND
SASKPOWER.**

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:

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

Educators can learn more at a teacher in-service held via Zoom on Tuesday, January 11 at 4:00 pm.

WHERE: Western Development Museum - Saskatoon

WHEN: Starting January 25, Tuesdays through Fridays, until February 18 (one class per session).

Morning program: 9:30 - 11:30 am Afternoon program: 12:45 - 2:45 pm

To Register:

For more information or to register, contact Courtney at 306-931-1910 or ctuck@wdm.ca.

Program Cost: \$3.50 per student

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

Register by January 3 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 January 11.



**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.