

2019-2020 SCHOOL YEAR

Agriculture in the Classroom



K-12

Educational Program & Resource Guide



INNOVATIVE
Programs




EXPERIENTIAL
Learning



CURRICULUM-BASED
Resources

Connecting kids & agriculture



Order **FREE** resources and
find program information at:
www.aitc.sk.ca

Agriculture in the Classroom Saskatchewan
provides curriculum-based resources and
programs to help connect students and agriculture.

We ensure our information is
ACCURATE, BALANCED, CURRENT, AND SCIENCE-BASED.

RESOURCE KEY



Lesson Plan



Instructional Resource



Storybook



Informational Resource



Learning Kit



Available in French



Elementary



IN-SCHOOL PROGRAMS

Little Green Thumbs

Province-wide

GRADES 3 TO 6 • YEAR-ROUND

An indoor classroom gardening program that creates dynamic learning opportunities for teachers and students by growing food in their classrooms. Gardens are living laboratories, a place where students can apply and learn real-life STEM (Science- Technology- Engineering- Math) skills while fostering critical thinking, communication, collaboration and creativity. Applications open March 2020.

Little Green Sprouts

Province-wide

GRADES K TO 2 • YEAR-ROUND

Not enough space or time for a big classroom garden? Little Green Sprouts may be the perfect program for your class. In just a few weeks, your students will plant, grow, harvest and eat micro-greens! Applications open January 2020.

Classroom Presentations

Province-wide

GRADES 1 TO 6 • YEAR-ROUND

Can't get your class out to one of our out-of-school programs or want to supplement a program or lesson plan with additional activities? Visit our website to learn more about hands-on, curriculum-based presentations offered in your area.

"The presentation was very interactive. Students were excited and involved in the entire process. They were answering questions and eager to help throughout!"

- TANIS SANDERCOCK,
YORKDALE CENTRAL SCHOOL



Canadian Agriculture Literacy Month

Province-wide

GRADES 1 TO 6 • MARCH

How do farmers decide which crop to grow? Why are some eggs brown? Where do cows sleep in winter? If your students have questions about farming, let us help coordinate a classroom visit from a farmer or agricultural representative. Volunteers will read a book or do an activity and share their personal agriculture story. Register by January 24, 2020.



OUT-OF-SCHOOL PROGRAMS

Food Farms

Kindersley, Melfort, Moose Jaw, Norquay, Prince Albert, Swift Current, Saskatoon, Tisdale, Yorkton
GRADES 3 & 4 • SPRING & FALL

Experience the full cycle of farming! Students learn about where their food comes from by growing ingredients for familiar foods such as pizza, burgers and fries. Grade 3 students plant crops in Spring and return to harvest them in Fall when they are in Grade 4.

Host Partners: Ministry of Agriculture, Agriculture Canada, Conservation Learning Centre, Greenleaf Seeds Ltd., G-Mac's Ag Team, Lindgren Farms, Gateway Veterinary Services

Garden EXperience

Saskatoon
GRADE 3 • MARCH

Bugs, dirt, plants, and seeds – so much fun for your students! This program will engage and excite your students as they get their hands dirty planting seeds, learning how to compost and much more.

Host Partner: Saskatoon Prairieland Park Corporation

Follow us for program registration information:



Farm & Ag Tours

Province-wide
GRADES 1 TO 6 • YEAR-ROUND

Want your students to visit a farm or agri-business? We can help! We have a network of Saskatchewan farmers interested in showing students their farm operations. Our staff will work with you to ensure that the tour is a memorable experience for you and your students. A limited number of bursaries are available to assist with transportation costs.

AG Adventure

Regina
GRADES 4 TO 5 • MAY

Saskatchewan farmers are among the most innovative and productive farmers in the world. Students will have a chance to meet some of these farmers and participate in hands-on activities!

Host Partner: Richardson's Bennett Farm





OUT-OF-SCHOOL PROGRAMS

Agribition Agri-Ed Program

Regina

GRADES 1 TO 5 • NOVEMBER

An opportunity to educate urban and rural youth about where the food on their table comes from by offering engaging sessions involving live animals and interactive activities. Specific sessions are also offered each day. Space is limited, so register early!

Host Partner: Canadian Western Agribition

Explore AG

Saskatoon

GRADES 3 TO 6 • SEP TO FEB



Explore agriculture through hands-on activities and interactive games highlighting soil formation, healthy plants, local food and more! New this year, the program will explore indigenous perspectives on land and farming.

Host Partner: Nutrien



Explore, Experience and Discover

what agriculture means to our province and the world! Students interact with and learn about livestock and animal care, food production and Saskatchewan's agriculture industry through hands-on, curriculum-based activities. Find a program near you:

AG EXperience

Saskatoon

Host Partner: Saskatoon Prairieland Park Corporation

GRADE 4 • OCTOBER

Harvest Showdown Education Program

Yorkton

Host Partner: Yorkton Exhibition Association

GRADES 4 & 7 • NOVEMBER

AG ED Showcase

Prince Albert

Host Partner: Prince Albert Exhibition Association

GRADES 3 TO 5 • APRIL

Discover the Farm

Swift Current

Host Partner: Swift Current Agricultural and Exhibition Association

GRADES 3 TO 5 • APRIL

"Best field trip day ever. Students were constantly engaged and working through hands on activities while learning more about agriculture."

**- JENN ROBERTSON,
ECOLE VICTORIA SCHOOL**

Don't miss deadlines!
Sign up for our
monthly e-newsletter at:
www.aitc.sk.ca



RESOURCES

Blossom's Big Job

Arts, Sci, Hlth, ELA
GRADES K TO 3

In this charming story book, a hard working bee encourages trust and perseverance while your students learn about pollination and how honey is made.



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Alex's First Seed

ELA, Sci
GRADES K TO 3

A storybook about a little worm who helps to grow his first plant. This fun, educational book will help students learn about the important role that worms play in maintaining healthy soil in order to grow healthy food.



What's Growing Around Us

ELA, Sci, SS
GRADES 2 TO 4

Follow Abby and her mom as they take a fieldtrip in the prairies to learn about where their food comes from! What's Growing Around Us is an educational storybook that highlights many of the crops and livestock that are grown and raised on the prairies.



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Order FREE resources at:
www.aitc.sk.ca



RESOURCES



Where Beef Comes From

Careers, PAA, Sci

GRADES 3

In this storybook, students learn about beef production in Saskatchewan, including different steps in producing, growing and manufacturing beef. They will also learn the valuable role beef plays in their daily diet.



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The Adventures of Michael and Mia: Stewards of the Land

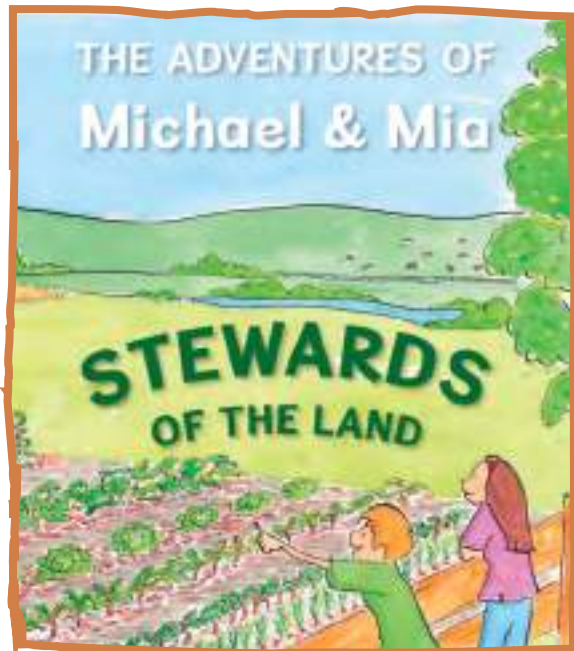
ELA, Sci, SS

GRADES 4 TO 6

Join Michael and Mia on a gardening and farming adventure! Complete with illustrations, photographs and infographics, this storybook focuses on farm stewardship and sustainability, while also highlighting modern farm practices and technologies.



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My Food Story

HLth, ELA, SS

GRADES K TO 4

Use this kit to share stories about how food is produced from gate-to-plate. Introduce your students to some of the people dedicated to delivering safe, healthy and affordable food. It includes a lesson plan and placemats that students can use to share their own food stories in the classroom.



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RESOURCES

Living Necklace Kit

Arts, Sci

GRADES 1 TO 4

The Living Necklace Kit includes instructions and materials for 35 students to each make a necklace using a cotton ball, plastic bag, string and seeds. In a few days the seeds sprout and the necklace comes alive!



Food Waste & You

Hlth, SS

GRADES 1 TO 6

Students learn about food waste in Canada. They will explore how food is lost or wasted throughout the food value chain, and what the agriculture industry is currently doing to reduce loss and waste. Students also learn about what they can personally do to help reduce food waste.



Dig Deeper: A Soil Discovery Kit

Sci

GRADE 3

Enhance your student's understanding of the world of soils as they delve into the story of soil and its central role in sustaining life on earth. Hands-on activities focus on what soils are made of, the diversity of life in soils, how they interact with water, their productive capacity to grow food, and an exploration of the root zone. Order early as limited kits are available.





RESOURCES

Saskatchewan Seed Kit

Sci, SS
GRADE 3

The Saskatchewan Seed Kit comes complete with 5 sets of 13 samples of Saskatchewan's most common seed varieties and suggested activities to engage your students in learning about crop production in Saskatchewan.



What's in Your Lunchbox?

Hlth, ELA, SS
GRADES 3 TO 6

This hands-on, interactive resource connects kids to where their food comes from. Students learn which crops, animals and plant parts are needed in order to make the foods that they commonly eat which can lead to healthier eating choices and a better appreciation for agriculture and its role in feeding the world. Limited quantities, available only during Ag Month in October.



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Search & order
FREE resources at:
www.aitc.sk.ca

"I love your resources. They make my life easier in terms of preparing, as well as capturing the complete attention of my students. Thank you all so much!!!"

**- BETH GEBAUER,
HUMBOLDT PUBLIC SCHOOL**

Middle Years



IN-SCHOOL PROGRAMS

Journey 2050

Province-wide

GRADES 7 TO 9 • YEAR-ROUND

Journey 2050 allows schools around the world to experience agriculture like it has never been taught before. As students explore global food sustainability, they are encouraged to think critically about the ripple effect these decisions have on social, economic and environmental factors, locally and globally. Agricultural experts and farm families from Kenya, India and Canada guide students through a virtual farm simulation, career avatar game and geography scavenger hunt.

Register at www.Journey2050.com to access curriculum links, lesson plans, animated videos, interactive games, agriculture news, answer keys and much more. Visit our website to book a guest speaker from AITC-SK to come to your school and deliver 2 hours of the 5-hour experience.

Host Partner: Nutrien



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"This was a fabulous, hands on learning opportunity for my students. They were engaged and able to discover many new career opportunities in agriculture. Loved it!"

- KELSEY WARREN, ST. MICHAEL SCHOOL

Career Game - a thinkAG initiative



Province-wide

GRADES 6 TO 8 • YEAR-ROUND

An engaging and exciting game where student groups work through agriculture related situations and use their own interests and goals to earn points for their team. Students learn that diversity is a strength in problem solving and that the agriculture community is made up of a diversity of people, interests, education and backgrounds. Contact us to be a pilot teacher this Fall!



OUT-OF-SCHOOL PROGRAMS

Sask Food Story

Saskatoon

GRADES 6 TO 9 • OCTOBER

Your students will observe a working dairy barn with a robotic milking parlor, explore the Feeding the World Interpretive Center, try their hand at making a favourite food product, and play a food security game investigating the role that Saskatchewan farmers play in global food production.

Host Partner: University of Saskatchewan



Biotech Blast

Saskatoon

GRADES 7 TO 9 • MAY

Biotech Blast is a one-day program that will engage your students in science-related activities through hands-on, interactive sessions that are hosted by today's leaders in the fields of science and biotechnology. Your students will love the experience of learning from our dynamic presenters about today's agricultural innovations and the future of the ag industry!

Sask Feeds the World

Regina

GRADES 6 TO 9 • SEPTEMBER

This half-day program encourages your students to examine the important role Saskatchewan plays in contributing to local and global food security. Students will tour a variety of stations exploring topics such as economy, trade, environmental stewardship and nutrition.

Host Partner: Richardson's Bennett Farm





OUT-OF-SCHOOL PROGRAMS

Farm & Ag Tours

Province-wide

GRADES 6 TO 9 • YEAR-ROUND

Want your students to visit a farm or agri-business? We can help! We have a network of Saskatchewan farmers interested in showing students their farm operations. Our staff will work with you to ensure that the tour is a memorable experience for you and your students. A limited number of bursaries are available to assist with transportation costs.



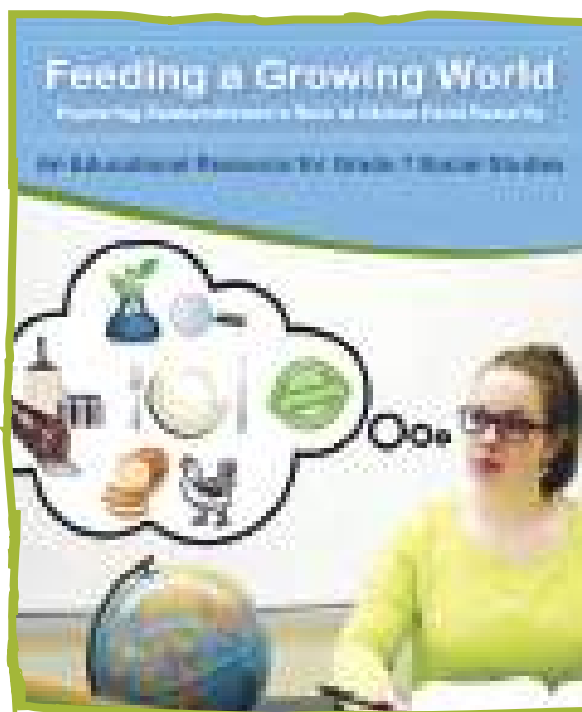
RESOURCES

Feeding a Growing World: Exploring Saskatchewan's Role in Global Food Security

SS

GRADE 7

Your students will inquire, explore and investigate the question, "How might Saskatchewan agriculture contribute to global food security for 9 billion people?" Feeding a Growing World features multiple components to enhance students' learning experiences, including a 4-part video, an interactive SMART Board game, classroom activities and an inquiry-based project focused on an aspect of Saskatchewan agriculture and its connection to food security.



"I love the interactive aspect to all of the resources and activities. Students love to have their hands busy while learning."

- SABRINA MCCUBBING,
HANLEY COMPOSITE SCHOOL

High School



IN-SCHOOL PROGRAMS

genAG

Saskatoon

GRADES 9 TO 12 • FALL



The genAG competition is a new event for Saskatoon! During this half day event, high school students will explore the diversity of agriculture careers. In groups, students will be faced with the challenge of developing a creative marketing strategy that promotes agriculture-sector careers to their peers, for a chance to win a prize!

Biotechnology Classroom Activities

Saskatoon & area

GRADES 9 TO 12 • YEAR-ROUND

High school teachers can register for a hands-on, lab-based session exploring the role of biotechnology in Saskatchewan Agriculture. A guest speaker will guide your students through 'Bacterial Transformation', 'BSE Gel Electrophoresis', or 'Science and Society for Science 9'. Visit our website for program and booking details.



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thinkAG Career Classroom Conversations

Province-wide

GRADES 9 TO 12 • YEAR-ROUND

This engaging, hands-on presentation profiles various agricultural career paths such as agronomy, animal science, agricultural trades and technology, food development, agribusiness, and research and innovation. The presentation will also feature an introduction to agriculture and spotlight agriculture-related post-secondary programs.

Journey 2050

Province-wide

GRADES 10 TO 12 • YEAR-ROUND

Journey 2050 allows schools around the world to experience agriculture like it has never been taught before. As students explore global food sustainability, they are encouraged to think critically about the ripple effect these decisions have on social, economic and environmental factors, locally and globally. Agricultural experts and farm families from Kenya, India and Canada guide students through a virtual farm simulation, career avatar game and geography scavenger hunt.

Register at www.Journey2050.com to access curriculum links, lesson plans, animated videos, interactive games, agriculture news, answer keys and much more. Book a guest speaker from AITC-SK to come to your school and deliver 2 hours of the 5-hour experience.

Host Partner: Nutrien



OUT-OF-SCHOOL PROGRAMS

thinkAG Career Expo

Regina

GRADES 9 TO 12 • NOVEMBER

Hosted during Agribition, this career expo will provide an opportunity for students to learn about the agriculture industry, explore various agricultural careers through experiential activities, and gain an understanding of the many education and employment opportunities available in the agriculture sector.

Farm & Ag Tours

Province-wide

GRADES 10 TO 12 • YEAR-ROUND

Want your students to visit a farm or agri-business? We can help! We have a network of Saskatchewan farmers interested in showing students their farm operations. Our staff will work with you to ensure that the tour is a memorable experience for you and your students. A limited number of bursaries are available to assist with transportation costs.

Cooking UP Saskatchewan

Province-wide

GRADES 9 TO 12 • SPRING

A showcase of culinary and presentation skills! Students compete in their own school, with the winning group advancing to the Provincial Competition where they prepare a meal and present to a panel of judges. Students will learn budgeting, meal planning, presentation and speaking skills in this two-part cooking competition.



RESOURCES

The Real Dirt on Farming

Hlth, PAA, Sci, SS

GRADES 9 TO 12

Wondering about the role of pesticides, hormones and antibiotics in our food? In this resource, Canadian farmers discuss important issues that exist in today's food industry, and give you the facts that you need to help educate your students about modern food production.



Be the first to know:



The Agri-Environment: Exploring a Healthy Relationship with the Land

ES 20

Through guided lessons and hands-on experiments, students will explore sustainable agricultural practices and the technologies that support them. This resource kit contains materials for students to conduct experiments related to plant disease, seed treatment, soil health, soil erosion and more. Limited quantities.





RESOURCES

snapAG

Sci, SS, Hlth

GRADES 9 TO 12

Accurate, balanced and current information on hot topics in agriculture that has been researched and reviewed. A great resource for teachers to explore information about questions they might personally have or for high school students to use as a source of information for research projects.

Visit www.AITC-Canada.ca and click on 'Learn about Agriculture'.



Planet X: 'Out of this World' Opportunities in Agriculture and Food

Careers, Sci, SS

GRADES 9 TO 12

Students are given the mission to assemble a team of food production professionals to send to Planet X to sustainably produce food for the growing world. Students will gain a knowledge and appreciation of the multitude of professions within the Agriculture and Food sectors, while also understanding the importance of everyday food production and sustainability to the global population.



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"They fit the curriculum exactly, are teacher friendly, easy to use, interesting. The resources are physically high quality and sturdy- they can be used year after year."

- BARB PAPANDREOU, ST. GABRIEL SCHOOL



#MyFoodChoice

Hlth, ELA, Sci, SS

GRADES 9 TO 12

Students are encouraged to think critically about answering the overall question of "How can I make informed food choices". This resource has videos, interactive student sheets and more! A downloadable version is also available.



Cooking Up Chicken

Careers, Hlth, PAA, Sci

GRADES 9 TO 12

Students learn about topics including food safety, food preparation, cooking, food security, chicken production, marketing, and more! This resource includes recipes, student worksheets, lab activities, handouts and a marking rubric.



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www.aitc.sk.ca

We are all connected to agriculture.

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