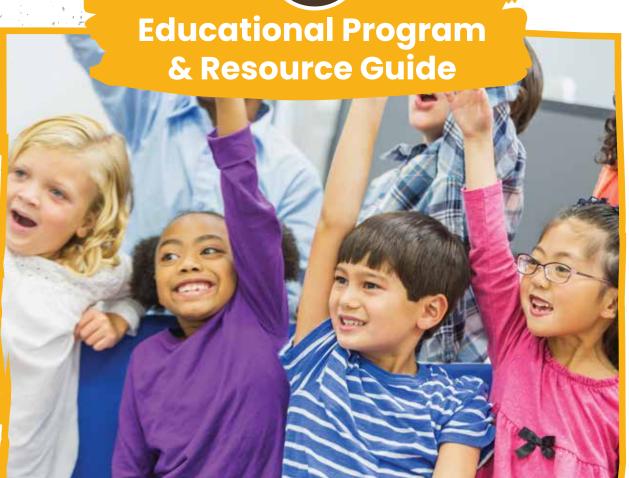
2021-2022 SCHOOL YEAR















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



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

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

#### **AVAILABILITY KEY**







Download



Online



Home Learning



French

Special thanks to our Investors!





















#### **DISCOVER WHAT AITC-SK OFFERS**

AITC-SK offers a variety of high-quality, educational resources to help you meet your curriculum outcomes. Get to know our offerings by exploring the following:



#### Video

Typically viewable online and includes an accompanying learning guide to guide student's exploration into video content.



#### Lesson Plan

A single, curriculumbased lesson plan designed to take one to two class periods to complete.



#### Informational Resource

Provides excellent information on the food and agriculture sector that can help address curriculum outcomes, however no lesson plans or learning guides are included.



#### Mini-Unit

A series of curriculumbased lesson plans designed to be taught together to encourage deeper learning in a certain topic.



#### Learning Kit

Contains lesson plans and materials required to complete hands-on activities. Most kits do not require any additional supplies to be purchased by the teacher.



#### Fun Activity

Provides instructions for a short activity to complement existing lessons in your classroom. No formal lesson plans or assessments are included.



#### Storybook

Storybooks created by AITC. Most books have complementary material such as activity guides, read-alongs, and slideshow presentations to extend the learning.

### **RESOURCE CURRICULUM MAP**



Integrating AITC resources into your classroom has never been easier with our NEW Resource Curriculum Map tool. It provides recommended resources that are mapped to curriculum outcomes for each grade, ensuring hands-on, memorable learning experiences for your students.

Whether you are knowledgeable of our offerings or new and looking for guidance, this tool will help you effortlessly incorporate AITC resources throughout the school year.

Scan the QR code or visit www.aitc.sk.ca and look under Resources!

#### **Educator Newsletter**



Don't miss out! Sign up for our monthly educator e-newsletter! We plan to offer in-school and out-of-school programming for students this school year pending public health restrictions. Be the first to register for programming by signing up for our educator newsletter. PLUS you will receive first dibs on new educational resources, professional development opportunities and contests.

# **Teacher Agriculture Expedition**

AUGUST 2022

An action-packed, hands-on agriculture tour for teachers that will motivate you, and provide you with the tools and knowledge to incorporate agriculture education in to your classroom teachings. You will personally interact with farmers and agriculture personnel at their farms and agri-businesses to understand their role in producing safe, healthy and affordable food in our province. They will share with you how science, research and technology have helped improve the



sustainability of their operation, and how they play an important role in keeping Saskatchewan agriculture competitive at a global market.

Sign up for our educator e-newsletter to be notified when applications open.



# G3 Grow Beyond Scholarship

The future of the agriculture industry relies on innovation and technology in order to keep up with global demand. The future of agriculture relies on our students. This calls for new ideas, and the possibilities are endless. The G3 Grow Beyond Scholarship is helping Grade 12 students recognize and reach their full potential in leading that change, wherever their career may take them. There are 6 scholarships of \$4,000 each available, plus an additional \$1,000 to each winner's high school.

In partnership with:





## **Global Youth Institute**

Grades 8 to 11 students with a passion for global food security and agriculture are invited to apply to represent
Saskatchewan at the Global Youth
Institute. Two students selected will attend the prestigious Global Youth
Institute, all-expenses-paid, in Des
Moines, lowa where they will discuss pressing food security and agricultural issues with international experts, connect with other student leaders from around the world to share ideas, identify solutions and build lasting friendships, and tour cutting-edge industrial and research facilities.

In partnership with:



Details to come in our educator e-newsletter!

# **Featured Resources**

## **Agriculture Website for Kids**

Careers, Sci, SS GRADES 3 TO 7





"This website is not only visually appealing to elementary and middle year students, but it is jam packed full of engaging and interactive content!... The pre-made activities and strong curriculum connections made it a super valuable resource. My kids loved it!"

- NICOLE FREEDEN, TEACHER

ExploreSaskAg.ca is a kid-friendly website that brings the story of the past, evolution, present and future of agriculture to life. It features highly interactive information, real photos, colourful illustrations, quizzes, teacher lessons and more! Phase 2 is launching in October.

# Plants, People, and Climate Change

Sci, SS

GRADES 3 TO 6







"Our goal is to help students connect what we know about climate change in our heads, what we feel about climate change in our hearts, and what we can do about climate change with our hands and voice."

- BRIT MACDONALD, NATIONAL PROGRAM DIRECTOR, LITTLE GREEN THUMBS

Students explore the interconnections between plants, people and our planet. Lessons engage students in plant biology and processes, soil science, food waste and the implications for climate change through videos, hands-on activities and action-oriented reflections.









### **My Food Story**

HITH, 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.









# **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

HIth, 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.







Learning kits include the materials required to complete hands-on activities!



# 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.









#### 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.





# Healthy Foods from Healthy Farms

HIth, ELA, SS GRADES K TO 6

Students make connections between the food we eat and the people in our community who grow it and process it by creating a healthy snack using Canada's new Food Guide.













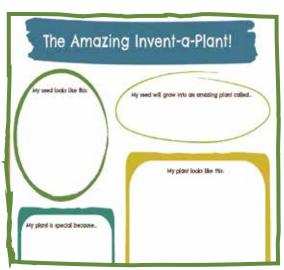
### Season Change Scavenger Hunt

Careers, Sci GRADES K TO 2

Student's go on an outdoor scavenger hunt adventure to find Fall items such as leaves, seeds, and fruits. They will then connect the items found to work done by farmers as seasons change. Discussions include harvest, differences in perennial and annual plants, need to maintain health of livestock in a cold winter, and more.









# The Amazing Invent-a-Plant

Arts, ELA, Sci GRADES K TO 3

This guided activity engages children's observation skills and invites them to get creative by inventing an imaginary plant. Children will explore the important role of seeds and gain an understanding of the many uses of plants in our every-day lives.





## **Seedy Scavenger Hunt**

Sci

**GRADES 2 TO 4** 

Take your students outside on an outdoor scavenger hunt to find as many different types of seeds as they can! Prior to the scavenger hunt students will learn about seeds, seed germination, and varying ways that seeds are dispersed throughout the environment. The lesson ends with a creative activity that has students imagine a seed growing into a plant.





Seedy Scavenger Hunt Bingo Card					
Brown	Could Float	Grey	Velcro-like	From a Flower	
Specified	HUGEI	Rough	fell from Above	Shiny	
Round	DVIII	***	From a Fruit	Feather-like	
Edible	\$mooth	Specialed	Wing-like	Tiny	

Print & go! Lesson plans are ready to use in the classroom!



#### Let's Eat: Plants

Sci, SS

**GRADES 3 TO 5** 

An interactive resource where students learn which grain, fruit and vegetable crops are needed to make the foods they commonly eat. Plant parts as food ingredients are also investigated.









## **Agribition Agri-Ed** Resource

Sci, SS

**GRADES 2 TO 5** 

A fun and easily accessible digital compilation of activities that highlight the same kind of ag education thousands of students experience at Agribition every year. Where urban and rural youth learn about where the food on their table comes from!





#### **Automation in AG**

Sci

**GRADES 5 TO 6** 

Working with either Edison or Microbit systems, students will gain an understanding of the importance of automation in agriculture while working together to complete a series of fun coding activities. Note: Edison and Microbit systems are not supplied by AITC-SK.









### Blossom's Big Job

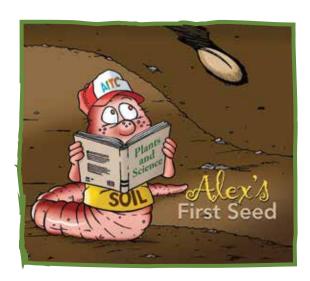
Arts, Sci, Hlth, ELA GRADES K TO 3

In this charming storybook, a hard working bee encourages trust and perseverance while students learn about pollination and how honey is made. An animated story and video read along available, and extend learning with a Guided Reading Lesson Plan and Activity Book.











#### **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. Extend learning with a Guided Reading Lesson Plan and Activity Book available to download.





# 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! The adventure highlights many of the crops and livestock that are grown and raised on the prairies. Extend learning with an Activity Book available to download.









Order your FREE storybook at: www.aitc.sk.ca



#### **Where Beef Comes From**

Careers, PAA, Sci **GRADE 3** 

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.











ELA, HIth, Sci, SS GRADES 3 TO 5

Our pal Reggie is tasked with doing a school project on technology in agriculture. Join Reggie and his mom as they tour the countryside and learn about various ways the agriculture industry uses technology! Extend learning with accompanying student worksheets and slideshow available for download.







# The Adventures of Michael & Mia: Stewards of the Land

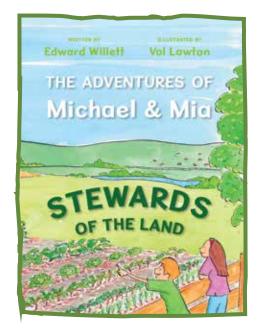
ELA, Sci, SS GRADES 4 TO 6

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.













# Foundations of Saskatchewan Agriculture

Sci, SS

**GRADES 3 TO 4** 

A series of interactive courses and information sheets that explore the different crops grown and animals raised in Saskatchewan. Included are an in-depth PDF (detailed teacher information), summary PDF (bite-sized student information), and e-learning courses (interactive student learning).









Don't miss out!
Program registration
launched in our
monthly e-newsletter:
www.aitc.sk.ca



### **Seed Survivor**

Province-wide
GRADES 2 TO 5 • SPRING

A virtual learning experience that will help students understand what plants need to survive. You will gain access to in-class and eLearning activities, games, videos, posters, recipes and more! Plus we will send to your school a Classroom Kit that includes supplies for hands-on learning!



#### **Food Farms**

Province-wide

**GRADES 3 TO 4 • FALL & SPRING** 

Classes work through stations that include a short, engaging video, learning resources, and a hands-on activity that teach about the importance of soil health, where food comes from, and more! Plus you'll receive a Food Farm Learning Kit that provides the materials for the hands-on activities.

Food Farms will return to in-person in Spring pending public health guidelines.



# **Little Green Sprouts**

Province-wide

**GRADES K TO 2 • YEAR-ROUND** 

A smaller-scaled classroom garden that will inspire hands-on learning and inquiry into food production, as well as seeds, nutrition, soil science and plant needs. In just a few weeks your students will plant, grow, harvest and eat microgreens!

Applications open November 2021.





### **Classroom Presentations**

Province-wide GRADES K TO 6

Supplement a lesson plan with a fun, engaging activity delivered by an AITC-SK representative! We will work with you to ensure our presentation is hands-on and meets curriculum outcomes. This program will be offered with a regional focus at different times of the year. Sign up for AITC-SK's educator e-newsletter to be notified when registration opens.



#### Little Green Thumbs

Province-wide

**GRADES 3 TO 6 • YEAR-ROUND** 

An indoor 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 skills while fostering critical thinking, communication, collaboration and creativity. Applications open March 2022.



# Canadian Agriculture Literacy Month (CALM)

Province-wide
GRADES K TO 6 • MARCH

If you students have questions about farming and where food comes from, let us coordinate a classroom visit from a local farmer or agriculture industry professional. They will read a book or do an activity with the students and share their personal agriculture story! Register by January 23,

2022.

CALM will return to an in-person program in March 2022 pending public health guidelines.





## **Agribition Agri-Ed Program**

Regina & area

GRADES 2 TO 5 • NOVEMBER

Students learn about where the food on their table comes from by visiting engaging sessions involving live animals, interactive activities and more!



### Farm & Ag Tours

Province-wide GRADES K TO 6

An opportunity for your students to experience the sites and sounds of a farm from the comfort of your classroom! We will connect your students with people involved in producing food, so they can ask their burning questions about where food comes from. Our staff works with you and the tour host to ensure it is a memorable experience.



#### Discover the Farm

Swift Current & area
GRADES 3 TO 5 • SPRING

A great opportunity for students to learn about farm animals, food production, and farm safety. Dairy cows, poultry, beef, safety and more are included in the twelve stations that students will visit.



# **Garden EXperience**

Saskatoon & area **GRADES 3** 

Bugs, dirt, plants, birds, and seeds – so much fun for your students! Connecting directly with the science curriculum, this half day program will engage and excite your students as they get their hands dirty planting and learning how to compost.





These in-person programs will return pending public health guidelines!
Stay tuned by signing up for our monthly educator e-newsletter!

# **Featured Resources**

## Mission: Super-Human

Hlth, Sci GRADES 5 TO 8





"It was very engaging for all my students. Students were excited for each mission and worked very hard as individuals and as a team. I even had students who normally don't participate, were excited to beat the villains."

- MIKE NOWOSAD, SACRED HEART SCHOOL

A gamified resource that teaches students about healthy food, how to make healthy food choices, and how to interpret food labels and advertisements. Each lesson is a 'Mission' where students work in groups to create a Super-Human to defeat villains that are trying to take over the food system. Launching in Fall.

# **Healthy Foods from Healthy Farms**

Careers, Hlth, Sci, SS GRADES 7 TO 8





"I really liked the video...
It was nice to see a lot
of different farms and
jobs involved in
agriculture. I also liked
the guided questions in
the teacher's guide."

- TAMARA SAUSER, SALTCOATS SCHOOL

Students discover and learn about people who grow and process food in the communities around them! A 3-part video takes students on a journey behind the scenes at farms and processing facilities, then through discussion questions they will begin to make connections between the food we eat and the people who grow it and process it.









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

SS

#### **GRADE 7**

Your students will inquire, explore and investigate how Saskatchewan agriculture might contribute to global food security for 9 billion people. A video, interactive SMART Board game, classroom activities and inquiry-based project will enhance your student's learning experience.













Careers, Sci, SS GRADES 7 TO 9

This online resource invites students to explore Canadian agriculture by introducing them to farms and farmers across 10 provinces, including the variety of agricultural commodities they produce and their link to our food system. Launching in October.







# Food Security - Budget Game

Hlth, SS

#### **GRADES 6 TO 8**

Through this activity students will learn about food security and some of the causes of food insecurity both globally and at home. Then students will explore how food fits into a household budget through a simulated exercise. Students will get a chance to explore how real-world challenges can affect the budgets and food choices of families.









#### thinkAG Website

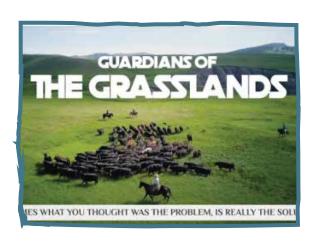
Hlth, Sci

#### **GRADES 5 TO 8**

thinkAG.ca is a one-stop shop for learning resources and experiences to ignite interest in agriculture and food careers. Offering students insight as to jobs tailored to their interests and personalities, this site will help them find their purpose-driven career.









## **Journey 2050**

Province-wide

GRADES 7 TO 9 • YEAR-ROUND

Students explore global food sustainability led by agricultural experts and farm families from Kenya, India and Canada that guide students through a virtual farm simulation, career avatar game and geography scavenger hunt. Book a guest speaker from AITC-SK to virtually deliver part of the experience.

Journey 2050 will return to an in-person program pending public health guidelines.





## **Guardians of the Grasslands**

Sci

#### **GRADES 7 TO 9**

A documentary that explores the current state of one of the world's most endangered ecosystems and the role that cattle play in its survival. A Teacher Guide provides pre/post viewing questions, extension activities and connections to further readings where students will explore the key topics of biodiversity, soil health, climate change, land management, and more. Teacher Guide launching in October.











#### **Classroom Presentations**

Province-wide
GRADES 7 TO 9 • JAN-MAR

Supplement a lesson plan with a fun, engaging activity delivered by an AITC-SK representative! We will work with you to ensure our presentation is hands-on and meets curriculum outcomes. This program will be offered with a regional focus at different times of the year. Sign up for AITC-SK's educator e-newsletter to be notified when registration opens.





# OUT-OF-SCHOOL PROGRAMS

#### **Biotech Blast**

Saskatoon

GRADES 7 TO 9 • MAY

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. Students learn from dynamic presenters about today's agricultural innovations and the future of the agriculture industry.



## Farm & Ag Tours

Province-wide GRADES 7 TO 9

An opportunity for your students to experience the sites and sounds of a farm from the comfort of your classroom! We will connect your students with people involved in producing food, so they can ask their burning questions about where food comes from. Our staff works with you and the tour host to ensure it is a memorable experience.





These in-person programs will return pending public health guidelines!
Stay tuned by signing up for our monthly educator e-newsletter!

# **Featured Resources**

#### **Pandemic Food Panic!**

Sci, SS, Hlth GRADES 9 TO 12





"I absolutely adored this resource... It has real world applications when it discusses the pandemic, and brings in things that interest students (memes, influencers etc)."

- SUSAN BARTON, SACRED HEART HIGH SCHOOL

Using a problem-based learning approach and real-life examples, students will examine the impact COVID-19 had and continues to have on our food system. Students work through an interactive, online learning resource, then are posed with a real-world problem and must investigate and propose a solution.

#### thinkAG Website

Hlth, Sci

**GRADES 9 TO 12** 





"The thinkAG website is a great way to help students think about their interests: whether that's technology, communications, finance – you name it – and to see that all of these have a place in agriculture."

- DARREN GASPER, SUN WEST SCHOOL DIVISION

thinkAG.ca is a one-stop shop for learning resources and experiences to ignite interest in agriculture and food careers. Offering students insight as to jobs tailored to their interests and personalities, this site will help them find their purpose-driven career. Phase 2 of the website will launch in November.









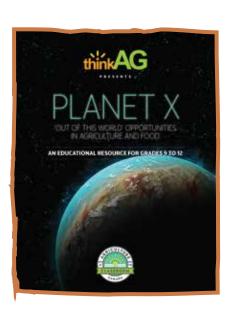
#### thinkAG Career Case

Careers, Hlth, PAA, Sci, SS GRADES 9 TO 12

A gamified learning experience where students explore their personal interests and learn about careers in agriculture. The game demonstrates the diversity, variety, and importance of careers in agriculture. Through participation, students will begin to envision themselves and their diverse interests fitting into agriculture. Book AITC-SK to facilitate the game in your classroom. Launching in November.









HIth, ÉLA, 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.









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

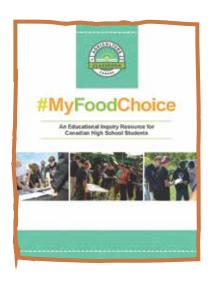
Careers, Sci, SS GRADES 9 TO 12

Students are given the mission to assemble a team of food production professionals to send to Planet X to sustainably produce food. 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.











## The Real Dirt on Farming

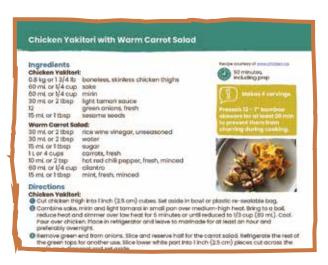
HIth, PAA, Sci, SS GRADES 9 TO 12

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. Accompanying teacher guide is also available.











### snapAG

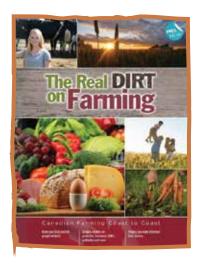
Sci, SS, Hlth GRADES 9 TO 12

NEW topics added to the collection of snapAG information sheets on 'hot topics' in agriculture and food! Through these infographic-style resources, students can discover accurate, balanced and current information about topics like regenerative agriculture, robotics, food security, urban agriculture, and more! 70+ sheets to discover. Extend learning with snapAG Jeopardy available to download.









## **Cooking Up Chicken**

Careers, Hith, 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.









### **Guardians of the Grasslands**

Sci

#### **GRADES 9 TO 12**

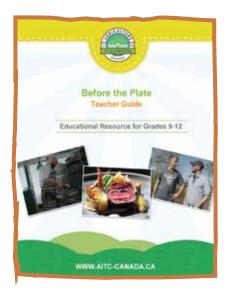
A documentary that explores the current state of one of the world's most endangered ecosystems and the role that cattle play in its survival. A Teacher Guide provides pre/post viewing questions, extension activities and connections to further readings where students will explore the key topics of biodiversity, soil health, climate change, land management, and more. Teacher Guide launching in October.











#### **Before the Plate**

Careers, Hlth, PAA, Sci, SS GRADES 9 TO 12

An intriguing documentary about the questions, the stories and the people behind where our food comes from and how it gets to our plate. This resource includes full viewing access to the Before the Plate documentary and a comprehensive, curriculum-linked Documentary Viewing Guide.





### FarmFood360

Sci, SS, Hlth GRADES 9 TO 12

Tour a farm or processing facility from the comfort of your couch! FarmFood 360 is a series of Canadian farm and processing facility virtual tours. Explore where food comes from through your desktop, on the go, or through your VR Viewer.









### **Journey 2050**

Province-wide

**GRADES 10 TO 12 • YEAR-ROUND** 

Students explore global food sustainability led by agricultural experts and farm families from Kenya, India and Canada that guide students through a virtual farm simulation, career avatar game and geography scavenger hunt. Book a guest speaker from AITC-SK to virtually deliver part of the experience.

Journey 2050 will return to an in-person program pending public health guidelines.





# OUT-OF-SCHOOL PROGRAMS

### thinkAG Career Expo

Regina

**GRADES 9 TO 12 • NOVEMBER** 

Students will have the opportunity to chat face-to-face with industry experts who will discuss their pathway into the agriculture industry, and what their day-to-day looks like now. Students can ask questions from experts in Food Science, Veterinary Medecine, Business, Biochemistry and more!



## Farm & Ag Tours

Province-wide

**GRADES 10 TO 12 • YEAR-ROUND** 

An opportunity for your students to experience the sites and sounds of a farm from the comfort of your classroom! We will connect your students with people involved in producing food, so they can ask their burning questions about where food comes from. Our staff works with you and the tour host to ensure it is a memorable experience.





These in-person programs will return pending public health guidelines!
Stay tuned by signing up for our monthly educator e-newsletter!

# Food connects us all to agriculture.

Agriculture education provides the opportunity to create memorable learning experiences for students as they explore their personal connection to food and agriculture.

Let us help you meet curricular outcomes in a fun, engaging way.





Toll-free: 844.393.2345 programs@aitc.sk.ca resources@aitc.sk.ca



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