



Calgary



Mayor's Environment Expo

Inspiring and educating youth on environmental leadership and sustainability

2022 Teacher's Manual

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Calgary

Jyoti Gondek, Mayor

April 2022

A MESSAGE FROM MAYOR GONDEK

On behalf of the City of Calgary and my Council colleagues, I am pleased to invite you and your students to the 33rd annual Mayor's Environment Expo, taking place May 30th to June 3rd, 2022.

The Expo has brought the community together for more than three decades, showcasing exciting initiatives and sharing ideas to protect our environment at home, work, and school. While the past two years have been a challenge, we are pleased to be able to invite students and teachers back to the Municipal Complex to participate in the Mayor's Environment Expo once again. In addition, our team will build on the success realized during the pandemic with a virtual Expo, and we are excited to offer a week of online programming for students in addition to the in-person event.

Taking place during National Environment Week, the program has been designed to educate and inspire young Calgarians, while also empowering them to take their environmental learning beyond the classroom. Students will leave this event knowing that when we come together, we can overcome even the most difficult challenges.

It is the responsibility of each one of us to conserve and protect our environment. By working together, we can take steps to shape a healthier and greener city for tomorrow. In November 2021, City Council declared a Climate Emergency, setting climate change as a strategic priority for our city and accelerating our actions so that we can become a global center of excellence in energy transformation.

City of Calgary places a priority on environmental protection and climate change as outlined in our Environment Strategy and Climate Resilience Strategy. I hope you will be inspired by this year's Expo to find solutions in making our city healthier and greener.

I look forward to hosting you and your students at this special event!

Sincerely,

Jyoti Gondek
MAYOR

Thank you to our 2022 Mayor's Environment Expo Sponsors

Transportation Sponsor



Workshop Sponsor



Venue Support Partners



Expo Supporters

- Alberta Environment and Parks
- Alberta Tomorrow
- Canadian Wildlife Federation - WILD Outside Program
- Calgary Co-op
- Calgary Stampede
- DreamRider Productions
- Ever Active Schools
- Inside Education
- Parks Canada
- Prospect Human Services
- Rocky Mountain Eagle Research Foundation
- Wilder Institute | Calgary Zoo

Introduction

About the Mayor's Environment Expo

The Mayor's Environment Expo is a free educational and interactive event for students of all ages. Held in conjunction with National Environment Week, the goal of the Expo is to encourage Calgary's youth to practice and promote environmental actions, shaping a healthier and greener city for tomorrow.

The 33rd annual Mayor's Environment Expo is planned to run virtually May 30 to June 3, 2022 and in-person May 31 to June 1, 2022. Everyone, regardless of how you plan to attend, is invited to register for and attend the [Opening Ceremony with Mayor Gondek](#) on Monday May 30 at 9:30 A.M.

More than 35 online sessions are being offered, combined with over 80 in person sessions over two days. Sessions are designed to educate and empower students to take their learning beyond the classroom – and to ultimately become the environmental stewards of tomorrow.

Have questions about the Mayor's Environment Expo? Contact expo@calgary.ca

Registration

Although the Expo is free and open to everyone, we request teachers to register early to ensure space in workshops and for security purposes. [Register to attend](#).



The deadline for in-person registration is May 23, 2022. You can register for virtual events right up until the start of each session. [Register to attend](#).

Virtual Mayor's Environment Expo

All* of the 2022 Mayor's Environment Expo sessions will be held online using Microsoft Teams Live Events. This platform was selected to ensure that the privacy of all participating students is protected. Attendees will not be required to provide any personal information and will not be able to share their video. You and your students will be able to participate in a moderated Q&A, if offered, by the hosts of the session.

**Two sessions will be offered via Zoom for technical reasons. Privacy will also be protected on this platform.*

Registering for virtual sessions

Visit [Calgary.ca/mee](https://calgary.ca/mee) [to register](#) and view the full virtual program. On this page you will find any pre-work (e.g. eLearning or pre-reading), activities, or information for the session as well as the Eventbrite registration link. Registration is available right up until the event start time.

Languages

Though most sessions will be held in English (two are in French), subtitles will be available for all sessions in the following languages: English, Arabic, Chinese, French, Hindi, Spanish and Urdu.

Virtual session providers

For 2022, our virtual session hosts are:

- Alberta Environment and Parks
- Alberta Institute for Wildlife Conservation
- Alberta Tomorrow
- Break The Divide Foundation
- Calgary Region Airshed Zone
- Calgary Stampede
- Canadian Wildlife Federation
- CPAWS Southern Alberta
- DreamRider Productions
- Ever Active Schools
- Ghost Watershed Alliance Society
- Green Calgary
- Inside Education
- Nature Calgary
- Parks Canada
- The City of Calgary
 - Calgary Emergency Management Agency
 - Climate Change and Environment
 - Calgary Parks
- Wilder Institute/Calgary Zoo

Session recordings

You will be able to access session recordings for 30 days via your joining link. Select sessions will be posted to [Calgary.ca/mee](https://calgary.ca/mee) for viewing until next year's Expo.

Teacher orientation session for virtual attendance (Online)

An orientation session for the virtual events will be offered for teachers on Thursday May 19, 2022 from 3:30 – 4:00 p.m. ([register](#)) or Tuesday May 24, 2022 from 3:30 – 4:30 p.m. ([register](#)).

Additional Support

For more information about Microsoft Teams, [click here](#) to visit the support page.

In-person Mayor's Environment Expo

This year's in-person component of the Mayor's Environment Expo will take place on May 31 and June 1, 2022 across six venues downtown and will feature a reduced learning commons (exhibitor hall) from previous years.

We work with a number of organizations to present a series of interactive and engaging workshops. Due to time and space restrictions, workshop space is limited - please register early to avoid disappointment. Plan your day in advance and arrive on time. Doors will be closed once workshops and performances have begun.

Audience for the in-person event

Generally, the sessions scheduled on May 31 are for a grade K-5 audience while sessions scheduled on June 1 are for a grade 4-9 audience. Sessions for all grades can be found on both days, however, most grade 10-12 sessions have been scheduled virtually.

Registering for in-person sessions

Visit calgary.ca/mee to [register](#) and view the in-person programming (detailed session descriptions and the Eventbrite registration links).

For in-person sessions, it is recommended to **have at least 30 minutes between sessions**.

The deadline for in-person registration is May 23, 2022. You can register for virtual event right up until the start of each session. Email expo@calgary.ca with questions or for more information.

In-person session providers

For 2022, our in-person session hosts are;

- Alberta Institute for Wildlife Conservation
- Calgary District Heating Inc.
- Calgary Region Airshed Zone
- Calgary Stampede
- CPAWS Southern Alberta
- Cree8 Calgary
- Evergreen Theatre
- Ghost Watershed Alliance Society
- Government of Alberta
 - Environment & Parks
- Green Calgary
- Hands On Growing
- Highfield Farm
- Inside Education
- Living Soil Solutions
- Nature Calgary
- Prospect Human Services
- Rocky Mountain Eagle Research Foundation
- The Arusha Centre
- The City of Calgary
 - Recreation
 - Waste and Recycling Services
- Thimbleberry Learning
- University of Calgary, School of Architecture, Planning and Landscape
- Walter MacDonald White Bear
- Weaselhead/Glenmore Park Preservation Society
- Wilder Institute/Calgary Zoo

Teacher orientation session for in-person attendance

Two orientation sessions for the in-person are available for teachers;

Online orientation for the in-person event

There will be one online orientation session on Monday May 16, 3:30-4:30 p.m. ([register](#)).

Onsite orientation for the in-person event

An onsite orientation session will be on Thursday May 26, 2022 from 4:30 – 5:30 p.m. (email expo@calgary.ca for a calendar invite) meeting at the Information Kiosk in the Municipal Building – 800 MacLeod Tr SE.

The onsite orientation will include a walking tour to all Expo venues.



Languages

All in-person sessions are delivered in English.

Transportation

Please sign in your class in with a City of Calgary a volunteer when you arrive by bus and ensure you complete the safety briefing. If you arrive by foot, bike, or train, please check in at the Information table upon arriving; it ensures we have accurate information about your student/volunteer numbers and your current cell phone in case of emergency management and/or a lost student.

Schools registered for [EcoSchools Canada in Calgary](#) which have completed at least three actions will get free bussing to the in-person Mayor's Environment Expo on May 31 or June 1. [Register to be an EcoSchool](#) today or visit the Alberta Council for Environmental Education's (ACEE) [FAQs](#) for more information about the program.

The school bus drop-off and pick up location is northbound on MacLeod Trail SE. **See Facilities Map for the drop-off and pick up location.** Unless alternate arrangements have been made, your bus will pick you up where it dropped you off.

Keep the health of the students and the environment in mind and ask the bus driver to shut the vehicle off while waiting for students to embark or disembark. After eight seconds or more of idling, it becomes more efficient to simply shut down the engine and restart immediately prior to departure. It uses less fuel and emits less greenhouse gases. More importantly, it's better for everyone not to be breathing in all those fumes!

Also, consider public transit for an environmentally friendly educational experience! Email expo@calgary.ca to see if we can cover your Calgary Transit costs.

Learning Commons (Exhibits)

The Learning Commons takes place in the Atrium of the Municipal Building. This spacious venue provides a unique setting for over 30 environmental exhibits. Exhibits are from EcoSchool Canada schools or incorporate one or more of the following theme areas, tied to our Environment Strategy goals;

- Nature and healthy ecosystems
- Watershed management
- Clean Air
- Zero Waste
- Sustainable transportation and land use
- Climate change and energy
- Green government

EcoSchools Canada Schools

If you are familiar with the Mayor's Environment Expo, you will remember the former EcoLeaders program. We have now evolved and a new program is available and free to all K-12 publicly funded schools in Calgary through the EcoSchools Canada Program.



Schools participating in the EcoSchools Canada Program are invited to showcase their environmental projects by exhibiting at Mayor's Environment Expo May 31 and/or June 1.

EcoSchools that choose to exhibit will receive free bussing to both days of the Expo in addition to \$100 towards supplies for their booth display.

How to Prepare for the in-person Expo

Here are a few quick steps you can take to ensure your classroom is prepared for the Expo.

- Learn about the performers. Talk to students about the workshops and presentations in advance so they know what to expect and can be ready with questions.
- Encourage students to bring a notebook to record what they have learned during their visit.
- Provide opportunities and activities for students to apply what they've learned at home, at school and in the community.

What to Bring to the Expo

- The only items students will need for their visit are;
 - A **waste-free lunch and refillable water bottle**. Water fountains are located in the public washrooms in the municipal building.
 - A pencil, eraser and notebook.
 - Labelled backpacks – in case they get lost.
- Questions about the environment.



PLEASE NOTE: there will *not* be a secure area for students to store backpacks and other belongings. Items may not be left on the bus.

Important Locations

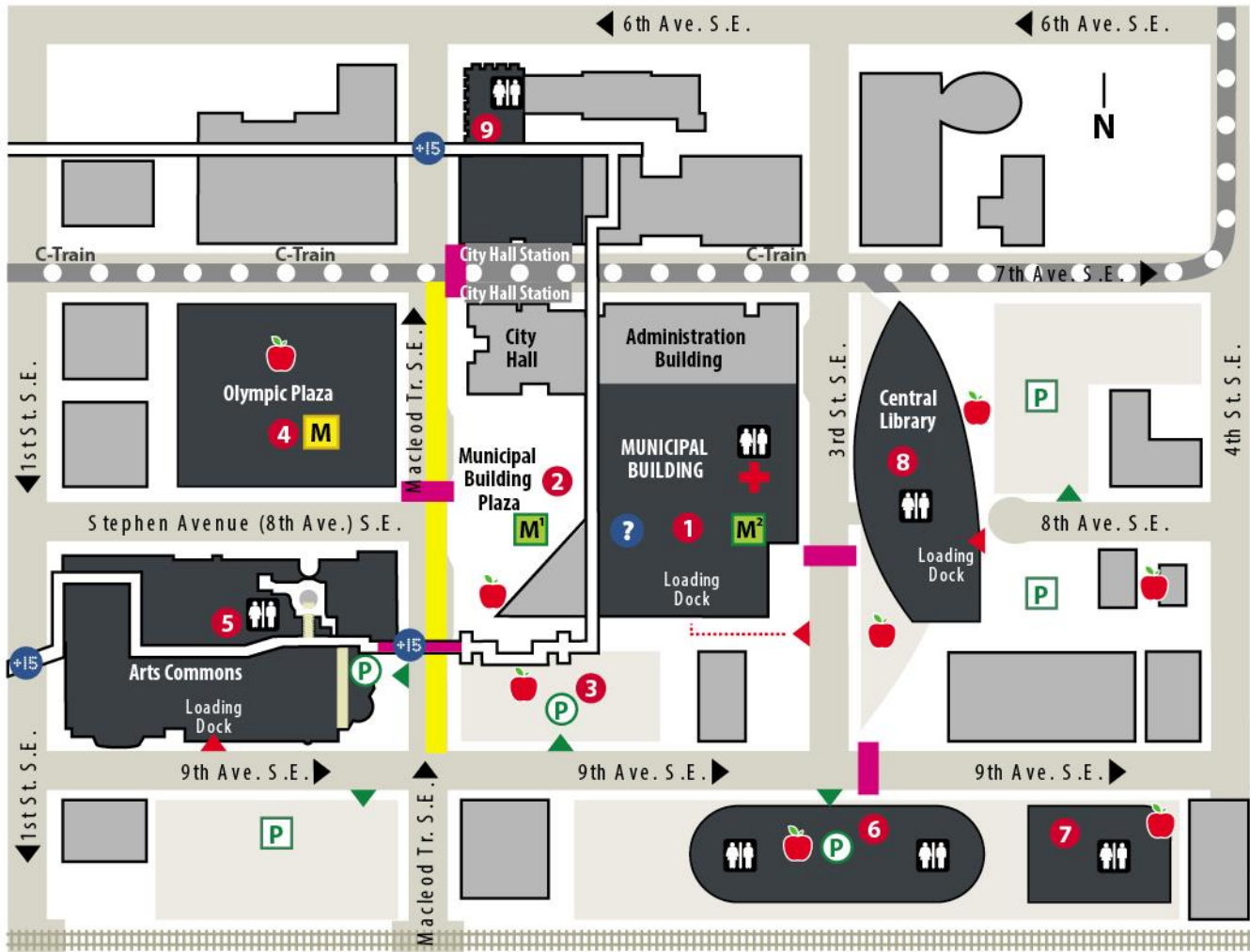
- **Information/Lost person desk** is located in the southwest corner of the Municipal Building by the Macleod Trail entrance. You will sign in your class here when you arrive. This is also the location of the **lost and found** and **lost child** centre.
- **Washrooms** are located on the main floor on the east side of the Council Chambers or just north of the three elevators. **Students are required to visit the restroom in pairs.** Please remember that the Municipal Building is a **PUBLIC BUILDING**, and other members of the public may be sharing common spaces. There will be portable toilets and wash stations on the Municipal Plaza. There are also washrooms at the Library and Arts Common (formally called the EPCOR CENTRE.)
- **Out of Bounds areas** will be clearly marked. Out of Bounds areas include revolving doors, escalators, and elevators (unless required).

Mayor's Environment Expo 2022 Workshop Location Map

















Please sign in your class either with the Expo volunteer who unloads your bus and does a safety briefing or, if arriving by bike, foot, or Calgary Transit, at the Information Desk. Checking in ensures we have accurate information about your student/volunteer numbers and your current cell phone in case of emergency management and/or lost student.

The Mayor's Environment Expo

Workshop Location Map – May 31–June 1, 2022



LEGEND

	Mayor's Environment Expo facilities		Security/First Aid AED
	Buildings		Plus 15 walkways
	Bus pick-up/drop-off area		Loading dock access
	Muster point (Olympic Plaza)		Parkade
	Meeting point 1 (Plaza Steps)		Surface parking lot
	Meeting point 2 (ATM)		Parking access
	Information/Lost person desk		Washroom facilities
	Preferred road crossings		Outdoor lunch spots

WORKSHOP/THEATRE LOCATIONS

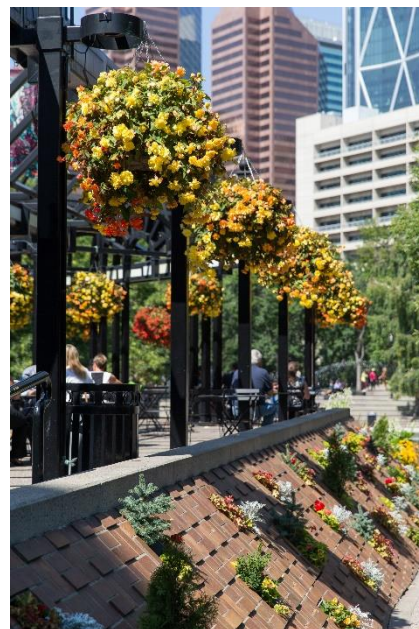
- 1** Municipal Building, Main Level Exhibitor Hall & Main Level Innovation Lab
- 2** Municipal Plaza (outside)
- 3** Civic Employees Memorial Garden (outside)
- 4** Olympic Plaza (outside)
- 5** Arts Commons, Engineered Air Theatre (Level 1) & Big Secret Theatre (Level 2)
- 6** Platform Calgary, Level 1 and 2
- 7** Calgary District Heating – District Energy Centre, Level 0 and 1
- 8** Central Library, Level 0 and 1
- 9** UCalgary City Building Design Lab School of Architecture, Level 0 and 1

Lunch/Meals

The Municipal Plaza has areas designated for eating. Teachers can also take students across Macleod Trail to Olympic Plaza where there is ample space to break for lunch. **At the cross walk leading to 8 Ave SE, volunteers will assist you across Macleod Trail.**

In the event the weather is unsuitable for an outdoor lunch, students may sit in the plus 15. Please ensure that there is enough space for the public to walk by.

We request that you encourage **students to bring waste-free lunches**. This means bringing food and beverages in reusable containers. Discuss ideas on how to prepare waste-free lunches with students (and parents) in advance. As a classroom, you can also predict how much waste you will be diverting from the landfill. See online resources at www.wastefreelunches.org for more information or check out the action guide on the EcoSchools Canada platform for ideas on how to get started.



Calgary Co-op will be providing a banana for each student attending the Expo and, in the event a student has forgotten a lunch, they are providing some sandwiches each day to give out. Please see the Information Desk about both bananas and sandwiches.

Safety & Security

It is our intent to make your visit to the Mayor's Environment Expo as pleasant as possible. We have established the following safety and security procedures:

- A safety plan has been developed for the Expo.
- All volunteers will be identified with distinctive green aprons.
- Expo volunteers will be present throughout all Mayor's Environment Expo facilities.
- Extra security, Transit Peace Officers, and Police Officers will be on site during the event.
- The Expo Information Desk at the southwest entrance is the designated spot for lost children and lost items. Ensure all students know where the Information Desk is. Direct them to this location if they get lost.
- If someone is injured, please ask an Expo volunteer or the Information Desk for assistance. First Aid can be accessed at any venue by alerting security and the main first aid location is at the Visitor Management Centre in the Municipal Building, located in the southeast corner of the building next to the elevators. Any vest-wearing volunteer can direct you there.
- We encourage you to utilize the recommended crossings (see Faculties Map) to cross the roadways.
- Expo volunteers will be checking all washrooms in the Municipal Building to be sure they are clean and safe. If any issues arise, please contact a volunteer immediately. For other venues, please alert onsite security.

- Please let students know that if they become lost they can talk to a volunteer wearing a green apron, go to venue security desks or onsite security guards, or go to the information desk in the Municipal Building.
- The Olympic Plaza, west of the Municipal Building across Macleod Trail, is the designated meeting point (Muster Point) for all participants in the event of a fire/evacuation in the Municipal Building. If other venues are evacuated, we ask you go to Olympic Plaza as well.
- If a fire alarm sounds, collect your students together, but do not evacuate unless a voice message directs you to leave the building. Most venues operate a two-stage fire alarm. The first is to alert you of an activated alarm. The second gives you direction, either to stay in the building, or to evacuate. If an alarm sounds in the Library or Arts Common (EPCOR Centre), please evacuate the building in an orderly fashion.
- The Information Desk is the location of lost and found items.

Suggestions for Your Visit

- Have students use the buddy system.
- Tell students to go to the registration desk if they get lost. Show them this location on your map. A lost child protocol is in place to protect students and ensure they are returned to their group as quickly as possible.
- Remind students that they will be exiting through the same doors they entered at the start of their visit. Determine a meeting point for departure near this door.
- Discuss a meeting time.
- Expo volunteers will be wearing distinctive green Mayor's Environment Expo vests. Volunteers are available to assist teachers and students if required.
- All exhibits are on the main floor of the Atrium of the Municipal Building. Students are not permitted to travel up and down the elevators or escalators in City Hall. **These areas are out of bounds for students.**
- Due to safety concerns, please be advised that the revolving doors are off limits to all students. Please ensure your students do not use the revolving doors.
- We want students to have fun. At the same time, we hope they use the same manners at the Expo as would be expected within school hallways during classes.
- Dress/prepare for the weather – bring a few tarps (they are easy to transport and light) just in case of rain and your kids can huddle under them if needing to wait outside or you can place them on the ground for a lunch spot.

