Field Trips

Program Booking Guide
Get your students outside and help them discover their environment through our award-winning interactive outdoor programs! We offer a wide array of nature-based, curriculum-connected programs for kids in grades K-12, led by trained interpreters.

### Programs at a Glance

#### ELEMENTARY PROGRAMS

- Garden Tour (all grades) - 2 hours
- Kids and Critters (Pre-K to Gr. 3) - 2 hours
- Going Buggy (Pre-K to Gr. 3) - 2 hours
- Wetland Wonders (K to Gr. 6) - 2 or 4 hours
- Acting Wild (Gr. 2 to 6) - 2 hours
- Plants 101 (Gr. 4) - 2 hours
- Plants and People (Gr. 4) - 2 hours
- Trees and Forests (Gr. 4 to 6) - 2 hours
- Wildlife of Alberta - I (Gr. 4 to 6) - 2 hours

#### JUNIOR HIGH / HIGH SCHOOL PROGRAMS

- Forest Ecology (Gr. 7 to 9) - 2 hours
- Wildlife of Alberta - II (Gr. 7 to 9) - 2 hours
- Conserving Biodiversity (Gr. 7 to 12) - 2 hours
- Aquatic/Terrestrial Study (Biology 20/30) - 4 hour

### FIELD TRIP SEASONS

- **SPRING** - May and June
  - Bookings start Sept. 4, 2018 for Spring 2019
- **SUMMER** - July & August
  - Bookings start May 15, 2019 for Summer 2019
- **FALL** - September & October
  - Bookings start May 15, 2019 for Fall 2019

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HOW TO BOOK YOUR FIELD TRIP

1. Pick Your Program
   Review the information in this guide to determine the right program for your class.

2. Submit a Field Trip Request Form
   Go to https://botanicgarden.ualberta.ca/programs-courses/kids-in-the-garden-programs/field-trips/field-trips-booking-request-form/

3. We’ll Get in Touch
   Once we receive your Field Trip Request, an Education team member will follow up to go over your booking details and prepare your contract.

4. Return Your Contract & Deposit
   Once we receive your signed contract and deposit, your booking will be confirmed.

PROGRAM PRICING

- **FULL DAY BOOKING** with Lunch Space
  - Additional $2/student for Aquatic/Terrestrial & Conserving Biodiversity programs
  - $13.10 Student

- **HALF DAY BOOKING** with Lunch Space
  - Unescorted time is subject to availability and can be scheduled before or after lunch.
  - $11.10 Student

- **HALF DAY BOOKING** without Lunch Space or Unescorted Time
  - $9.10 Student

CANCELLATION POLICY

- Number of students must be confirmed by email at least 5 business days prior to field trip date.
- Cancellation within 10 business days will be billed the entire booking amount. Deposits are non-refundable.
- The Garden does NOT cancel programs in inclement weather (e.g. rain, snow) unless severe.
Elementary Programs

GARDEN TOUR

All Grades
2 Hour Program

Learn interesting facts about the Japanese Garden, new Aga Khan Garden, indoor showhouses and butterfly house, led by a UABG interpreter.

Areas & concepts covered:

Kurimoto Japanese Garden
  • Japanese Culture
  • Japanese Landscape Design

Aga Khan Garden
  • Islamic Garden Design
  • Geometry and Pattern

Showhouses
  • Butterfly Life Cycles
  • Plant Adaptations
  • People’s Use of Plants [edible, medicinal & sensory]

Curriculum Ties:

Grade 1  Unit B: Seasonal Changes
  Unit D: Senses
  Unit E: Needs of Plants and Animals

Grade 2  Unit E: Small Crawling & Flying Animals

Grade 3  Unit E: Animal Life Cycles

GOING BUGGY

Pre-K to Grade 3
2 Hour Program

In this engaging program, students capture real insects and discuss their adaptations, feeding, reproduction and life cycles. Program includes interactive games and a tour of the butterfly house.

Concepts Covered:
  • Common Alberta Insects
  • Life Cycles: Complete and Incomplete
  • Egg, larvae, pupa, adult
  • Butterfly Life Cycles
  • Metamorphosis
  • Habitats

Curriculum Ties:

Grade 1  Unit B: Seasonal Changes
  Unit D: Senses
  Unit E: Needs of Plants and Animals

Grade 2  Unit E: Small Crawling and Flying Animals

Grade 3  Unit E: Animal Life Cycles

KIDS AND CRITTERS

Pre-K to Grade 3
2 Hour Program

An ideal way to connect younger students with animals of Alberta. Students learn about the life cycles and needs of our native critters, handle mounted specimens and play interactive games.

Concepts covered:
  • Native Alberta Species
  • Needs of Animals
  • Wildlife Habitat
  • Adaptations [types and reasons]
  • Food Webs

Curriculum Ties:

Grade 1  Unit B: Seasonal Changes
  Unit D: Senses
  Unit E: Needs of Plants and Animals

Grade 2  Unit E: Small Crawling and Flying Animals

Grade 3  Unit E: Animal Life Cycles
WETLAND WONDERS
K to Grade 6
2 or 4 Hour Programs Available

Use nets to capture a wide variety of pond critters, and take an in-depth look at the pond ecosystems at the Garden. Students also learn about frog life cycles and try their luck at catching some in our wetland areas.

Concepts Covered:
- Types of Wetlands
- Wetland Flora and Fauna
- Habitat
- Life Cycles: Complete and Incomplete
- Frog Life Cycles
- Adaptations
- Food Chain – consumer, producer, and decomposer

Curriculum Ties:
Grade 1: Unit B: Seasonal Changes
  Unit D: Senses
  Unit E: Needs of Plants and Animals
Grade 2: Unit A: Exploring Liquids
  Unit E: Small Crawling and Flying Animals
Grade 3: Unit E: Animal Life Cycles
Grade 4: Unit A: Waste and Our World
  Unit E: Plant Growth and Change
Grade 5: Unit E: Wetland Ecosystems
Grade 6: Unit D: Evidence and Investigation

*Students are encouraged to bring rubber boots or old runners for this program*

ACTING WILD
Grade 2 to Grade 6
2 Hour Program

Let loose and set your inner animal free! Learn all about the fascinating adaptations and needs of Alberta’s wildlife through role-play and drama.

Concepts Covered:
- Native Alberta Species
- Empathy Towards Wildlife
- Habitat and Diet
- Human Impacts
- Wildlife Relationships
- Adaptations: Different Types and Reasons
- Camouflage vs. warning colouration

Curriculum Ties:
Grade 1: Unit B: Seasonal Changes
  Unit D: Senses
  Unit E: Needs of Plants and Animals
Grade 2: Unit E: Small Crawling and Flying Animals
Grade 3: Unit D: Hearing and Sound
  Unit E: Animal Life Cycles
Grade 4: Unit A: Waste and Our World
  Unit E: Plant Growth and Changes
Grade 5: Unit D: Weather Watch
Grade 6: Unit D: Evidence and Investigation
  Unit E: Trees and Forests
PLANTS 101

Grade 4
2 Hour Program

An introduction to the fascinating world of plants! Students learn about basic plant parts and needs, adaptations to the environment, and plant ecosystems. Program includes a hike through native forest, tour of the indoor showhouses and interactive game.

Concepts Covered:
- Plant Anatomy
- Plant Reproduction
- Pollination
- Plant Adaptations
- Seed Dispersal
- Photosynthesis

Curriculum Ties:
Grade 4: Unit E: Plant Growth and Changes

PLANTS AND PEOPLE

Grade 4
2 Hour Program

Explore some of the many relationships between people and plants. Students learn different ways humans depend on and use plants, such as agriculture and medicine, and will plant a seed to take home!

Concepts Covered:
- Propagation
- Asexual Reproduction
- Human Uses of Plants
- How to Plant a Seed
- Plant Adaptations

Curriculum Ties:
Grade 4: Unit E: Plant Growth and Changes
TREES AND FORESTS

Grade 4 to Grade 6

2 Hour Program

An engaging introduction to the native plants in our local forests. Students learn about the parts of trees, how they function. Groups participate in a number of hands-on activities such as tree identification, and learn about forest wildlife.

Concepts Covered:

- Deciduous vs. Coniferous Trees
- Tree Identification
  - dichotomous key
  - leaf arrangements / varieties
- Tree Growth and Ring Layers
- Tree Anatomy
- Nutrient Transportation
- Native Alberta Species
- Wildlife Adaptations and Habitat

Curriculum Ties:

Grade 4: Unit A: Waste and Our World
  Unit E: Plant Growth and Changes

Grade 5: Unit D: Weather Watch

Grade 6: Unit D: Evidence and Investigation
  Unit E: Trees and Forests

WILDLIFE OF ALBERTA

Grade 4 to Grade 6

2 Hour Program

Discover the fascinating animals of Alberta and their connections to our local ecosystem. Study native wildlife hands-on with mounted specimens, interactive activities and a forest version of the Predator and Prey game that will help students learn about food webs and animal adaptations.

Concepts Covered:

- Alberta Native Species
- Animal Adaptations and Diet
- Food Web
- Herbivore, carnivore, omnivore
- Predator / Prey Relationships
- Human Threat
- Survival Strategies
- Habitat and Food Sources
- Ecosystems

Curriculum Ties:

Grade 4: Unit A: Waste and Our World
  Unit E: Plant Growth & Changes

Grade 5: Unit E: Wetland Ecosystems

Grade 6: Unit D: Evidence and Investigation
  Unit E: Trees and Forests
Junior High / High School Programs

FOREST ECOLOGY
Grade 7 to Grade 9
2 Hour Program

Students are introduced to native plants of the boreal, mixed-wood and parkland forests. Learn about tree processes and growth, and gain some tree identification skills. Program includes an examination of forest wildlife, habitats and survival adaptations.

Concepts Covered:
• Deciduous vs. Coniferous Trees
• Native Tree Species Identification
• Importance of Forest Fires
• Tree Growth and Ring Layers
• Tree Anatomy
• Forest Wildlife
• Habitats
• Survival Adaptations

Curriculum Ties:
Grade 7: Unit A: Interactions and Ecosystems
   Unit B: Plants for Food and Fibre
   Unit E: Planet Earth
Grade 8: Unit B: Cells and Systems
Grade 9: Unit A: Biological Diversity
   Unit C: Environmental Chemistry

WILDLIFE OF ALBERTA - II
Grade 7 to Grade 9
2 Hour Program

Discover the variety of wildlife species in Alberta and their connections to each other. Mounted specimens allow students to examine native animals and their diverse adaptations. Through an entertaining role-playing game, students have fun while learning about wildlife food webs.

Concepts Covered:
• Alberta Native Species
• Animal Adaptations and Interactions
• Predator / Prey Relationships
• Food Webs
• Human Threat
• Survival Strategies
• Habitat and Food Sources
• Ecosystems

Curriculum Ties:
Grade 7: Unit A: Interactions and Ecosystems
   Unit E: Planet Earth
Grade 8: Unit E: Freshwater and Saltwater Systems
Grade 9: Unit A: Biological Diversity
CONSERVING BIODIVERSITY

Grade 7 to Grade 12
2 Hour Program

Students will learn the importance of biodiversity in a natural ecosystem. Examine environmental issues and learn ways to help conserve nature through green living. Hands-on activities and time in the indoor showhouses are included in the program.

Concepts Covered:
- Biodiversity
- Wildlife Habitat
- Human Impacts on the Environment
- Biotic vs. Abiotic Factors
- Biological indicators
- Pond Health Testing: pH, Nitrogen, Ammonia, Phosphate
- Pond Turnover
- Specialist vs. Generalist
- Plant Adaptations
- Plant Uses for People

Curriculum Ties:
Grade 7: Unit A: Interactions and Ecosystems
  Unit B: Plants for Food and Fibre
  Unit C: Heat and Temperature
  Unit E: Planet Earth

Grade 8: Unit A: Mix and Flow of Matter
  Unit E: Freshwater and Saltwater Systems

Grade 9: Unit A: Biological Diversity
  Unit B: Matter and Chemical Change
  Unit C: Environmental Chemistry

AQUATIC / TERRESTRIAL PROGRAM

Biology 20/30
4 Hour Program

A study to compliment the Biology 20/30 curriculum. Students take an in-depth look at the flora and fauna of Albertan aquatic and terrestrial environments, completing many hands-on activities. Focus is on ecosystems and assessing ecosystem health through various testing techniques.

Concepts Covered:
- Biodiversity
- Biomagnification
- Biotic vs. Abiotic (Aquatic and Terrestrial)
- Natural Selection
- Succession
- Wetland Health
- Deciduous vs. Coniferous forests
- Human Effects
- Biological indicators
- Pond Health Testing: pH, Nitrogen, Ammonia, Phosphate
- Pond Turnover
- Tree Growth and Ring Layers
- Tree Identification (Dichotomous Keys)
- Soil Sampling (Abiotic Measurements)
- Coniferous vs. Deciduous forest

Curriculum Ties:
Science 10: Unit A: Energy and Matter in Chemical Change
  Unit C: Cycling of Matter in Living Systems

Science 20: Unit C: The Changing Earth
  Unit D: Changes in Living Systems

Science 30: Unit A: Living Systems Respond to their Environment

Biology 20: Unit A: Energy and Matter Exchange in the Biosphere
  Unit B: Ecosystems and Population Change
  Unit C: Photosynthesis and Cellular Respiration

Biology 30: Unit D: Population and Community Dynamics

Chemistry 20: Unit C: Matter as Solutions Acids and Bases
Additional Information

PROGRAM FEES

Students
Half Day (one program only, NO lunch space or unescorted time) ......................................................... $9.10/student
Half Day with Lunch Space (one program, with lunch space and unescorted time) ............... $11.10/students
Full Day (two programs, includes lunch space) ............................................................................................. $13.10
Aquatic/Terrestrial Study or Conserving Biodiversity Programs ............................................................ add $2/student material fee
Teachers / Aides ........................................................................................................................................ Free

Volunteers
Pre-K to Grade 3 .......................................................................................................................................... 1 free volunteer per 5 children
Grade 4 to 12 ............................................................................................................................................. 1 free volunteer per 8 children
All extra adults ........................................................................................................................................ Regular admission rate applies

BOOKING POLICIES

Group Size
Minimum 15 and maximum 30 students per group.
In the case of students with special needs, a lower minimum may be considered.

Booking Process
• To start the booking process, you must submit an online Field Trip Booking Request [available on our website].
• A Booking Request puts you in the queue for program bookings, and will be answered in the order it is received.
• Once we receive your request, we will follow up to finalize your booking details and prepare your contract.
• Your booking is not confirmed until you have returned a signed contract and non-refundable deposit.
• We will contact you a few weeks prior to your field trip to confirm arrangements and answer any questions you have.
• You must confirm the number of students by email at least 5 business days prior to field trip date. If there are more students on your field than confirmed, extra charges will be applied to your final invoice. If there are fewer students, adjustments may be considered on a case-by-case basis.

Cancellations
• The Garden does NOT cancel field trips in inclement weather [eg. rain, snow], except in the case of severe or dangerous conditions [eg. tornado warning, extreme winds].
• The Garden is not responsible for bussing fees if program is cancelled due to severe weather.
• Cancellations by the school within 10 business days of field trip date, or no-shows, will be billed the entire booking amount. Deposits are non-refundable.
Field Trip FAQs

How far ahead should I book my field trip?
Field trips fill quickly. To avoid disappointment, book early. Bookings for spring field trips start September of the previous year. Bookings for summer and fall field trips begin in mid-May for that year.

What should my students bring?
• appropriate clothing for the weather
• appropriate footwear for spending a day outdoors, with walking
• rubber boots or old runners for wetland programs
• bagged lunch
• sunscreen and bug spray recommended during spring/summer months
We will provide you with a take-home list for your students at the time of booking.

What happens if it’s raining?
We operate our programs rain or shine. Our interpreters will do their best to keep your group engaged and having fun, but it is essential that students come dressed in weather-appropriate clothing. We will also ensure that you have a dry area to eat your lunch if you have booked a lunch space option. In the case of extreme or dangerous weather, the Garden will contact schools the morning of the field trip to reschedule (subject to availability).

What is the driving time to the Garden?
We are located in Parkland County, 5 km north of Devon on 60.
From downtown Edmonton – approx. 45 minutes
From SW Edmonton – approx. 20 minutes
From east Edmonton – approx. 30-45 minutes
If you want a good estimation of travel time, look for our location on Google Maps (University of Alberta Botanic Garden, 51227 AB-60, Spruce Grove, T7Y 1C5)

Will we have somewhere to eat our lunch?
If you have a full-day or half-day with lunch booking, you will have a spot reserved for your group to have lunch. If you book a half-day program without lunch, there will be no space reserved for your group.

Do my students need to bring a lunch?
Yes, students and staff must bring their own bagged lunch. Microwaves are not available.

Do you offer discounted rates to schools/organizations with limited funding?
A limited number of bursaries are available from the Friends of the Garden. Please contact the Education department for more information.
The University of Alberta Botanic Garden (formerly the Devonian Botanic Garden) is a stunning 97 hectare (240-acre) property located in Parkland County, 15 minutes southwest of Edmonton.

The U of A Botanic Garden, established in 1959, is an award-winning visitor attraction, a research site, and home to year-round adult and children’s education programming.

In addition to many garden areas, features include:

- Extensive natural forests and wetlands
- Aga Khan Garden (new in 2018), Indigenous Garden, Kurimoto Japanese Garden
- Indoor showhouses and tropical butterflies