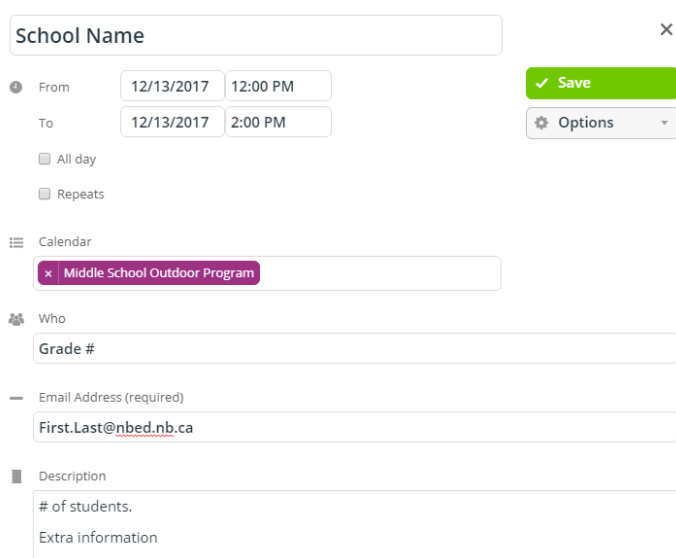


## www.meduxnekeag.org Outdoor Environmental Education Program

The Meduxnekeag Outdoor Environmental Education (MOEE) Program is a curriculum linked, inquiry based outdoor program. Created as an extension of our elementary programs: Guided Preserve Tours and the Meduxnekeag River Association Environmental Showcase. Each program requires 2 hours to complete, excluding travel time. Grade 7 students participate in a soil sampling program on the Bell Flats Nature Preserve which is located at 120 Bell Settlement Road.

### Frequently Asked Questions

**How do you book an Outdoor Environmental Education Program?** The following link <https://teamup.com/ks4020f784a423c477> will take you to our calendar where you can see the times that we have available. Pick a date and time that works for you, right click on that time slot and a window will pop up. Please fill in the following information: School, Grade, Date, Time, and Teacher's Name and Teacher's Email. *If for any reason you are having difficulties with the booking site please contact Jennifer at [meduxnekeag@nb.aibn.com](mailto:meduxnekeag@nb.aibn.com) or 328-8227 to book directly.*

A screenshot of a booking form interface. At the top is a text input field for "School Name" with a close button (x). Below this are two date and time selection fields: "From" (12/13/2017, 12:00 PM) and "To" (12/13/2017, 2:00 PM). To the right of these fields are two buttons: a green "Save" button with a checkmark and a grey "Options" button with a gear icon. Below the date/time fields are two checkboxes: "All day" and "Repeats". A "Calendar" section shows a list of events, with "Middle School Outdoor Program" selected and highlighted in purple. Below the calendar is a "Who" section with a "Grade #" input field. Underneath is an "Email Address (required)" field with the placeholder text "First.Last@nbed.nb.ca". At the bottom is a "Description" section with a text area containing "# of students." and "Extra information".

**How long is the MOEE Program?** Each program is 2 hours long.

**What do students need to bring/ wear?** Students should be dressed for the weather, we walk rain or shine. Sturdy shoes are a must. Please no sandals or cros as the trails can become slippery and muddy in areas. Bug spray, sun screen and water are also advisable to have on hand. All experiment equipment will be provided by the Meduxnekeag River Association.

**Are the MOEE Programs grade specific?** Yes the programs are grade specific to optimize curriculum connections. Grade 6-Tree Measurements. Grade 7- Soil Sampling. Grade 8- Water testing.

**Can split classes participate in the MOEE Programs?** Yes, split classes are welcome to participate, but the teachers must decide which program fits their students learning goal. Unfortunately we are unable to provide different grade programs concurrently.

**How many students can be accommodated in one booking?** One class, or approximately 30 students can participate in the program in a single booking.

**Who books the bus?** It is the school's/teacher's responsibility to book the bus.

**Who is responsible for the cost of the bus?** The Meduxnekeag River Association will cover the cost of the bus.

**Where is the preserve? Bell Flats** Directions from Kojax/Petro Canada 121 Highway 550. Continue past Kojax on the 550 for 2 km. Turn left on Red Bridge Road continue for 4 km and turn right onto Bell Settlement Road(do not cross the

bridge). Bell Forest is 200 Bell Settlement Road approximate 4 km on the left. There is no off the road parking at this location.

**Are there lesson plans provided for these programs?** Yes, each program has its own lesson plan that will be sent to you upon booking a program. Lesson plans can also be found on our website [Meduxnekeag.org](http://Meduxnekeag.org) or by email request

**Are there follow up activities that can be done in class?** Yes, there are suggested follow-up activities for each program. Located at the bottom of the lesson plan.

**Will the data collected by provided to teachers to discuss and us in future lessons?** Yes, all data collected will be scanned and sent to teachers within 48 hours of completing the experiment.

## **How are the MOEE Programs Curriculum Linked?**

### **Science**

Attitude Outcome for grade 6-8

*422- appreciate the role and contribution of science and technology in our understanding of the world*

*425- show a continuing curiosity and interest in a broad scope of science related fields and issues*

*430-persist in seeking answers to difficult questions and solutions to difficult problems*

*431- work collaboratively in carrying out investigations as well as in generating and evaluating ideas*

*432-be sensitive and responsible in maintaining a balance between the needs of humans and a sustainable environment*

*433-project, beyond the personal, consequences of proposed action*

Unit 2: Earth's Crust

*Science- Technology- Society- Environment (STSE) Outcomes*

110-4: describe examples of how scientific knowledge has evolved in the light of new evidence

111-2: provide examples of technology used in scientific research

113-1: identify some positive and negative effects and intended and unintended consequences of particular science or technological development

*Skill Outcomes*

209-4: organize data, using a format that is appropriate to the task or experiment

209-6: use tools and apparatus safely

210-6: interpret patterns and trends in data, and infer and explain relationships among the variables

211-3: work co-operatively with team members to develop and carry out a plan, and trouble shoot problems as they arise

*Knowledge*

310-1: describe the composition of the Earth's crust

310-2: classify minerals based on their physical characteristic by using a dichotomous key

310-3: classify various types of soil according to their characteristics, and investigate ways to enrich soils

311-2: explain how various rocks can be weathered

311-3: relate various meteorological, geological, and biological processes to the formation of soil

### **English Language Arts**

1. Students will be expected to speak and listen to explore, extend, clarify, Students will be expected to speak and listen to explore, extend, clarify, and reflect on their thoughts, ideas, feelings, and experiences.

-recognize that contributions from many participants are needed to generate and sustain discussions

5. Students will be expected to interpret, select, and combine information, using a variety of strategies, resources, and technologies.

8. Students will be expected to use writing and other ways of representing to explore, Students will be expected to use writing and other ways of representing to explore, clarify, and reflect on their thoughts, feelings, experiences, and learnings; and to use clarify, and reflect on their thoughts, feelings, experiences, and learnings; and to use their imagination.

### **Social Studies**

*By the end of grade 9, students will be expected to:*

Compare and analyze how cultures is preserved, modified, and transmitted

Identify and use concepts associated with time, continuity, and change

Explain how values and perspectives influence interactions among people, technology, and the environment

Use geographic tools, technologies, representations to interpret pose and answer questions about natural and human systems

*By graduations, students will be able to continue learning and to pursue an active healthy lifestyle*