

DINOSAURS

KINDERGARTEN

Young archaeologists will have fun on a "dinosaur dig" and "fossil exploration." They are rewarded with a dinosaur and a fossil rub to take home from their adventure.

Four adult helpers are **mandatory**

Field trip length: 1 hour

Field trip cost:

\$6.93 per student

Minimum cost: \$127.05



MAXIMUM CLASS SIZE:

**30 STUDENTS FOR ALL
FIELD TRIPS**

Oversize classes (classes greater than 30 students) will be assessed a surcharge of \$15.75 per extra student.

Cancellation Policy:

All field trip cancellations will be charged a \$50 administration fee.

All Prices Quoted
INCLUDE the GST

We apply a 10% discount to these field trips:

Senses
Rocks and Minerals
Awesome Bridges
Wheels & Levers
Light and Shadows
Mechanisms Using Electricity
Classroom Chemistry
Evidence and Investigation

if a field trip is booked twice and the following are met:

- ✓ SAME FIELD TRIP
- ✓ SAME DAY
- ✓ SAME SCHOOL
- ✓ SAME ROOM

Prices quoted are for schools within the Edmonton City limits. All other schools will be assessed an additional travel fee per visit.

You can reach us at:

Hands On!

Birgitte Dam

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email:

handsonscience@shaw.ca

HANDS ON!



**Educational
Field Trips
Coming
to your
Classroom!**

2009 - 2010

www.handsonscience.ca

email: handsonscience@shaw.ca

Hands On! provides science learning opportunities for elementary students – grades K, 1, 2, 3, 4, 5 and 6.

We come to your school, bringing all the materials necessary to provide your students with fun, interactive, and educational experiences. Our field trips complement the current Alberta Learning curriculum, enhance the students understanding of concepts and ease the workload of the teacher. We come to you; all you need to provide is the space to work in, and the adult volunteers to supervise the field trip!

The following is a brief overview of the field trips we offer. More detailed information is available by contacting Hands On! or by visiting www.handsonscience.ca

SENSES

GRADE ONE

Students will identify each of the 5 senses and explore their uses in a hands on way.



Five adult helpers are **mandatory**
Field trip length: 1.5 hours
Field trip cost: \$173.25 flat rate

SAILORS & SAILBOATS

GRADE ONE

Students will be proud when they build their own wooden sailboats and create sailor figures to go with them. The best part is: everyone gets to take home what he or she makes!



Mandatory adult helpers
Ratio 1:5 students
Field trip length: 1.5 hours
Field trip cost: \$8.45 per student
Minimum cost: \$150.90

BUOYANCY & BOATS

GRADE TWO

Students will enjoy being scientists by performing buoyancy experiments with a variety of materials. They will also have fun being carpenters and building their own paddle boats to take home.

Four adult helpers are **mandatory**
Field trip length: 1.5 hours
Field trip cost: \$8.45 per student
Minimum cost: \$150.90

MAXIMUM CLASS SIZE IS 30 STUDENTS FOR ALL FIELD TRIPS
Oversize classes (classes greater than 30 students) will be assessed a surcharge of \$15.75 per extra student.

All Prices Quoted Include the GST

MAGNETISM

GRADE TWO

Students will explore magnetism using a variety of different magnets. They will learn about polarity and other properties of this fun subject. Watch as each student magnetizes a pair of scissors which they then get to take home with them.

Five adult helpers are **mandatory**
Field trip length: 1.5 hours
Field trip cost: \$8.09 per student
Minimum cost: \$144.37

ROCKS & MINERALS

GRADE THREE

Students will discover similarities and differences in Rocks, Minerals and Soil. They will do this by testing, classifying, and observing the characteristics of these samples.

Five adult helpers **mandatory**
Field trip length: 2 hours
Field trip cost: \$173.25 flat rate

AWESOME BRIDGES

GRADE THREE

Students will be intrigued when they work in groups at building scale models of Roman Arch, Truss, Girder and Suspension Bridges out of "stone", metal, cable and wood.

Four adult helpers are **mandatory**
Field trip length: 2 hours
Field trip cost: \$219.45 flat rate



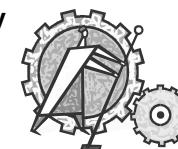
This field trip must be held in a ground floor room with open floor space. If your school has indoor or outdoor stairs and no elevator or ramp, we are unable to deliver the field trip at your school -- no exceptions.

WHEELS & LEVERS

GRADE FOUR

Students will explore the different techniques that can be used to transfer force into motion, i.e. friction, class 1, 2, 3 levers, gears and pulleys.

Five adult helpers are **mandatory**
Field trip length: 2 hours
Field trip cost: \$173.25 flat rate



LIGHT & SHADOWS

GRADE FOUR

Students will learn that light is another form of energy. Using mirrors and prisms students will discover that light can be reflected, refracted or split into colours. Students will learn that the path of light can be affected by different materials. They will also observe shadows created by light sources and discuss their motion relative to that light source.

Five adult helpers are **mandatory**
Field trip length: 2 hours
Field trip cost: \$184.80

CLASSROOM CHEMISTRY

GRADE FIVE

Students will conduct a number of experiments to discover what happens when solids and liquids are mixed together. They will learn that some materials will dissolve, some will react with each other, some will remain unaffected, some reactions will be reversible, and some not.

Five adult helpers are **mandatory**
Field trip length: 2 hours
Field trip cost: \$184.80

This field trip must be held in a room with a sink and water and at least one electrical outlet.

MECHANISMS USING ELECTRICITY

GRADE FIVE

Students will build and experience simple, series and parallel circuits using batteries, lights and buzzers. These elements are then used in experiments with burglar alarms and powering a model school bus with lights and a motor.

Five adult helpers are **mandatory**
Field trip length: 2 hours
Field trip cost: \$173.25 flat rate



FLIGHT

GRADE SIX

Students apply their knowledge of aerodynamics to construct, test and modify their own paper and wood plane. The principles of flight are examined, tested and discussed through various experiments. Constructed models will remain with the classroom.

*** Gymnasium use is MANDATORY for the last 30 minutes of this field trip.**

2 - 3 adult helpers are **mandatory**
Field trip length: 2 - 2.5 hours
Field trip cost: \$9.24 per student
Minimum cost: \$184.80

EVIDENCE & INVESTIGATION

GRADE SIX

Using a mock crime scene, students will apply their skills and knowledge in investigating and analyzing evidence of human and animal activity. By using methods learned, students will work in teams to use paper chromatography, lift fingerprints, and analyze hair & fibres, handwriting, footprints, & soil in an effort to link a suspect to the scene of the crime.

Four adult helpers are **mandatory**
Field trip length: 2.5 hours
Field trip cost: \$219.45 flat rate