



Operation Minerva Volunteer Application Form

TITLE:		WORK ADDRESS:	
NAME:		CITY:	
EMPLOYER:		POSTAL CODE:	
POSITION:			
PHONE (W):		HOME ADDRESS:	
PHONE (H):		CITY:	
FAX:		POSTAL CODE:	
CELL:			
EMAIL:			

AREA(S) OF EXPERTISE, PRESENTATION TOPIC(S) OR CAREER TOPIC

(<http://education.alberta.ca/teachers/program/science/programs.aspx>):

EXPERIENCE WITH STUDENTS & AREAS OF INTEREST/HOBBIES WITH A SCIENTIFIC "TWIST"

(such as "Scuba & Pressure," "Women & Girls in Science", or "Model Airplanes"):

WHICH VOLUNTEER SERVICES ARE YOU WILLING TO OFFER? (Operation Minerva services are in bold print but please check all that you may be willing to help us out with in one of our other support services.)

- | | | |
|---|--|---|
| <input type="checkbox"/> Scientists & Engineers-in-the-Classroom | <input type="checkbox"/> Careers mentor | <input type="checkbox"/> Board Member |
| <input type="checkbox"/> Field trip leader for classes/teachers | <input type="checkbox"/> Mentor to new volunteers | <input type="checkbox"/> Steering committee member |
| <input type="checkbox"/> Teacher Workshop presenter | <input type="checkbox"/> Contact resource - answer questions in your area of expertise | <input type="checkbox"/> Resource kit volunteer |
| <input type="checkbox"/> Science Fair judge
(local/regional/Treaty7) | | <input type="checkbox"/> Events, booths, mailings, etc. |

If you are willing to also assist Praxis in our SEITC program that finds guest speakers for science teachers (Also complete page three topics):

Which GRADE LEVELS ARE YOU WILLING TO WORK WITH?

- Any
 Kindergarten
 1-3
 4-6
 7-9
 10-12
 Teachers/Adults

WHICH SIZE OF GROUP WOULD YOU BE WILLING TO WORK WITH? (Most requests are for one class at a time)

- Any size
 Small Group 2-12
 One class at a time ~25
 Multiple classes ~50-100
 Auditorium

AVAILABILITY (Most visits are during school hours.)

- Business hours
 Evenings
 Weekends

HOW MANY CLASSROOM VISITS WOULD YOU WILLING TO DO PER YEAR?

- Monthly
 Bi-monthly
 Other:
 Depends on schedule

LANGUAGES SPOKEN FLUENTLY (check all that apply)

- English
 French
 Spanish
 Other _____

WOULD YOU CONSIDER VISITING SCHOOLS OUTSIDE THE MEDICINE HAT REGION?

- 50-100 km
 Over 100 km

Please complete and return your **signed** the forms to PRAXIS by mail, fax or scan & email.

EDUCATIONAL BACKGROUND:

Degree/Diploma/Certificate

Specialization University/College/
Institute

Year Graduated

1.

2.

3.

PROFESSIONAL MEMBERSHIPS:

APEGGA I previously volunteered with APEGGA I consent to releasing my information to APEGGA, for the purposes of recognition and accreditation.
This section for APEGGA members only

Other memberships: _____

Volunteer,

Note that in participating in the activities of PRAXIS, you will be acting independently, and not as the servant, employee, or agent of PRAXIS. As a volunteer you are expected to behave in an ethical manner while taking part in activities of PRAXIS: Operation Minerva. **"I am aware that for the safety and well-being of all concerned, the Operation Minerva students remain together as a group and that individual students are not to work alone with an adult."** If you are willing to volunteer for Praxis in another capacity such as assisting supervision of students on overnight field trips, a police security clearance and child welfare check may be required. You would be informed in advance if this is the case.

Signature: _____ Date: _____

Please have two references sign (professional colleagues, employer, etc.)

References,

Volunteers are working with young people and therefore must be ethical and responsible individuals. Please sign below to indicate that you have read this completed application and to the best of your knowledge the information is true and complete. Your signature indicates that you know this individual's character well enough to recommend this person as a Praxis volunteer.

Reference 1: _____

Known Applicant? ___ Yrs.

Address: _____

Phone: _____

Employer/Position: _____

Email: _____

Affiliation to Volunteer: _____

Signature: _____

Reference 2: _____

Known Applicant? ___ Yrs.

Address: _____

Phone: _____

Employer/Position: _____

Email: _____

Affiliation to Volunteer: _____

Signature: _____

QUESTIONS? Please contact the program coordinator by phone, fax or email as shown below.

Volunteer presenters are advised that safe hands-on learning activities with the participants leave the best and most long lasting impressions. As a Praxis volunteer you are covered by our liability insurance. Volunteers should have their own auto and health insurance as school policies may not cover visitors.

WOULD YOU LIKE TO BECOME A MEMBER OF PRAXIS?

Yes No

Membership is free and is open to anyone interested in promoting science knowledge, subject to approval. Members will receive meeting notices, can attend and speak at general meetings, and can vote, as outlined in the Bylaws. See www.praxismh.ca to access the online membership form.



PRAXIS SOCIETY

Linda Cooper, Coordinator Operation Minerva
Phone: .403-527-5365, Fax: 403-528-6570, Email: praxis@praxismh.ca
c/o MHHS, 200 7th Street S. W., Medicine Hat, Alberta, T1A 4K1



Units in Alberta Science Curriculum – Grades 1 – 12

I would be willing to act as a guest speaker in the classroom on the following topics (if volunteering to do additional presentations outside of Operation Minerva). Check all that apply.

(Curriculum Details at <http://www.education.alberta.ca/parents/resources/handbook.aspx>)

Grade	Unit A	Unit B	Unit C	Unit D	Unit E
Grade 1	Creating Colour	Seasonal Changes	Building Things	Senses	Needs of plants and animals
Grade 2	Exploring Liquids	Buoyancy and Boats	Magnetism	Hot and Cold temperatures	Small Crawling and Flying Animals
Grade 3	Rocks and Minerals	Building with a Variety of Materials	Testing Materials and Designs	Hearing and Sound	Animal Life Cycles
Grade 4	Waste and Our World	Wheels and Levers	Building Devices and Vehicles that Move	Light and Shadows	Plant Growth and Changes
Grade 5	Electricity and Magnetism	Mechanisms Using Electricity	Classroom Chemistry	Weather Watch	Wetland Ecosystems
Grade 6	Air and Aerodynamics	Flight	Sky Science	Evidence and Investigation	Trees and Forest
Grade 7	Interactions and Ecosystems	Plants for Food and Fibre	Heat and Temperature	Structure and Forces	Planet Earth
Grade 8	Mix and Flow of Matter	Cells and Systems	Light and Optical Systems	Mechanical Systems	Freshwater and Saltwater Systems
Grade 9	Biological Diversity	Matter and Chemical Change	Environmental Chemistry	Electrical Principles and Technologies	Space Exploration
Science 14	Investigating Properties of Matter	Understanding Energy Transfer Technologies	Investigating Matter and Energy in Living Systems	Investigating Matter and Energy in the Environment	<p style="font-size: 24pt; font-weight: bold; margin: 0;">Volunteer Name:</p> <p style="font-size: 24pt; font-weight: bold; margin: 0;">_____.</p> <p style="font-size: 18pt; font-weight: bold; margin: 0;">Please check the boxes next to the topics that you are willing to give classroom presentations.</p> <div style="text-align: center; margin-top: 20px;"> </div>
Science 24	Applications of Matter and Chemical Change	Understanding Common Energy Conversion Systems	Disease Defence and Human Health	Motion, Change and Transportation Safety	
Science 10	Energy and Matter in Chemical Change	Energy Flow in Technological Systems	Flow of Matter in Living Systems	Energy Flow in Global Systems	
Science 20	The Changing Earth	Changes in Living Systems	Chemical Changes	Changes in Motion	
Science 30	Living Systems Respond to their Environment	Chemistry and the Environment	Electromagnetic Energy	Energy and the Environment	
Biology 20	The Biosphere	Energy Flows and Cellular Matter	Energy and Matter Exchange in Ecosystems	Energy and Matter Exchange by the Human Organism	
Biology 30	Systems Regulating Change in Human Organisms	Reproduction and Development	Cells, Chromosomes and DNA	Change in Populations and Communities	
Chemistry 20	Matter as Solutions, Acids, Bases and Gases	Quantitative Relationships in Chemical Changes	Chemical Bonding in Matter	The Diversity of Matter: An Introduction to Organic Chemistry	
Chemistry 30	Thermochemical Changes	Electrochemical Changes	Equilibrium, Acids and Bases in Chemical Changes	Energy and the Environment	
Physics 20	Kinematics and Dynamics	Circular Motion and Gravitation	Mechanical Waves	Light	
Physics 30	Conservation Laws	Electric Forces and Fields	Magnetic Forces and Fields	Nature of Matter	