Volunteer Registration Form

Please complete and return your **signed** form (2 pages) to ESON by mail, fax or Email (scan document)
Edmonton Science Outreach Network, c/o Katherine Therrien School, 15040 118 St., Edm, AB, T5X 1Y7
Phone: (780) 448-0055, **Fax** (780) 453 2711, **Email**: esons@telus.net, **Website:** www.sciencehotline.ca

Title: _____ First name: _____ Last name: _____

Address: _____City: _____ Postal code: _____

Phone (H): _____ (W): _____ (C): _____ Email: _____

Employer: _____::_____Position: _____

Professional Memberships: □ APEGGA □ Other: _____

If a member of APEGGA, do you consent to ESON releasing your information for the purposes of recognition and accreditation? □ Yes

Area(s) of expertise: _____

Scientific interests/hobbies: _____

Which volunteer services are you willing to offer?

□ Scientists & Engineers-in-the-Classroom
□ Field tip leader for classes/teachers
□ Teacher science workshop presenter
□ Science fair judge
□ Mentor to new volunteers
□ Careers Mentor
□ Ask-A-Scientist resource (answer questions in your area of expertise)
□ Resource Development
□ Events, booths, mailings, etc.
□ Board Member

Which grade levels are you willing to work with?

□ Kindergarten □ 1-3 □ 4-6 □ 7-9 □ 10-12 □ Teachers/adults

Which size group would you be willing to work with? (Most requests are for 1 class at a time)

□ One class at a time □ Multiple classes □ Auditorium □ Any size

What is your availability? (Most visits are during the school day)

□ Business hours □ Evenings □ Weekends

Would you consider visiting schools outside Edmonton? □ No □ Yes (□ 50-100 km □ over 100 km)

Languages spoken fluently (check all that apply)

□English □ French □ Spanish Other: _____

Volunteer,

Note that in participating in the activities of ESON, you will be acting independently, and not as the servant, employee or agent of ESON. As a volunteer you are expected to behave in an ethical manner while taking part in activities of ESON. You must also ensure that the teacher remains with the class during your entire scheduled activity.

Name _____Signature: _____ Date: _____

References, PLEASE HAVE TWO REFERENCES SIGN (professional colleagues, employer etc.)

ESON volunteers work 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 them as a classroom volunteer.

Name: _____Employer/position: _____ Known Applicant __ Yrs.

Address: _____ Phone: _____Email: _____

Affiliation to volunteer: _____ Signature: _____

Name: _____Employer/position: _____ Known Applicant __ Yrs.

Address: _____ Phone: _____Email: _____

Affiliation to volunteer: _____ Signature: _____

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Thank you for agreeing to volunteer with Edmonton Science Outreach Network. Your help is invaluable to the work that we do. After this form is submitted and processed, the Executive Director will arrange to meet up with you to talk through the roles available, offer any training and answer any questions you may have. If you have any immediate questions do not hesitate to get in touch with the Program Coordinator at esons@telus.net

Scientists & Engineers-in-the-Classroom - Possible Topics for Presentations:

Please check any of the topics in grades 1-12 that you would be willing to present. To access the Alberta Science Program of Studies, visit the Alberta Education website:www.education.alberta.ca/teachers/program/science.aspx

Grades 1-9: For detailed information on each topic, you may download Program of Studies as indicated below
www.education.alberta.ca/media/654825/elemsci.pdf for Grade 1-6
www.education.alberta.ca/media/654829/sci7to9.pdf for Grade 7-9

Grade	Unit A	Unit B	Unit C	Unit D	Unit E
Grade 1	☐ Creating Color	☐ Seasonal Changes	☐ Building Things	☐ Senses	☐ Needs of Animals & Plants
Grade 2	☐ Exploring Liquids	☐ Buoyancy and Boats	☐ Magnetism	☐ Hot & Cold Temperature	☐ Small Crawling and Flying Animals
Grade 3	☐ Rocks and Minerals	☐ Building with a Variety of Materials	☐ Testing Materials and Design	☐ Hearing and Sound	☐ Animal Life Cycles
Grade 4	☐ Waste and Our World	☐ Wheels and Levers	☐ Building Devices & 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 Forests
Grade 7	☐ Interactions and Ecosystems	☐ Plants for Food and Fiber	☐ Heat and Structure	☐ Structures and Forces	☐ Planet Earth
Grade 8	☐ Mix and Flow of Matter	☐ Cells and Systems	☐ Light and Optical Systems	☐ Mechanical Systems	☐ Fresh Water and Salt Water Systems
Grade 9	☐ Biological Diversity	☐ Matter and Chemical Change	☐ Environmental Chemistry	☐ Electrical Principles and Technologies	☐ Space Exploration

Grades 10 – 12: If you require detailed information please contact us or visit the Alberta Education website: www.education.alberta.ca/teachers/program/science.aspx to download the individual course Programs of Study.

Course	Unit A	Unit B	Unit C	Unit D
Science 14	☐ Investigating Properties of matter	☐ Understanding Energy Transfer Technologies	☐ Investigating Matter and Energy in Living Systems	☐ Investigating Matter and Energy in the Environment
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	☐ Cycling Matter in Living Systems	☐ Energy Flow in Global Systems
Science 20	☐ Chemical Changes	☐ Changes in Motion	☐ The Changing Earth	☐ Changes in Living Systems
Science 30	☐ Living Systems Respond to their Environment	☐ Chemistry and the Environment	☐ Electromagnetic Energy	☐ Energy and the Environment
Biology 20	☐ Energy and Matter Exchange in the Biosphere	☐ Ecosystems and Population Change	☐ Photosynthesis and Cellular Respiration	☐ Human Systems
Biology 30	☐ Nervous and Endocrine Systems	☐ Reproduction and Development	☐ Cell Division, Genetics and Molecular Biology	☐ Population and Community Dynamics
Chemistry 20	☐ The Diversity of Matter and Chemical Bonding	☐ Forms of Matter: Gases	☐ Matter as Solutions, Acids and Bases	☐ Quantitative Relationships in Chemical Changes
Chemistry 30	☐ Thermochemical Changes	☐ Electrochemical Changes	☐ Chemical Changes of Organic Compounds	☐ Chemical Equilibrium with Focus on Acid-Base Systems
Physics 20	☐ Kinematics	☐ Dynamics	☐ Circular Motion, Work and Energy	☐ Oscillatory Motion and Mechanical Waves
Physics 30	☐ Momentum and Impulse	☐ Forces and Fields	☐ Electromagnetic Radiation	☐ Atomic Physics