



## Sample- Past Winner

# Devon Canada's Science Giants Grant

### Application Form

School Name:

School Street Address:

City:

Province: AB

Postcode:

Teacher / Applicant Name:

Email:

School Telephone Number:

Alternate Telephone Number:

Principal Name:

How did you hear about the

Science Giants grant: Devon Employee

How many students attend your school? 357

Is this an aboriginal school? No

What is the aboriginal population percentage?

Confirm how many students will benefit from the grant?: At least 300

What is the title of your project?: Connecting with Our Ecosystem

Have you received Science Giants grant funding before?: No

Will you need extra funding to complete your project?: No

Explain how the grant will be allocated to impact and improve student achievement in science.

How many students will benefit from the grant? The Junior/Senior High is located within the ecosystem of the Bow Valley. We believe it is important that our students engage in science and research within their own community. Through experiential learning provided by this grant our students will develop deep and lasting connections to their local ecosystem. Grades 7- 12 inclusively will conduct water testing, soil testing, use field microscopes, and record field work with a Go Pro Camera. Water testing will analyze water quality and help students to understand water dynamics. Soil testing will test pH and determine constituents of soil to help us understand where our soil comes from as well as geological histories. The field microscopes and stereomicroscopes will allow for viewing of samples and organisms both in the field and in the classroom. Students will learn about life cycles of insects and invertebrates as well as the adaptations they possess. The Go Pro camera will be used by students to analyze, record, and monitor their field work. There is little work that we can do that is more important than providing our students with hands on learning opportunities that connects them to their local

ecosystem. Providing real life connections to their classroom material will improve students understanding and academic achievement. This grant will lay the ground work for students to conduct research over multiple years. They will be able to see and analyze the change over a multiyear time period impacting their view of and appreciation for the Bow Valley for years to come.

How much are you requesting (\$5,000 maximum)? Please provide a detailed budget breakdown?

<b>Description</b>	<b>Amount</b>
Stereomicroscope x 8	\$2336
Celestron LCD Handheld Digital Microscope x 4	\$636
Go Pro Hero3 HD Waterproof	\$300
Digital Turbidity Meter	\$717
Plankton Net x5	\$550
Stream Ecology Test Kit	\$112
Phosphates Water Quality Test	\$96
Nitrite Water Quality Test	\$90
Nitrate Water Quality Test	\$107
Dissolved Oxygen Water Test Kit	\$65

How will you report to Devon on the outcomes of your funding (i.e. pictures, testimonials)? A video will be submitted to Devon show the outcomes of the materials purchased with this grant money. The video will feature the field research process by students in grades 7-12. It will showcase their collection of data, analysis, and impact the new equipment has had on their learning experience. Teachers will also comment on the impact of the funding in the video.