

PARTNERS IN EDUCATION

**CAREER
AWARENESS
INITIATIVES
2018-2021**

**SCHOOL
DISTRICT**



**NECHAKO
LAKES**



centerraGOLD



INTRODUCTION

School District No. 91 (Nechako Lakes) gratefully acknowledges that we live, work, and play on the unceded, ancestral territories of fourteen First Nations representing the Dakelh, Nedut'en and Wet'suwet'en peoples.

School District No. 91 Career & Trades Programs along with our 'Partners in Education' strive to continually provide all our students 'Real and Relevant' career awareness opportunities. Partner funding creates and expands educational programming that greatly enhances our ability to connect students with local and regional partners.

APPLIED SKILLS

Applied skills are a broad set of knowledge, skills, work habits, and character traits believed to be critically important to success in school and beyond. These include hands-on skills like carpentry or machine works, as well as skills related to careers in health and environment.

TECHNOLOGY SKILLS

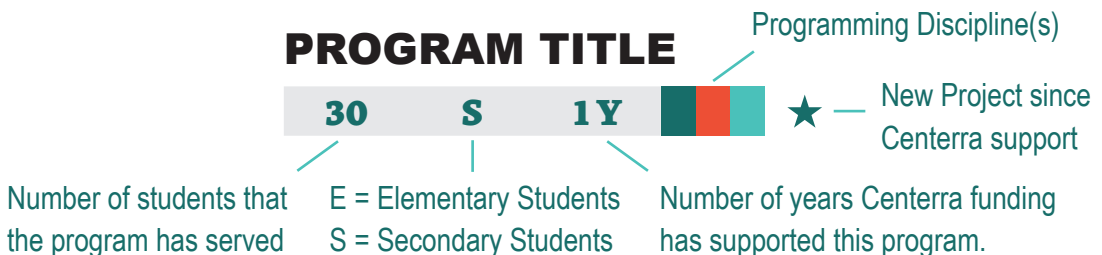
Technology skills are a broad set of select and appropriate tools/technologies that extend students' capability to understand and relate to mechanical, information technology, mathematical, or scientific tasks. Some examples include knowledge of programming languages, mechanical equipment, or tools.

WATERSHED SKILLS

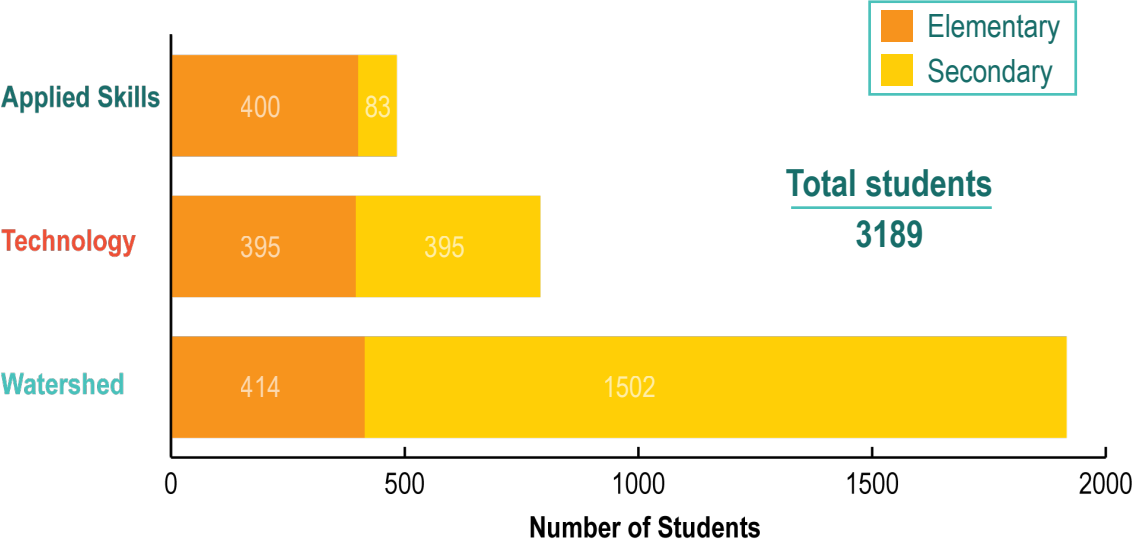
Watershed skills cover a broad range of educational outcomes that relate to the technical, social, environmental, community and First Nations interactions within the Nechako Watershed. Students gain greater understanding of the many facets that encompass a watershed.

LEGEND

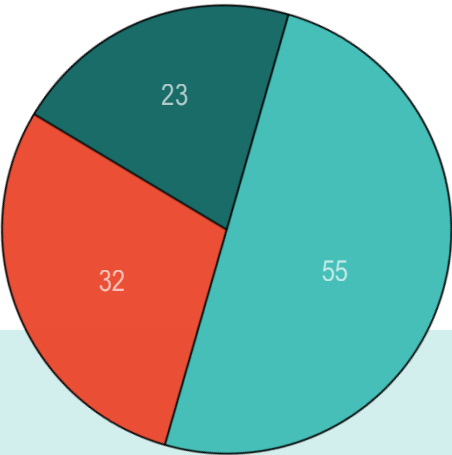
PROGRAM TITLE



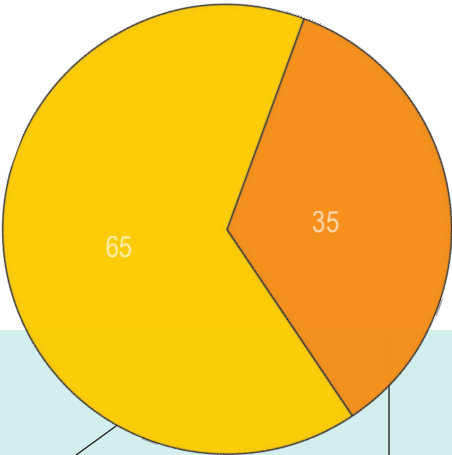
Number of students in Elementary and Secondary that participated in Centerra funded programming for each of the three program disciplines.



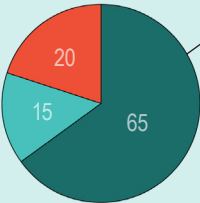
Percent of Centerra funding to the three program areas.



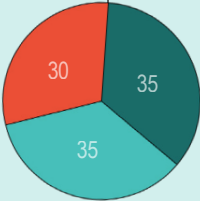
Percent of Centerra funding to Elementary and Secondary programs.



Percent of Centerra funding to the three program areas for Secondary programs.



Percent of Centerra funding to the three program areas for Elementary programs.





BAMFIELD - STUDENTS WORK ON THE WATER AND IN THE LAB AT THE BAMFIELD MARINE STATION ON VANCOUVER ISLAND.



MINING X - STUDENTS POSE FOR THE CAMERA DURING THEIR MINING X WORK EXPERIENCE DAY.

BAMFIELD

72

H

2Y

For senior science students with aptitude for biology and a specific interest in marine biology. Five day trip on Vancouver Island with hands-on field experience in biology.



MINING X

8

H

2Y



This year-long, education and training program will provide students with an introduction to multiple aspects of the mining industry including operations, health & safety and environmental management. The program is hands-on and is designed to provide insight and experience that will help students develop future career paths and create new opportunities. The program will be delivered on-site at Mount Milligan, and upon completion, students can apply for summer positions at the mine.

Centerra support
of Applied Skills
Programming

1 Existing and
3 NEW Programs

483 students
over **2 years**

400 Elementary
Students

83 Secondary Students

APPLIED SKILLS



LIVE-IT: VANCOUVER AQUARIUM

3

S

1Y



Live-it is a live-streaming business that offers experiential educational opportunities to rural and remote schools. This opportunity had two SD91 students, who were keen on video production, travel to Vancouver to participate in the production side of a *Live-it* live-streaming event. Students were involved in all components of the production of the live-stream, from scripting to filming and the technology supporting the process.

VIRTUAL SANDBOX INITIATIVE

400

E

1Y



Interactive geology tool for younger students. A mobile unit that has cutting edge technology to allow students to manipulate their landscape and see the impacts of change in terms of weather, geography and geology.



APPLIED SKILLS



VIRTUAL SANDBOX - A FUN AND INTERACTIVE EXPERIENCE FOR YOUNG LEARNERS.



LIVE-IT: LIVE STREAMING

Live-it is a live-streaming business that offers experiential educational opportunities to rural and remote schools. There is a wide variety of live-streaming and interactive learning sessions available for educators, as well as entire schools, in which to participate.

ORCA

220 E/S 1Y ★

Students were able to interact with biologists out in the field, on a boat in the ocean, while they search for whales and spoke about their biology and conservation.

SEA LION

310 E/S 1Y ★

Students were able to interact with a sea lion expert in a live format.

WILDFIRE

260 E/S 1Y ★

Students were taken on a tour by a forest-fire expert through a forest that had been impacted by wildfire.

**SEA LION EXPEDITION -
STUDENTS WERE ABLE TO
VIEW SEA LIONS UP CLOSE.**





Centerra support
of Technology
Programming

3 NEW Programs

790 students

over **1 year**

395 Elementary
Students

395 Secondary
Students



TECHNOLOGY SKILLS



ECHO NETWORK - NECHAKO VALLEY SECONDARY STUDENTS ATTENDING THE ECHO CONFERENCE.

ECHO NETWORK

4

S

1Y

ECHO - Environment, Community, Health Observatory

National symposium addresses health, environment and community impact of resource development, with specific emphasis on rural, remote and Indigenous communities. Students are active participants in this event.

OUTDOOR LEARNING FOR K'S

40

E

2Y



Hands-on learning for grade K-1 students utilizing “real tools” to facilitate collaborative learning and problem-solving skills.

**OUTDOOR LEARNING FOR K'S
WINTER THROUGH SPRING
OUTDOOR EXPERIENCES**



Centerra support
of Watershed Based
Programming

2 Existing and
5 NEW Programs

1916 students
over **3 years**

414 Elementary
Students

1502 Secondary
Students



WATERSHED SKILLS

KOH INITIATIVE

1350

S

3Y



Community specific activities throughout the school district related to stream monitoring, data collection and rehabilitation.

KOH - REDMOND WETLAND

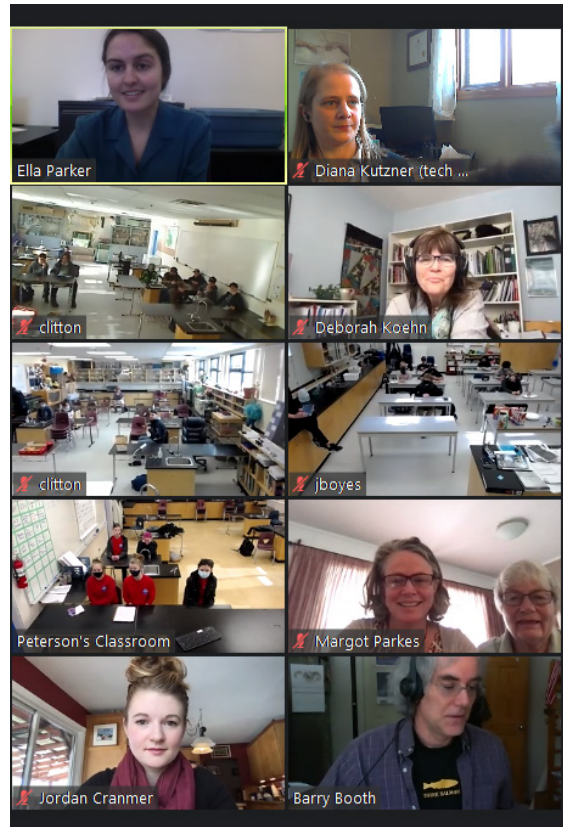
250

E

1Y



The Redmond Wetland is a partially restored piece of agricultural land that provides hands-on learning for students. Students engage with the site in variety of educational capacities ranging from science and exploration to art or just reflecting on being in place.



**KOH LEARNING -
A DIVERSITY OF
OPPORTUNITIES
FOR LEARNING AND
PARTICIPATING IN
WATERSHED RESEARCH.**





WATERSHED SKILLS



"It was a fun experience to help the creeks and to go to the same place twice because you can see how the creek can change." Penelope, Grade 7 student, NVSS



TRU INTEGRATED LAB - IN THE FIELD AND IN THE LAB.





LIVE-IT - SALMON RUN

200

E/S

1Y



Another component of the Live-it program, students were able to ask questions of fisheries biologists as they watched them work stream-wide enumerating and assessing salmon during an active salmon run.

TRU INTEGRATED LAB

48

S

3Y



A partnership with Thompson Rivers University (TRU) where laboratory level water and/or soil sample testing is facilitated remotely between the school and TRU.

PROJECT JR. OUTDOOR LEARNING

24

E

1Y



Hands-on learning for Grade 2-4 students utilizing “real tools” to facilitate collaborative learning and problem-solving skills.



**PROJECT JR.
OUTDOOR
LEARNING**

WATERSHED SKILLS

“Making Education Real & Relevant”

ADST APPLIED DESIGN

**SCHOOL
DISTRICT**

91

**NECHAKO
LAKES**

School District No. 91 (Nechako Lakes)

P.O. Box 129

Vanderhoof, BC Canada, V0J 3A0

Phone: 250-567-2284 Fax: 250-567-4639

Career & Trades Programs

Email: dcarpenter@sd91.bc.ca

www.sd91.bc.ca