Nanaimo Science & Sustainability Society

Healthy Streams 2018
Grade 7 science project

Learn about local ecology while engaging in an authentic scientific research project

Students will:

- Use standard ecological techniques to determine water chemistry (including measuring pH, dissolved oxygen, temperature and turbidity);
- Learn how to collect and record scientific data, and use graphs for data analysis;
- Learn about local stream ecology, including plant and insect identification

During the fieldtrip:

Activities will occur in Bowen Park near the Duck Pond or Millstone River side channel. For schools adjacent to other waterways, an onsite activity is possible to enhance community stewardship. Students will be in the park for approximately 1.5 hrs and will have the opportunity to analyze water samples, identify aquatic insects, observe streamside vegetation, and discuss how their observations related to stream health.

Register your class!

Research will occur on select days September/October; classes will be at Bowen Park for 1.5hrs (time does not include travel). Associated activities and busing are being provided ***free*** for grade 7 students by SD68. To register contact the Community Schools Coordinator, Susan M'Gonigle at **sm'gonigle@sd68.bc.ca.** Dates and times are based on availability so register early!

Curriculum Connections: Science

- All organisms need resources in order to survive
- Recent impacts of humans
- Observe, measure, and record data using equipment, including digital technologies, with accuracy and precision
- Experience and interpret the local environment
- Use scientific understandings to identify relationships & draw conclusions
- Consider social, ethical, and environmental implications of the findings from their own and others' investigations

Curriculum Connections: Math

- Computational fluency and flexibility with numbers extend to operations with integers and decimals.
- Use tools or technology to explore and create patterns and relationships, and test conjectures
- Develop, demonstrate, and apply mathematical understanding through inquiry, and problem solving
- Engage in problem-solving experiences that are connected to local place, story, cultural practices, and perspectives
- Connect mathematical concepts to each other