



**S E V E N T H
G E N E R A T I O N**

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Junior club NEWSLETTER

Dear Club Members,

Welcome back to a new year with the Seventh Generation Club! Across BC, approximately 10,500 youth are members of the club. Our club is about supporting you to do your best in school, attend and participate regularly, and plan ahead for your post-secondary studies and career.

Mark your calendars for **SCIENCE DAY** (November 20, 2020) and **SPORTS DAY** (May 28, 2021).

Have a great school year and stay healthy!



Science Day is November 20

The Seventh Generation Club would love to hear about science activities your club is doing, now or at any time of the year. Share your club news by emailing them to seventhgen@fnesc.ca. You may see them featured in future newsletters.

Volcanoes!

In the Nisga'a valley approximately 250 years ago, the Tseax Volcano erupted, sending lava flowing down into the Tseax River.

The Nisga'a people remember this event in their oral histories. You can read the story about *Laxmihl: Where the Fire Ran Out* at nisgaanation.ca/volcano. It tells of Gwaxts'agat, a powerful supernatural being, that suddenly emerged to fight back the lava's advance and of how the villagers fled to escape the destruction.

(continued on page 2)



Changing the Land with Fire

For thousands of years, Indigenous people have used fire to manage forests and grasslands. The timing and location of fires were based on traditional knowledge about their territories, built up over many generations.

Controlled burning can help renew the soil and clear land for important plants to grow, such as raspberries, camas, and grasses. Sometimes it was used to fireproof areas surrounding certain medicinal plants.

Here is just one example of how controlled burning has been used:

Annie York, Nlaka'pmx Elder, interviewed in 1991:

I've seen it, when the old people used to do it. I was just a little girl. I'd go up the mountain with granny. After we'd pick berries, my uncle would say, "It's going to rain pretty soon; time to burn." He stays up after we finished. Then, we go back the next year, it's all burned. Now, it turns into bush. That's why we don't get many berries any more. We're not allowed to burn.

Source: Nancy J. Turner, "Not One Single Berry"
Referenced in FNEESC/FNSA Science First Peoples Grades 5-9

Digging Deeper into Science

Feed your curiosity for science online! See [SciShow Kids](#) on YouTube for videos that include "How Animals Find Their Way Home," "Wonderful Worms," and "Make your own Compass."

Volcanoes *(continued from Page 1)*

Scientists are starting to appreciate how much there is to learn about earthquakes and eruptions from First Nations' oral histories up and down the west coast. Oral histories, combined with other techniques like radiocarbon and tree ring dating, build a much fuller picture of these geologic events.

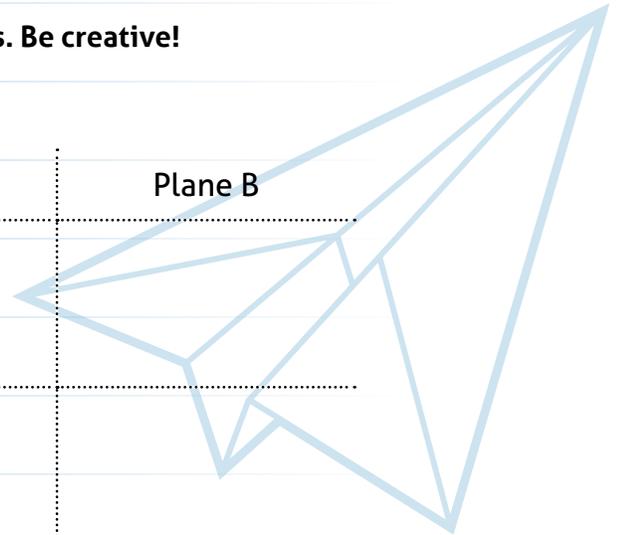
Geology is the study of the earth and what it is made of. First Nations remember geologic events through stories, names, art, and ceremonies. Today, even non-Indigenous scientists are recognizing that First Nations traditional stories are important additions to the study of geology.

Paper Airplane Science

STEP 1: Design and construct two paper airplanes. Be creative!

STEP 2: Predict which plane will fly farther.

	Plane A	Plane B
List three different design features of each airplane		
Which airplane is more likely to fly farther and why?		

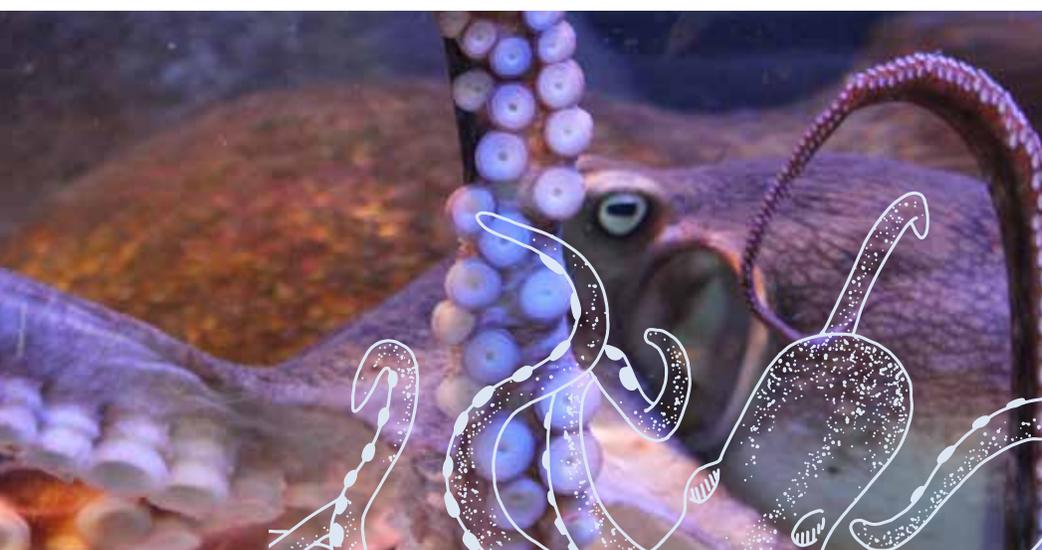


STEP 3: Design your experiment

- Choose and mark your launching point
- Determine how you will measure the flight path (it needs to be something you can keep consistent, such as the length of your foot, a measuring tape, a book-length, etc.)
- Determine how many times you will launch each plane (we recommend at least 5)
- Create a table to record your data (below is a sample)

	Trial 1	Trial 2	Trial 3	Trial 4	Trial 5
Plane A					
Plane B					

- Decide which plane flew farther in each trial.
 - Why do you think one plane flew farther than the other plane?
- Determine how to share your results
 - Create a video or a photo journal that shares your results
 - Draw a sketch of the planes that includes a description of the features
 - Write a report on your results (include your prediction, observations and conclusion)
- Using what you learned, build new planes that you predict will fly farther and repeat the steps!



Diving Deep into Ocean Science

The ocean holds many secrets! One way to begin discovering the ocean is with underwater cameras and microphones. Those tools make it possible for scientists around the world to work together to ask questions and make new discoveries about the health of our oceans.

Have a peek at ocean life with underwater cameras at Kitamaat Village, Campbell River, and Hartley Bay oceannetworks.ca/sights-sounds/live-video.

Fall Science Contest

How can First Peoples' scientific knowledge and perspectives make the world a better place?

Enter by sending the Seventh Generation Club a poster, paragraph, photo essay, or poem to seventhgen@fnesc.ca, including your name and age.

Send in your entry by **December 18, 2020**. We have five \$100 prizes to award to club members. Please include a consent form, which you can find at seventhgenerationclub.com.

Member Wall



Gitwangak Elementary



Wagalus School



OKIB Cultural Immersion School

The Seventh Generation Club is coordinated by the First Nations Education Steering Committee and First Nations Schools Association, in partnership with the First Nations Health Authority and the Vancouver Canucks.



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GENERATION

The Seventh Generation Club Office is located at: Suite 113, 100 Park Royal South, West Vancouver, BC V7T 1A2.
Phone: (604) 925-6087 Fax: (604) 925-6097 Website: www.seventhgenerationclub.com

If you have any questions, or would like to see something included in upcoming newsletters, write to the Editor at the address above, or send an e-mail to: seventhgen@fnesc.ca