

Vaccines and Immunology

The World Health Organization estimates that vaccines save 2-3 million lives worldwide every year!

The following websites and lesson plan information are BC and Canadian resources available to support the BC education curriculum in grades 4-9 on the topics of Health, Indigenous Studies, Language Arts, Mathematics, Science and Social Studies.

Kids Boost Immunity

Learn about vaccines how they work and coping techniques to deal with anxiety around vaccines.

Developed by teachers for teachers in partnership with health professions, BC's [Kids Boost Immunity](#) is a free online learning resource for Canadian students that pairs local learning with a global reward: vaccines for children in need through UNICEF.

Kids Boost Immunity provides curated lessons and unit plans for grades 4-12 that match provincial curriculum outcomes. Lessons are designed using teaching practices to build critical inquiry with audio, video, and interactive games for diverse learners. The interactive quizzes mirror science, health, and social studies curriculum across Canada. For every lesson quiz that students score 80% or more, a vaccine is donated to someone in need. Connect your curriculum to global citizenship and inspire digital-age students.

Want to know more? Check out the [How It Works](#) as well as the [Teacher Centre](#) and [Example Lessons](#). Is there a French version of Kids Boost Immunity? Absolutely!

Click on this link: [French version: Kids Boost Immunity](#).



ImmunizeBC

[ImmunizeBC](#) is a one stop resource that cover the basics of vaccines and how they work, to recommended vaccine schedules for all ages, through to vaccine development and safety monitoring. There are even printable resources cover topics such as evaluating health information online and trustworthy websites with vaccine information.

A sample of the topics are:

- ❖ [How vaccines work](#) –immune system, how vaccines work, community immunity with video too!
- ❖ [Reasons to immunize](#)
- ❖ [FAQ](#) section that is searchable by category or keyword.

ImmunizeBC YouTube Videos:

- ❖ [Disease Scene Investigation: How Immunization Works](#)
- ❖ [Disease Scene Investigation: Hepatitis B](#)
- ❖ [Disease Scene Investigation: A Pain in the Neck](#)

BCCDC Immunization & Vaccines

Health information regarding immunization and vaccines covering reliable sources of information and how vaccine supply is determined in BC. See this link:

- ❖ [Immunization & Vaccines](#)

ImmunizeCanada

[ImmunizeCanada](#) is a website that has information on vaccine basics to help learn about immunization, frequently asked questions and even resources to celebrate National Immunization Awareness Week which occurs in April each year.

Want a resource to help support your students in navigating online information? ImmunizeCanada has a fact sheet with questions to ask yourself when deciding if you can trust what you read:

- ❖ [Immunization Information on the Internet: Can you trust what you read?](#)

Public Health Agency of Canada

Available both online and in a downloadable pdf, A Teen’s Guide to Vaccination (2023) contains information on:

- ❖ About vaccination
- ❖ Diseases prevented by routine vaccinations
- ❖ Vaccine safety
- ❖ Staying up to date with your vaccination
- ❖ What to expect at your vaccination appointment
- ❖ Where to find more information

Give Vaccines a Shot!

From Science North (Ontario) Bilingual Resources and also available in French [Les Vaccins: piguez votre curiosite! Science Nord](#) and English [Give Vaccines a Shot! Science North](#).

Access videos, school programs, podcast episodes, and other online activities with accurate science content for the best tools to understand vaccinations and health. Includes information on COVID and [“The Virus of Misinformation”](#).

With funding from the Public Health Agency of Canada, Science North offers **free** classroom materials for Grades 1 to 12. These materials help students learn about the immune system, staying healthy and the critical role vaccines play in sound public health strategies. They are a part of the **Give Vaccines a Shot!** initiative.

The Interior Health Healthy Schools Team endeavours to include free or low cost, evidence-based resources recommended by our health and school partners, especially those that align with the B.C. Curriculum. This is not an exhaustive list of all the resources available on this topic and we encourage educators to ensure each resource is appropriate for their class or school. Please contact us with any suggested changes or additions at healthyschools@interiorhealth.ca

To explore other Toolkits, visit [Healthy Schools Teaching Toolkits](#).