External Online Resources

Overview

We've curated dozens of educational resources available for free online. These sites offer valuable and engaging articles, instructional videos, interactive games, and much more to supplement learning at home.

Benefits

Parents, students, and teachers can access a wealth of information and interactive learning experiences for research and inquiry, as well as to supplement coursework, deepen understanding, and foster further exploration.

Using External Resources

Many of these resources are available without an account. Sometimes, parents must set up a free account to use the resource.

> Parents should preview resources to ensure suitability for their students.

Accessing External Resources

Kindergarten - Grade 5

Applied Design, Skills, and Technologies: Design Thinking and Making

Curiosity Machine	Design challenges across various subject areas
Design Squad Global	Compete to create solutions to engineering challenges
Instructables	Learn how to make anything, one step at a time.
Little Inventors	Design challenges and resources that encourage children to think up and draw great invention ideas.

Makers Empire	3D design tool to create, download, and print original or community-based objects
The Tech at Home	STEM and design challenge activities for K-12 learners
The Young Inventors	Challenges designed to demonstrate how inventions can improve people's lives
Tinkercad	Three workspaces where students can design: 3D Design, Codeblocks, and Circuits

Arts Education

Art For Kids Hub	Online YouTube videos teaching young children to draw
8notes.com	Sheet music and resources for musicians, including tuners, chord charts, and lessons
Blob Opera	Create your opera-inspired song; no music skills required
GarageBand	Music creation studio with a complete sound library
Institute for Arts Integration and STEAM	Arts-integrated online learning experiences for students that include videos and lesson plans
MetKids	Whimsical, kid-friendly intro to the wide art world with videos and interactive activities
PBS Learning Media's Arts Education	Resources, videos, and interactive lessons in dance, music, theatre, and visual arts
TedEd Visual Arts	Instructional videos with comprehension and guided discussion questions

Bible/Christian Studies

Elevate Kids	Kid-friendly, age-appropriate, and Bible-based videos to show your child how to become the leader that God designed him or her to be.
Kids Corner	Audio adventures, Bible stories and activities for kids
Kids of Integrity	Downloadable lesson plans that help parents instill Christ-honouring character traits in their kids.
Kids World	Online easy-to-read Bible lessons.

Mini Bible Lessons	Short, self-guided lessons on topics of interest to teens
Open Network	Engaging video dramas and Bible-based topics complete with leader guides and activities.
SundaySchoolZone.com	FREE printable children's Bible activities for use with kids at home, church, and school, as well as resources for teaching children the Bible.
Sword Keepers	Memorize Bible passages online at your own pace with free video lessons that combine hand motions and meaning, helping you learn verses quickly, understand them deeply, and retain them for life.
Unlocked	A daily audio devotional for teens.
VEGGIE TALES	Christian lessions and Bible stories from beloved veggie friends. God made you special, and He loves you very much!

Career Education

Bankaroo	A virtual bank for kids where you can teach them about the value of money in a safe environment
EVERFI	Standards-aligned, research-based digital lessons to teach students to thrive in an ever-changing world.
SignalHill	Life-building teaching tools to help you inspire and equip your K-12 students
Thrively	Guides students through a student-centred journey to discover their strengths, increase their self-awareness, set goals and track progress, build skills, and learn real-world problem-solving

Communication & Collaboration

Lino	A sticky-note tool to organize and collect information and can be shared with parents and teachers
Screencastify	Empowering students to demonstrate and share their learning
Seesaw	Students share their learning with others through digital portfolios
Wakelet	Save, organize, and share any content from across the web

Computer Science

Code.org	Hundreds of computer science activities and tutorials
Codeable Crafts	Animate stories with accessible drawing tools and coding blocks
CS First	Makes coding easy to teach and fun to use
Scratch	Code, share, and remix stories, games, and animations
ScratchJr	As above, for ages 5-7

Digital Literacy and Wellness

Be Internet Awesome	To make the most of the Internet, kids need to be prepared to make smart decisions. Be Internet Awesome empowers kids with tools and education to confidently and safely explore, grow, and play online.
Common Sense Media	All students need digital citizenship skills to participate fully in their communities and make smart choices online and in life. Everything You Need to Teach Digital Citizenship.
LIVING WELL IN A DIGITAL WORLD	A Guide for Students, Schools and Families - LIVING WELL IN A DIGITAL WORLD
Media Smarts	MediaSmarts has been developing digital media literacy programs and resources for Canadian homes, schools and communities since 1996. Our work falls into three main areas: education, public awareness, and research and policy.
Protect Kids Online	ProtectKidsOnline.ca is designed to assist parents/guardians in protecting their children on the Internet and reducing their risk of victimization.
Well Being BC	Well-Being BC was created for all schools, as part of a school-based mental health initiative to support three pillars of Well-Being: SOCIAL EMOTIONAL LEARNING. MENTAL HEALTH LITERACY. TRAUMA-INFORMED APPROACHES.

English Language Arts

National Novel Writing Month (NaNoWriMo)	Draft an entire novel in just one month in motivational virtual spaces.
Quill	Free writing and grammar activities and tools.
ReadWorks	Differentiated reading passages designed to improve comprehension.
StoryJumper	An easy way for students to write, narrate, and illustrate their stories. Find informative, expository, collaborative, narrative, and creative writing project ideas, suggestions on topics to write about and digital storytelling ideas. Your students can then use our tools to create and narrate a book, print it on-demand, and publish a book they can hold and hear.
Storyline Online	Read-along books are brought to life through video narrations by actors and authors. Each title is paired with a supplemental curriculum, designed by a certified elementary educator, to support English-language learners in building comprehension, as well as verbal and written communication skills.
Whooo's Reading	A website with a clear mission: to help students think more critically about whatever they read through open-ended rather than multiple-choice reading quizzes.

Indigenous Education

Canada's Original Place Names	Indigenous Peoples named many places in present-day Canada.
Great Bear Sea	Environmental Science lesson plans K-12.
Indigenous Education Resource Inventory	Resources from the BC Ministry of Education.
Indigenous Peoples Atlas of Canada	Four books: Truth and Reconciliation, First Nations, Inuit, Metis
Indigenous Voices	How to Talk about Indigenous People, a video.
SignalHill	Life-building teaching tools to help you inspire and equip your K-12 students
Whose Land	Whose Land is a web-based app that uses GIS technology to assist users in identifying Indigenous Nations, territories, and Indigenous communities across Canada.

Mathematics

Didax	Virtual manipulatives and downloadable activities for PreK – Grade 12.
Khan Academy	Provides interactive lessons and instructional videos; students practice at their own pace, first filling in gaps in their understanding and then accelerating their learning.
Legends of Learning	Provides an engaging educational experience for at-home learning. Kids will love the educational games on the platform, and parents will love the data that comes out as they automatically progress.
MathAntics	FREE math videos and additional subscription-based content!
Math Learning Centre	easy-to-use math apps for web browsers, Apple devices or Chromebooks.
Math Snacks	Educational animations, games, and interactive tools that help learners in grades 3 – 8 better understand math concepts.
Zearn	An online math curriculum with supplemental skills practice activities for K – 5. Parents and teachers must set up their own accounts and assign lessons to their students.

Multi-Subject

CK-12	Free Math, Science, Social Studies, English and more courses for grades 1-12.
Collabrify Productivity Tool Suite	Educational productivity Apps. In real-time, two or more students, each on their own computing device, co-constructing text documents, drawings & animations, KWL charts, and spreadsheets.
Easy Peasy All-In-One Homeschool	A free online Christian homeschool curriculum.
Khan Academy Kids	A free, award-winning app for children ages 2 – 7 that engages kids in core subjects like early literacy, reading, writing, language, and math, while encouraging creativity and building social-emotional skills.
Learning Hero Roadmap	An interactive guide with videos/tools to help parents support grade-level math and reading as well as social-emotional development. Informed by what parents need, developed by leading content experts.
Newsela	Great nonfiction articles with 5 options for levelled reading.
NOVA	Compelling videos, simulations, teacher guides, and other activities.

PBS Kids	A wealth of educational content and valuable learning resources covering various topics.
PBS LearningMedia	PreK-12 digital media service. Search and browse thousands of learning materials, including videos, interactive lesson plans, media galleries, and more.
Quarto Classroom	A free video library on YouTube of Quarto's creators using their books as teaching tools in educational spaces.
Smithsonian Learning Lab	an interactive platform for discovering millions of authentic digital resources, creating content with online tools, and sharing in the Smithsonian's expansive community of knowledge and learning.
TED-Ed	supports kids' sense of wonder with outstanding short video lessons.
The Archievery	A free and safe online learning platform created by AT&T to provide K-12 students with engaging and entertaining videos paired with educational activities. English language arts, social-emotional learning, technology and engineering, digital arts, math, science, and digital literacy
Wonderopolis	short, interesting informational texts. Each text has vocabulary practice, a comprehension quiz, and activities for further learning. The Immersive Reader tool increases text accessibility with read-aloud, picture dictionary, translation, and more.

Physical and Health Education

GoNoodle	Movement and mindfulness videos created by child development experts.
KidsHealth	Easy-to-follow articles, slideshows, videos, and health tools designed to help kids and teens learn, grow, and be their best.
PBS Learning Media's Health & PysEd	Resources that provide essential lessons on physical, mental, and emotional health.
SignalHill	Life-building teaching tools to help you inspire and equip your K-12 students

Science

100 Fun Science Experiments / Fair Projects	Amazing collection of science experiments and science fair projects that you can try with your kids and students at home or school.
Climate Kids	This kid-friendly, expert site by Nasa explores key climate issues through videos, games and activities.
Google Earth	Search for specific locations or quickly manually manoeuvre across the globe, zooming in to show detail to the level of parked cars and even pedestrians. Many world areas can be viewed in 3D, allowing students to see cities, the countryside, and famous landmarks in three dimensions.
Inquiry in Action	K-5 science lessons about physical science and chemistry in everyday life
Legends of Learning	Provides an engaging educational experience for at-home learning. Kids will love the educational games on the platform, and parents will love the data that comes out as they automatically progress.
Nasa STEM @ Home	Videos, interactive multimedia, hands-on activities and more categorized by grade range.
National Geographic Kids	Stunning photos, in-depth stories of Earth's peoples and wildlife, and a large collection of multimedia resources that teach students about animals, habitats, countries, and cultures.
Ocean School	National Film Board of Canada. It's bilingual, free and has aboriginal content! A YouTube channel and an app on iOS. It uses video, virtual reality, interactive and 360-degree video, augmented reality, newsreels, toolkits and assessments. Brings powerful storytelling techniques, immersive technologies and interactive media to your home. Explore the ocean with documentary footage of real scientists, 360 videos, AR, and VR.
Science Buddies	K-12 STEM resources, including 160+ hands-on STEM activities and videos. Our activities cover different STEM concepts, can be done in an hour or less, and use materials easily found at home.
Smithsonian Science Education Center	Curriculum & resources searchable by type, grade and topic.
The San Diego Zoo	An interactive site featuring videos, games and activities.

Second Language

The ASL App	Learn American Sign Language right from your phone.
ASL Kids	ASL learning app for Beginners & Kids.
Boukili	Help your students and children love reading in French.
Curious Learning	Apps for learning to read in 48 languages.
Duolingo	A science-based language education platform that has organically become the most popular way to learn languages online.
Fingerspelling	Learn the ABCs in ASL with machine learning.
HandsOnASL	Learn to fingerspell with sign language.
Oh Noah!	Offers students a multi-pronged approach to learning Spanish vocabulary. With its funny, story-based interface, kids are encouraged to take an easygoing, just-try-it approach to learning languages.
OnlineFreeSpanish	Dozens of games, colouring pages, and interactive activities by level can be accessed anytime on tablets or desktops.
Sign School	Learn American Sign Language

Social Studies

Canada's Museum of History	Videos, activities and online resources.
Canada's War Museum	Videos, activities and online resources.
Canadian Museum For Human Rights	Join our guides on video tours of the Museum's galleries and architecture. Check out Museum exhibits and stories about human rights defenders and history. Discover our many special online experiences.
DOGO News	A diverse, kid-friendly news site enriched by visual and bilingual elements. Articles are separated into various subjects and reading levels.

Google Earth	Search for specific locations or quickly manually manoeuvre across the globe, zooming in to show detail to the level of parked cars and even pedestrians. Many world areas can be viewed in 3D, allowing students to see cities, the countryside, and famous landmarks in three dimensions.
Historica Canada	Programs you can use to explore, learn and reflect on our history and what it means to be Canadian
National Geographic Kids	Stunning photos, in-depth stories of Earth's peoples and wildlife, and a large collection of multimedia resources that teach students about animals, habitats, countries, and cultures.
Our Country, Our Parliament	Learn about the Canadian Parliament through a downloadable book and interactive resources.
Parliament: An Overview	Learn about the Parliament of Canada
Smithsonian's History Explorer	Lessons, activities, interactives, engaging media and more. Resources can be filtered by grade range, resource type, historical era and cross-curricular connections.
Teachers Zone	Canadian History In Your Classroom
Time for Kids	A digital news magazine for kids with age-appropriate stories kids are excited about and information just for kids that explains the world around them.
Touchable Earth	Experience the world in the first person and access 25 communities worldwide.

STEAM

100+ STEM and STEAM Resources Livebinder	has a variety of tools, videos and resources for you to browse.
Crayola STEAM Lesson plans	Put the art into your STEM and make it STEAM with these creative ideas.
Design Squad Global	Interactive learning fun.
Engineer Girl	Engineer Girl shares positive role models and what they do.
Get Caught Engineering	STEM for Kids
Going from STEM to STEAM	A prezi sharing STEAM creatively.

Government of Canada lesson Plans	STEAM resources
How to Smile	A site that houses wonderful math and science activities.
Let's Talk Science	STEAM at Home
NASA Middle grades STEM lesson plans	Free webinars for students!
PBS STEM Resource	A phenomenal site with lessons for K-12 in Science, Technology, Engineering and Math as well as professional development for teachers.
Planting T's	A website dedicated to promoting design thinking in K-12 education.
SF MoMA Teacher Resources	This section of the San Francisco MoMA site for teachers is a goldmine of articles you can select and read with students, video interviews, project ideas and an entire section dedicated to STEAM.
STEAM Education Lessons	Provide several high-quality STEAM lessons that you can browse through.The STEAM Academy is a terrific site for advocating and sharing authentic STEAM projects and efforts.
STEAM Starters: Tinkering for Early Learners	A new collection of online learning modules offering starting points, practical resources, and reflection tools to introduce tinkering into your early childhood classroom or care setting. Explore lessons by subject.
Teach Engineering	The engineering design process emphasizes open-ended problem-solving and encourages students to learn from failure. This process nurtures students' abilities to create innovative solutions to challenges in any subject! Fully aligned to engineering and STEM standards.
Teachers Pay Teachers	for design thinking worksheets and find art lessons here.
We are Teachers	10 Innovative Projects that Take Learning from STEM to STEAM
Working in Scratch: Putting STEAM into Cross-Curricular Collaboration	A prezi that gives practical applications for using the computer program SCRATCH in the arts classrooms.

Typing Resources

The Good and the Beautiful

New! The Good and the Beautiful Typing Program Very engaging nature based lessons. One subscription makes this available for up to six students. USD 35.00/year.

EdClub

Free online TypingClub. Scroll down to find the "Learn More" button.

Type Racer

Type Racer allows students to type in competition with other students, all around the world.

All the Right Type 4 Online

ATRT costs USD 40.00 for a year subscription with four users and a parent. Here is the link to the online version for home: ATRT Online Home Version. All the Right Type described.

TypeLit

TypeLit.io (free) allows you to type classic literature while you are reading it. TypeLit provides you with feedback about the accuracy and speed of your typing. Cost: USD 60.00/year. (Gr. 7-12)

Other Typing Programs

1. TypingClub, (free) upgrade to Premium and view the site ad-free.
2. Dance Mat Typing (free) from BBC, offers Levels 1 to 4. One parent said this is the most engaging one she has come across. If you enjoy rock 'n roll, you will enjoy the music in this site. Explanatory guides for Dance Mat Typing.
3. Typing.com, which is free and is a gamified learning of typing. Typing.com blog.

Bible Memory Kids

BibleMemory.com has a complete Bible memory system that makes it easy for you to MEMORIZE, ORGANIZE, and REVIEW verses while typing. You can even memorize and review verses while reading and studying your Bible, all in one app, and it's free.

Virtual Field Trips and Tours

British Natural History Museum	Virtual Museum: 14 ways to explore from home

Canadian Farm Food Virtual Tours	Learn how things are made and how animals are raised.
Discovery Education Virtual Field Trips	Promising amazing places and remarkable experiences, Discovery Education has many different cost-free tours available.
Great Lakes Virtual Field Trip	Learn about the science, diversity, and ecology of these large freshwater lakes.
Hall of North American Mammals (Grades 3-5)	Explore habitat dioramas to learn how animals must be adapted to an environment in order to survive in it.
Inside STIRLING CASTLE walking tour	Join us for a stroll through Scottish history, inside the incredible walls of Stirling Castle! (YouTube)
Royal Tyrrell Museum Park	Visit Canada's only museum dedicated exclusively to the study of ancient life from home.
Slime in Space	This video field trip shows how slime acts in space. Watch astronauts play ping pong with it!
Smithsonian: National Museum of Natural History	Virtual Tours
Stirling Castle - Scotland 4K Virtual Walking Tour	See Scotland's Sterling Sastle Museum. (YouTube)
The Butterfly Conservatory (Grades K-2)	Observe butterflies and compare their patterns.
The National Aquarium	Explore one of the best aquariums in the country in this interactive self-guided tour.
The Perfect Walk	See historic sites, museums and more with me as I explore different places around the world. (YouTube)
Virtual Tour of the Great Wall of China	Virtually explore the great wall of China.

External Free Resources Gr. 6-9

Applied Design, Skills, and Technologies: Design Thinking and Making	
Code.org	Hundreds of computer science activities and tutorials.

CodeCombat	CodeCombat is a knight and dungeon adventure-based game that allows teens to master “the lost magic of programming” to save their world. JavaScript, Python, coding fundamentals, critical thinking.
CS First	A free computer science curriculum that makes coding easy to teach and fun to learn.
Curiosity Machine	Kids engage in design challenges across various subject areas.
Design Squad Global	Students compete to create the most novel solutions to engineering challenges. Includes games, lesson plans, and video demonstrations of the brainstorming and prototyping processes that go into the design.
Google Applied Digital Skills	Practical lessons teach critical computer skills.
Instructables	Learning how to make anything is easy, one step at a time. From the stovetop to the workshop, you will surely be inspired by the awesome projects shared daily.
Kano Code & Make Art	The Kano app empowers anyone to make, learn, and play with technology. Learn to code art, games, music, and more.
Makers Empire	A 3D design tool enabling students to create, download, and print original or community-based objects. Download for iPhone, iPad, Android, Mac, Windows and Chromebook.
OK Go Sandbox	Creative music video-inspired STEAM design challenges.
Scratch	A creative coding platform that allows children of all ages to code, share, and remix their own stories, games, and animations.
Spark 101	STEM video challenges that engage students in real-world problem-solving.
Swift Playgrounds	Swift Playgrounds is geared towards kids who want to get started creating iOS APPS (MAC & iPad)
The Tech at Home	STEM and Design Challenge activities for K-12 learners.
Technovation Girls Curriculum	A hands-on coding and entrepreneurship curriculum for teams of teens to develop a mobile app to address a real-world problem in their communities.
Tinkercad	A tool that supports design thinking and maker education. Tinkercad offers three different workspaces where students can design: 3D Design, Codeblocks, and Circuits.

Arts Education

8notes.com	Sheet music and resources for musicians, including tuners, chord charts, and lessons.
Blob Opera	Create your own opera-inspired song with Blob Opera; no music skills are required!
Flat	User-friendly music composition software that gives you all the tools you need to make your own sheet music. You can write, listen, share and discover music scores.
Institute for Arts Integration	Arts-integrated online learning experiences for students that include videos and lesson plans
Google Arts & Culture	An excellent curation of art and culture and interactive activities that invite exploration.
National Gallery of Art	From Byzantine altarpieces to pop art, learn about the collection's paintings, sculptures, prints, drawings, photographs, and other works.
PBS Learning Media- Arts	Resources, videos, and interactive lessons in dance, music, theatre, and visual arts.
TedEd Visual Arts	Instructional videos with comprehension questions, additional resources, and guided discussion questions.
Yo Kidz	YouTube channel featuring dozens of drawing tutorials.

Bible/Chrstian Studies

Elevate Kids	Kid-friendly, age-appropriate, and Bible-based videos to show your child how to become the leader that God designed him or her to be.
Kids Corner	Audio adventures, Bible stories and activities for kids
Kids of Integrity	Downloadable lesson plans that help parents instill Christ-honouring character traits in their kids.
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Unlocked	A daily audio devotional for teens.
VEGGIE TALES	Christian lessions and Bible stories from beloved veggie friends. God made you special, and He loves you very much!

Career Education

EngineerGirl	Information and tools that encourage girls to explore engineering.
EVERFI	Standards-aligned, research-based digital lessons to teach students to thrive in an ever-changing world.
Thrively	Guides students through a student-centred journey to discover their strengths, increase their self-awareness, set goals and track progress, build skills, and learn real-world problem-solving
Read to Lead	Award-winning learning games teach literacy and leadership in an immersive virtual workplace. Students are the boss, make big decisions, and gain critical skills along the way!
SignalHill	Life-building teaching tools to help you inspire and equip your K-12 students

Communication & Collaboration

Lino	A sticky-note tool to organize and collect information and can be shared with parents and teachers
Screencastify	Empowering students to demonstrate and share their learning
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Digital Literacy and Wellness

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LIVING WELL IN A DIGITAL WORLD	A Guide for Students, Schools and Families - LIVING WELL IN A DIGITAL WORLD
Well Being BC	Well-Being BC was created for all schools, as part of a school-based mental health initiative to support three pillars of Well-Being: SOCIAL EMOTIONAL LEARNING. MENTAL HEALTH LITERACY. TRAUMA-INFORMED APPROACHES.

English Language Arts

826 Digital	Resources to ignite a love of writing. Browse, enjoy, and apply various teaching tools and student writing examples.

Bartleby	Literature guides for classic novels and some other free resources.
LitCharts	A literary resource of over 1600 study guides and teaching materials for fiction, nonfiction, poetry, literary devices, Shakespeare, and more. Most of the content is free and accessible to all.
myShakespeare	Media-rich, full-text editions of Shakespeare's plays with interactive content and study tools.
National Novel Writing Month	A fun, empowering approach to creative writing. The challenge: draft an entire novel in just one month.
Poets.org	Hundreds of essays and interviews, audio clips, biographies of more than 500 poets and over 2000 poems.
Poetry Writing Analysis Guide	In-depth overview organized into topics, each with its own summaries, helpful links for further study and key terms.
Quill	Free tools to make your students better writers. Quill provides elementary, middle, and high school students with free writing and grammar activities.
Read to Lead	Award-winning learning games teach literacy and leadership in an immersive virtual workplace. Students are the boss, make big decisions, and gain critical skills along the way!
ReadWorks	1000's of nonfiction & fiction differentiated reading passages with curriculum and supports designed to improve comprehension.
Scrible Edu	A robust research & writing platform. Google & Microsoft integrated. Students curate, annotate, cite, organize & collaborate on articles.
Storybird	A social storytelling site that helps kids create and publish storybooks; boosts writing skills with 700+ challenges.
Whooo's Reading	A reading website with a clear mission: to help students think more critically about whatever they read through open-ended rather than multiple-choice reading quizzes.

Indigenous Education

Canada's Original Place Names	Indigenous Peoples named many places in present-day Canada. Before the arrival of Europeans, Indigenous Peoples gave names to the land to identify places they knew and with which they had strong spiritual connections. Discover Canada's original place names and their Indigenous origins.
Great Bear Sea	Environmental Science lesson plans K-12
How to talk about Indigenous people	Ever wonder how to use the proper terms when referring to Indigenous Peoples? Inuk journalist Ossie Michelin has a friendly how-to guide.
Indigenous Education Resource Inventory	Incorporate Indigenous knowledge and perspectives into B.C. classrooms. The inventory includes guides, books e-books, articles, websites, videos, and other materials.
Indigenous Peoples Atlas of Canada	Four books: Truth and Reconciliation, First Nations, Inuit, Metis
Whose Land	Whose Land is a web-based app that uses GIS technology to assist users in identifying Indigenous Nations, territories, and Indigenous communities across Canada.

Mathematics

Banzai	An award-winning financial education program that helps your students budget wisely. Money management is taught in three interactive courses, each including tests, quizzes and an interactive library.
Didax	Virtual manipulatives and downloadable activities for PreK – Grade 12.
GeoGebra	Dynamic mathematics software with an easy-to-use interface that combines geometry, algebra, spreadsheets, graphing, statistics and calculus in one easy-to-use package.
Khan Academy	Provides interactive lessons and instructional videos; students practice at their own pace, first filling in gaps in their understanding and then accelerating their learning.
Legends of Learning	Kids will love the educational games on the platform, and parents will love the data that comes out as they automatically progress.
MasterMath	Middle School Online Math (Free Video Math Lessons, Worksheets and Quizzes)
MathAntics	FREE math videos and additional subscription-based content!

MathGames	Online math games, quiz questions and skills practice.
Mathigon	An online textbook for middle and high school mathematics. The unique content format makes learning interactive, and a virtual tutor gives personalized help.
Math Playground!	Math games (Listings for K-Gr.6)
Math Snacks	Educational animations, games, and interactive tools that help learners understand math concepts.
The Get It Guide	Math resource for middle school students.The student or parent simply has to identify the topic they are working on from the textbook and find the matching tutorial, video or worksheet from the math topics tab on the website.
Virtual Nerd	Real math help. Over 1,500 video lessons covering Middle Grades Math through Algebra 2.
XtraMath	A math facts fluency program that helps students master addition, subtraction, multiplication and division facts.

Multi-Subject

Actively Learn	A digital reading platform for students on various topics; includes illustrations, driving questions and comprehension questions to keep students engaged.
Arca	Discover BC’s Digital Treasures
CK-12	Free Math, Science, Social Studies, English and more courses for grades 1-12.
Easy Peasy All-In-One Homeschool	A free online Christian homeschool curriculum.
Esri GeoInquiries	Interactive maps make learning come alive in mainstream subjects—like environmental science, math, history, and literature—and beyond.
Games for Change	A website of curated digital and offline games resources that invite students to engage with contemporary social justice issues.
Khan Academy	Interactive lessons and instructional videos; students practice at their own pace, first filling in gaps in their understanding and then accelerating their learning.

Learning Hero Roadmap	An interactive guide with videos/tools to help parents support grade-level math, reading, and social-emotional development.
Newsela	Great nonfiction articles with five options for levelled reading.
NOVA	Compelling videos, simulations, teacher guides, and other activities.
PBS LearningMedia	PreK-12 digital media service. Search and browse thousands of learning materials to enrich instruction, including videos, interactive lesson plans, media galleries, and more.
Quarto Classroom	A free video library on YouTube of Quarto's creators using their books as teaching tools in educational spaces.
Smithsonian Learning Lab	An interactive platform for discovering millions of authentic digital resources, creating content with online tools, and sharing in the Smithsonian's expansive community of knowledge and learning.
Smithsonian: TweenTribune & TT Junior	A trustworthy tween news site searchable by grade, topic, and Lexile level for Grades K – 12.
TED-Ed	Supports kids' sense of wonder with outstanding short video lessons
The Archievery	A free and safe online learning platform created by AT&T to provide K-12 students with engaging and entertaining videos paired with educational activities. English language arts, social-emotional learning, technology and engineering, digital arts, math, science, and digital literacy
Wonderopolis	Each text has vocabulary practice, a comprehension quiz, and activities for further learning. The Immersive Reader tool increases text accessibility with read-aloud, picture dictionary, translation, and more.
YouTube Learning	Playlists and channels organized by subject area.

Physical and Health Education

KidsHealth	Easy-to-follow articles, slideshows, videos, and health tools designed to help kids and teens learn, grow, and be their best.
PBS Learning Media's Health & PE	Resources that provide essential lessons on physical, mental, and emotional health.

TED-Ed	Useful instructional videos with comprehension questions, additional resources, and guided discussion questions for Physical Fitness and Health.

Science

100 Fun Science Experiments / Fair Projects	Amazing collection of science experiments and science fair projects that you can try with your kids and students at home or school.
Alchemie's Animator	An app which allows users to build and share molecular animations to understand chemical concepts. Look for other apps by Alchemie Solutions, Inc. on Google Play and the App Store.
Google Earth	Search for specific locations or quickly manually manoeuvre across the globe, zooming in to show detail to the level of parked cars and even pedestrians. Many world areas can be viewed in 3D, allowing students to see cities, the countryside, and famous landmarks in three dimensions.
High-Adventure Science	Each module includes interactive computer-based systems, models and real-world data on unanswered questions scientists face today. Students explore evidence and discuss the issues of certainty and uncertainty, with the models and data.
HMXEarthScience	A collection of the best resources available to help teachers and students explore, learn, and review the scientific fields of astronomy, meteorology, and geology.
Learn Genetics	Multimedia tools to teach and understand complex biology topics.
Legends of Learning	Provides an engaging educational experience for at-home learning. Kids will love the educational games on the platform. The data is generated automatically with progress.
Nasa - STEM@Home	Videos, interactive multimedia, hands-on activities and more categorized by grade range.
National Geographic Education	A top geography resource site providing global exploration opportunities.

NOVA Labs	A digital platform that engages teens and lifelong learners in games and interactives that foster authentic scientific exploration. Conduct investigations by visualizing, analyzing, and sharing the same data that scientists use.
Ocean School	By the National Film Board of Canada. It's bilingual, free and has Aboriginal content! A YouTube channel and an app on iOS. It uses video, virtual reality, interactive and 360-degree video, augmented reality, newsreels, toolkits and assessments.
PhET Interactive Simulations	Provides fun, free, interactive, research-based science and mathematics simulations.
Science Buddies	K-12 STEM resources, including 160+ hands-on STEM activities and videos. Our activities cover different STEM concepts, can be done in an hour or less, and use materials easily found at home.
Smithsonian Science Education Center	Curriculum & resources searchable by type, grade and topic.
STEM Resource Finder	Engage your students with scientifically accurate virtual labs and hands-on digital tools. Make the invisible visible and explorable to bring out the inner scientist in everyone.
Xplorlabs	An educational platform designed to encourage students to "solve through science." Includes interactive videos, instructional experiences, hands-on activities and creative challenges.

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ASL Kids	ASL learning app for Beginners & Kids.
Boukili	Help your students and children love reading in French.
Duolingo	A science-based language education platform that has organically become the most popular way to learn languages online.
Fingerspelling	Learn the ABCs in ASL with machine learning.
Games for Language	Online learning courses & games for a variety of languages.

HandsOnASL	Learn to fingerspell with sign language.
OnlineFreeSpanish	Dozens of games, colouring pages, and interactive activities by level can be accessed anytime on tablets or desktops.
Sign School	Learn American Sign Language

Social Studies

Ancient History Encyclopedia	A vast collection of interesting articles and a Media Library with 12,360 images, videos, and 3D models.
Canada's History	Lesson plans that are searchable by grade level, and more.
Canada's Museum of History	Videos, activities and online resources.
Canada's War Museum	Videos, activities and online resources.
Canadian Museum For Human Rights	Join our guides on video tours of the Museum's galleries and architecture. Check out Museum exhibits and stories about human rights defenders and history. Discover our many special online experiences.
Chronas: Enter History	Chronas is a history map application with over 50 million data points showing world history as it ecolves through time.
Digital Public Library of America	An organized digital library features useful primary resources, including Canadian documents.
DocsTeach	Access to thousands of primary sources — letters, photographs, speeches, posters, maps, videos, and other document types; includes ready-to-use document-based activities.
EDSITEment	An extensive humanities resource offering a deep well of great content with lesson plans, teacher's guides and student activities.
Google Arts & Culture	An excellent curation of art and culture and interactive activities inviting exploration.

Google Earth	Search for specific locations or quickly manually manoeuvre across the globe, zooming in to show detail to the level of parked cars and even pedestrians. Many world areas can be viewed in 3D, allowing students to see cities, the countryside, and famous landmarks in three dimensions.
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Our Country, Our Parliament	Learn about the Canadian Parliament through a downloadable book and interactive resources.
Parliament: An Overview	Learn about the Parliament of Canada
Smithsonian's History Explorer	Lessons, activities, interactives, engaging media and more. Resources can be filtered by grade range, resource type, historical era and cross-curricular connections.
Settera	More than 400 free map quiz games in 39 languages
Teachers Zone	Canadian History In Your Classroom
Time for Kids	A digital news magazine for kids with age-appropriate stories kids are excited about and information just for kids that explains the world around them.
Touchable Earth	Experience the world in the first person and access 25 communities worldwide.

STEAM

100+ STEM and STEAM Resources Livebinder	has a variety of tools, videos and resources for you to browse.
Design Squad Global	Interactive learning fun.

Engineer Girl	Engineer Girl shares positive role models and what they do.
Get Caught Engineering	STEM for Kids
Going from STEM to STEAM	A prezi sharing STEAM creatively.
Government of Canada lesson Plans	STEAM resources
How to Smile	A site that houses wonderful math and science activities.
Let's Talk Science	STEAM at Home
NASA Middle grades STEM lesson plans	Free webinars for students!
PBS STEM Resource	A phenomenal site with lessons for K-12 in Science, Technology, Engineering and Math as well as professional development for teachers.
Planting T's	A website dedicated to promoting design thinking in K-12 education.
SF MoMA Teacher Resources	This section of the San Francisco MoMA site for teachers is a goldmine of articles you can select and read with students, video interviews, project ideas and an entire section dedicated to STEAM.
STEAM Education Lessons	Provide several high-quality STEAM lessons that you can browse through.The STEAM Academy is a terrific site for advocating and sharing authentic STEAM projects and efforts.
Teach Engineering	The engineering design process emphasizes open-ended problem-solving and encourages students to learn from failure. This process nurtures students' abilities to create innovative solutions to challenges in any subject! Fully aligned to engineering and STEM standards.
Teachers Pay Teachers	for design thinking worksheets and find art lessons here.
We are Teachers	10 Innovative Projects that Take Learning from STEM to STEAM
Working in Scratch: Putting STEAM into Cross-Curricular Collaboration	A prezi that gives practical applications for using the computer program SCRATCH in the arts classrooms.

Virtual Field Trips & Tours

Parliament: The Virtual Experience	Virtual tour of the Parliment of Canada

British Natural History Museum	Virtual Museum: 14 ways to explore from home
Canadian Farm Food Virtual Tours	Learn how things are made and how animals are raised.
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Hall of Planet Earth (Grades 6-8)	Explore how plate tectonics explains specific Earth formations.
Inside STIRLING CASTLE walking tour	Join us for a stroll through Scottish history, inside the incredible walls of Stirling Castle! (YouTube)
Lincoln Memorial	Tour the memorial to this highly regarded President who presided during the Civil War.
London National Gallery	The Virtual Gallery - Wherever you are in the world, you can experience the Gallery
Natural History Museum	13 ways to explore from home Delve into the Museum from home with a virtual self-guided tour of the galleries, an interactive experience about Hope the blue whale and audio guides narrated by Sir David Attenborough.
Royal Tyrrell Museum Park	Visit Canada's only museum dedicated exclusively to the study of ancient life from home.
Slime in Space	This video field trip shows how slime acts in space. Watch astronauts play ping pong with it!
Smithsonian: National Museum of Natural History	Virtual Tours
Stirling Castle - Scotland 4K Virtual Walking Tour	See Scotland's Sterling Sastle Museum. (YouTube)

The National Aquarium	Explore one of the best aquariums in the country in this interactive self-guided tour.
The Perfect Walk	See historic sites, museums and more with me as I explore different places around the world. (YouTube)
The Sistine Chapel	Leonardo Da Vinci's masterpiece cannot be photographed, but you may take a virtual tour here.
The Giant's Causeway Virtual Tour	A unique rock formation found in Ireland. This 360° experience is controlled by you.
The Largest Cave in the World	A wondrous cave in Vietnam that includes almost anything you can imagine!
The Manhattan Project Field Trip	WWII Atomic Bombs: Learn about how the most powerful weapon in the world was made and the history behind it.
The United States Constitution Museum	Learn about what is considered the most important document the USA has ever written.
Virtual Planetarium	View the night sky from a planetarium and learn about the stars, constellations, planets and more.
Virtual Tour of the Great Wall of China	Virtually explore the great wall of China.

External Free Resources Gr. 10-12

Applied Design, Skills, and Technologies: Design Thinking and Making

Autodesk Design Academy	Professional online STEM courses. Learn the skills you need to succeed tomorrow.
Fortnite Creative: Unreal Engine	Create a private island and build game creations tool and Twinmotion free visualization software.
Google Applied Digital Skills	Practical lessons teach critical computer skills.

Instructables	Makes it easy to learn how to make anything, one step at a time.
mBlock5.0	A block-based coding platform based on Scratch and Python. It supports Makeblock robotics, Arduino, micro:bit, etc.
Mouse Open Projects	Creative STEM, computer science and technology activities for students in grades 5-12.
Roblox Education	Online tutorials and lesson plans teaching coding, design thinking and entrepreneurship. Our Team Create feature allows students to remotely collaborate on projects together.
RoboBlockly	An online environment for learning math, coding, robotics, and Arduino, with over 1000 learning activities for a range of student levels, using both virtual and hardware robots.
Scratch	A creative coding platform that allows children of all ages to code, share, and remix their own stories, games, and animations.
The Tech at Home	STEM and Design Challenge activities for K-12 learners.
Technovation Girls Curriculum	A hands-on coding and entrepreneurship curriculum for teams of teens to develop a mobile app to address a real-world problem in their communities.
Tinkercad	A tool that supports design thinking and maker education. Tinkercad offers three different workspaces where students can design: 3D Design, Codeblocks, and Circuits.

Arts Education

8notes.com	Sheet music and resources for musicians, including tuners, chord charts, and lessons.
Blob Opera	Create your own opera-inspired song with Blob Opera; no music skills are required!
Flat	User-friendly music composition software that gives you all the tools you need to make your own sheet music. You can write, listen, share and discover music scores.
Institute for Arts Integration	Arts-integrated online learning experiences for students that include videos and lesson plans

Google Arts & Culture	An excellent curation of art and culture and interactive activities that invite exploration.
National Gallery of Art	From Byzantine altarpieces to pop art, learn about the collection's paintings, sculptures, prints, drawings, photographs, and other works.
PBS Learning Media- Arts	Resources, videos, and interactive lessons in dance, music, theatre, and visual arts.
TedEd Visual Arts	Instructional videos with comprehension questions, additional resources, and guided discussion questions.

Bible/Christian Studies

Mini Bible Lessons	Short, self-guided lessons on topics of interest to teens
Open Network	Engaging video dramas and Bible-based topics complete with leader guides and activities.
Sword Keepers	Memorize Bible passages online at your own pace with free video lessons that combine hand motions and meaning, helping you learn verses quickly, understand them deeply, and retain them for life.
Unlocked	A daily audio devotional for teens.

Career Education

DegreeHub	Find the right university and major for you, powered by AI. Take the free 10-minute quiz to unlock your custom recommendations.
EngineerGirl	Information and tools that encourage girls to explore engineering.
EVERFI	Standards-aligned, research-based digital lessons to teach students to thrive in an ever-changing world.
SignalHill	Life-building teaching tools to help you inspire and equip your K-12 students
Thrively	Guides students through a student-centred journey to discover their strengths, increase their self-awareness, set goals and track progress, build skills, and learn real-world problem-solving

Communication & Collaboration

Lino	A sticky-note tool to organize and collect information and can be shared with parents and teachers
Screencastify	Empowering students to demonstrate and share their learning
Seesaw	Students share their learning with others through digital portfolios
Wakelet	Save, organize, and share any content from across the web

Computer Science

Code.org	Hundreds of computer science activities and tutorials
Codeable Crafts	Animate stories with accessible drawing tools and coding blocks
CS First	Makes coding easy to teach and fun to use
Scratch	Code, share, and remix stories, games, and animations

Digital Literacy and Wellness

Be Internet Awesome	To make the most of the Internet, kids need to be prepared to make smart decisions. Be Internet Awesome empowers kids with tools and education to confidently and safely explore, grow, and play online.
Common Sense Media	All students need digital citizenship skills to participate fully in their communities and make smart choices online and in life. Everything You Need to Teach Digital Citizenship.
LIVING WELL IN A DIGITAL WORLD	A Guide for Students, Schools and Families - LIVING WELL IN A DIGITAL WORLD
Media Smarts	MediaSmarts has been developing digital media literacy programs and resources for Canadian homes, schools and communities since 1996. Our work falls into three main areas: education, public awareness, and research and policy.
Protect Kids Online	ProtectKidsOnline.ca is designed to assist parents/guardians in protecting their children on the Internet and reducing their risk of victimization.

Well Being BC	Well-Being BC was created for all schools, as part of a school-based mental health initiative to support three pillars of Well-Being: SOCIAL EMOTIONAL LEARNING. MENTAL HEALTH LITERACY. TRAUMA-INFORMED APPROACHES.

English Language Arts

826 Digital	A Good Time to Write: Remote Learning Kit Engage young writers of any age at home with this collection of 826 Digital writing prompts and activities.
Lit Guides by bartleby	Offers literature guides for classic novels and some other free resources.
LitCharts	A literary resource of over 1600 study guides and teaching materials for fiction, nonfiction, poetry, literary devices, Shakespeare, and more. Most of the content is free and accessible to all.
myShakespeare	Media-rich, full-text editions of Shakespeare's plays with interactive content and study tools.
National Novel Writing Month	A fun, empowering approach to creative writing. The challenge: draft an entire novel in just one month.
Natural Reader	A professional text to speech program that converts any written text into spoken words.
Poets.org	Hundreds of essays and interviews, audio clips, biographies of more than 500 poets and over 2000 poems.
Poetry Writing Analysis Guide	In-depth overview organized into topics, each with its own summaries, helpful links for further study and key terms.
Quill	Free tools to make your students better writers. Quill provides elementary, middle, and high school students with free writing and grammar activities.
ReadWorks	1000's of nonfiction & fiction differentiated reading passages with curriculum and supports designed to improve comprehension.
Scrible Edu	A robust research & writing platform. Google & Microsoft integrated. Students curate, annotate, cite, organize & collaborate on articles.
Storybird	A social storytelling site that helps kids create and publish storybooks; boosts writing skills with 700+ challenges.

Indigenous Education

Canada's Original Place Names	Indigenous Peoples named many places in present-day Canada.
Great Bear Sea	Environmental Science lesson plans K-12.
Indigenous Education Resource Inventory	Resources from the BC Ministry of Education.
Indigenous Peoples Atlas of Canada	Four books: Truth and Reconciliation, First Nations, Inuit, Metis
Indigenous Voices	How to Talk about Indigenous People, a video.
SignalHill	Life-building teaching tools to help you inspire and equip your K-12 students
Whose Land	Whose Land is a web-based app that uses GIS technology to assist users in identifying Indigenous Nations, territories, and Indigenous communities across Canada.

Mathematics

Didax	Virtual manipulatives and downloadable activities for PreK – Grade 12.
GeoGebra	Dynamic mathematics software with an easy-to-use interface that combines geometry, algebra, spreadsheets, graphing, statistics and calculus in one easy-to-use package.
Khan Academy	Provides interactive lessons and instructional videos; students practice at their own pace, first filling in gaps in their understanding and then accelerating their learning.
MasterMath	Middle School Online Math (Free Video Math Lessons, Worksheets and Quizzes)
Mathigon	An online textbook for middle and high school mathematics. The unique content format makes learning interactive, and a virtual tutor gives personalized help.
PBS Learning Media Mathematics	Interactive games, animations and engaging media resources.

Virtual Nerd: Real Math Help	Over 1,500 video lessons covering Middle Grades Math through Algebra 2.

Multi-Subject

Actively Learn	A digital reading platform for students on various topics; includes illustrations, driving questions and comprehension questions to keep students engaged.
Arca	Discover BC's Digital Treasures
CK-12	Free Math, Science, Social Studies, English and more courses for grades 1-12.
Easy Peasy All-In-One Homeschool	A free online Christian homeschool curriculum.
Esri GeoInquiries	Interactive maps make learning come alive in mainstream subjects—like environmental science, math, history, and literature—and beyond.
Games for Change	A website of curated digital and offline games resources that invite students to engage with contemporary social justice issues.
Khan Academy	Interactive lessons and instructional videos; students practice at their own pace, first filling in gaps in their understanding and then accelerating their learning.
Learning Hero Roadmap	An interactive guide with videos/tools to help parents support grade-level math, reading, and social-emotional development.
Newsela	Great nonfiction articles with five options for levelled reading.
NOVA	Compelling videos, simulations, teacher guides, and other activities.
PBS LearningMedia	PreK-12 digital media service. Search and browse thousands of learning materials to enrich instruction, including videos, interactive lesson plans, media galleries, and more.
Quarto Classroom	A free video library on YouTube of Quarto's creators using their books as teaching tools in educational spaces.
Smithsonian Learning Lab	An interactive platform for discovering millions of authentic digital resources, creating content with online tools, and sharing in the Smithsonian's expansive community of knowledge and learning.

Smithsonian: TweenTribune & TT Junior	A trustworthy tween news site searchable by grade, topic, and Lexile level for Grades K – 12.
The Archievery	A free and safe online learning platform created by AT&T to provide K-12 students with engaging and entertaining videos paired with educational activities. English language arts, social-emotional learning, technology and engineering, digital arts, math, science, and digital literacy
TED-Ed	Supports kids' sense of wonder with outstanding short video lessons
Wonderopolis	Each text has vocabulary practice, a comprehension quiz, and activities for further learning. The Immersive Reader tool increases text accessibility with read-aloud, picture dictionary, translation, and more.
YouTube Learning	Playlists and channels organized by subject area.

Physical and Health Education

KidsHealth	Easy-to-follow articles, slideshows, videos, and health tools designed to help kids and teens learn, grow, and be their best.
PBS Learning Media's Health & PE	Resources that provide essential lessons on physical, mental, and emotional health.
TED-Ed	Useful instructional videos with comprehension questions, additional resources, and guided discussion questions for Physical Fitness and Health.

Science

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Settera	More than 400 free map quiz games in 39 languages
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World101	From the Council on Foreign Relations, World1010 offers a growing library of multimedia resources that explain international affairs and foreign policy issues for students through entertaining and interactive storytelling.

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