

SCIENCE

The book of potentially catastrophic science: 50 experiments for daring young scientists by Sean Connolly J507.8C66

Rise of the rocket girls: the women who propelled us, from missiles to the moon to Mars by Nathalia Holt 629.4072 H65 2016

Space encyclopedia: A tour of our solar system and beyond by David A. Aguilar J523.1A4

Science on the loose: amazing activities and science facts you'll never believe by Helaine Becker J500 B4

We dare you! Hundreds of science bets, challenges, and experiments you can do at home by Vicki Cobb J507.8 C6 W4

Marzipan contains cyanide? And other freak food facts by Richard Platt J641.3 P5

Why is milk white? & 200 other curious chemistry questions by Alexa Coelho J540 C6

A young scientist's guide to defying disasters with skill & daring by James Doyle J500 D6

Really, really big questions about science by Holly Cave J500 C3

Lives of the scientists: experiments, explosions by Kathleen Krull J509.2271 K7

The mad scientist's notebook by Elizabeth Snoko Harris J507.H3 M3

100 most important science ideas by Mark Henderson 500 H4

How to find it: STEAM in the Dewey Decimal System

General Works	600	Technology
004-006 Computers	610	Medicine
	620	Engineering
	630	Boats, planes, cars
500	640	Agriculture, gardening, animals
510 Mathematics	650	Cookery, sewing, child care
520 Astronomy	660	Business
530 Physics	670	Manufacturing
540 Chemistry	684	Home Workshops
550 Earth Sciences	690	Building, Carpentry
560 Fossils		
570 Life Sciences		
580 Botany		
590 Zoology		
700	The Arts	
710 Landscaping Architecture		
720 Architecture		
730 Sculptures, coins, ceramics		
740 Drawing, crafts		
750 Painting		
760 Graphics		
770 Photography		
780 Music		
790 Film, theatre, sports		

Penticton Public Library wants to support all our patrons' learning for their formal and self-directed education.

This brochure has resources for all ages from younger kids to much older ones (adults).

If you have any questions about STEAM resources or where to find these books, just as at the info desk!



PENTICTON
PUBLIC LIBRARY



a list of resources for

**SCIENCE
TECHNOLOGY
ENGINEERING
ART
& MATH**

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so what is STEAM?

STEAM is the popular acronym for the fields of **Science, Technology, Engineering, Arts and Math**. Every year, more jobs are being created that need training in these fields.

Libraries around the world have been working towards providing more information about these fields to patrons of all ages. Our goals are to educate and provide opportunities for hands-on learning in a safe and encouraging environment.



Looking for programs at your library that are part of the STEAM fields?
Check out our monthly calendar online at...

<http://www.pentictonlibrary.ca/month>

...to find something that fits!

TECHNOLOGY

ENGINEERING

ART

MATH

Digital literacy for dummies by Faithe Wempen
004 W46 2015

Electronics for kids: a lighthearted introduction by
Oyvind Nydal Dahl J621.381 N93 2016

Electronics for kids for dummies by Cathleen Shamieh
J621.381 S4 2016

HTML and CSS: visual quickstart guide by Elizabeth
Castro 006.74 C38

Javascript for kids for dummies by Chris Minnick
J005.133 M5 2015

Java in easy steps: covers Java 8 by Mike McGrath
055.133 M2 2014

Python for kids for dummies by Brendan Scott
J005.133 S3

Sams teach yourself HTML and CSS in 24 hours by Julie
C. Meloni 006.74 M45

Ruby for kids for dummies by James Dittrich
J005.133 H3

To the cloud: big data in a turbulent world by Vincent
Mosco 004.6782 M67 2014

Make tech DIY: easy electronics projects for parents and
kids by Ji Sun Lee and Jaymes Dec J621.381 L44 2016

Beginning HTML5 & CSS3 for dummies by Ed Tittel and
Chris Minnick 006.74 T58

100 inventions that made history by Tracey Turner
J609 T8

Amazing Leonardo da Vinci inventions you can build
yourself by Maxine Anderson J620.0092 A4

The big book of things to make by James Mitchem
J790.1922 B54

Robotics: discover the science and technology of the
future with 20 projects by Kathy Ceceri J629.892 C43

The robot book: build & control 20 electric gizmos,
moving machines and hacked toys by Bobby Mercer
J629.892 M4

Robots: from science fiction to technological
revolution by Daniel Ichbiah 629.892 I3

Junk drawer physics: 50 awesome experiments that
don't cost a thing by Bobby Mercer J530.078 M4

Inventions that could have changed the world... but
didn't! by Joe Rhatigan J608 R4

A voyage in the clouds: the (mostly) true story of the
international flight by balloon in 1785 by Matthew
Olshan JE OLS

What a great idea! Inventions that changed the world
by Stephen M. Tomecek J609 T6

How things work by Conrad Mason J600 M3

The kids' book of simple machines: cool projects &
activities that make science fun! By Kelly Doudna
J621.8 D6 2015

Robot building for beginners by David Cook
629.892 C6

Art lab for kids: 52 creative adventures in drawing,
painting, printmaking, paper, and mixed media for
budding artists of all ages by Susan Schwake
J702.8 S39

A book about color: a clear and simple guide for young
artists by Mark Gonyea J535.6G85

The big book of art: draw! paint! create! By Lisa Martin
J702.8 B5

Outdoor crafts by DK Publishing J635 O8

Splat!: the most exciting artists of all time by Mary
Richards J709.22 R5 2016

Learn to speak music: a guide to creating, performing,
and promoting your songs by John Crossingham
J782.42164 C7

Ear-splitting sounds and other vile noises by Anna
Clabourne J534 C5

ArtStarts for little hands: fun & discoveries for 3- to 7
-year olds by Judy Press and Karol Kaminski J745.5 P73

Get into art telling stories by Susie Brooks J702.8 B7

500 kids art ideas: inspiring projects for fostering
creativity and self-expression by Gavin Andrews
J745.5 A6

23 ways to be an eco hero: a step-by-step guide to
creative ways you can save the world by Isabel Thomas
and Chris Andrews J333.72 T4 2016

Growing patterns: Fibonacci numbers in nature
J512.72 C3

Math-terpieces: the art of problem-solving by Nick
Willoughby J510 T3

Millions, billions, & trillions by David A. Adler J513 A3

Mysterious patterns: finding fractals in nature by
Sarah C. Campbell J516.15 C3

If: a mind-bending new way to look at big ideas and
numbers by David. J. Smith J500 S6

A mind for numbers: how to excel at math and science
(even if you flunked algebra) by Barbara Oakley, Ph. D
501 025 2014

Math Curse by Jon Scieszka and Lane Smith JE SCI

ONLINE RESOURCES

STEAM Websites:

<https://www.stevespanglerscience.com/>
<https://hourofcode.com/us/learn>
<https://www.w3schools.com/>

eMagazines

(accessed through <http://pentictonlibrary.ca/zinio/>)

- Earth
- Popular Science
- Smithsonian Magazine
- How it Works
- Astronomy
- PCWorld
- ARTnews
- Discover
- Drawing
- Sound & Vision
- Popular Mechanics
- WIRED
- SkyNews