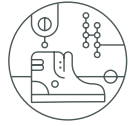


Course Flow



Lesson 1

About Me Quiz



Lesson 2

Designing the
Ultimate Prototype



Lesson 3

Connecting the
Home of the Future



Lesson 4

Building the
Perfect Playlist



Lesson 5

Data Champions

Course Topic Areas

- The Careers Powering STEAM Industries
- Big Data and the Internet of Things
- Future of Manufacturing and Design
- The Algorithms Behind Recommendations
- Data & Analytics with Sports
- Computer Science with Video Game Development

Why STEAM for British Columbia?

Over 5.0% of British Columbia's workforce is employed by the high tech sector and **continues to grow**.

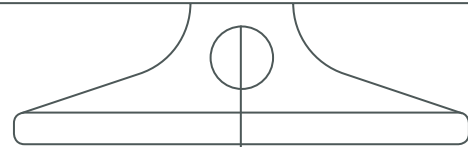
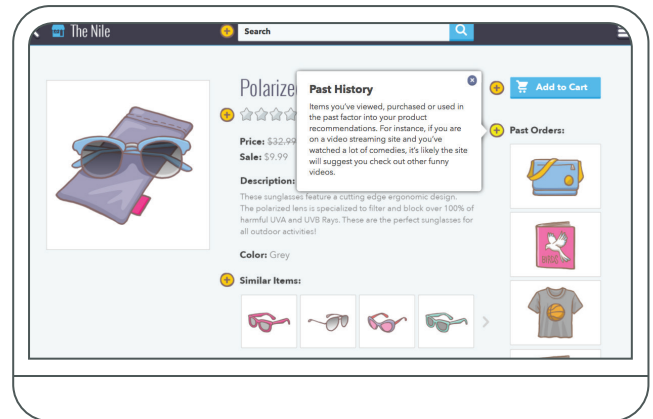
High tech employment **exceeds** that of the mining of oil and gas, and forestry sectors combined in British Columbia.

One key indicator determining high school graduates' interest in STEM is **learner interest entering high school**.

Learning Activity Highlights

Connecting the Home of the Future - The Internet of Things is transforming day-to-day life in ways no one could have predicted. Learners investigate and "connect" data to decision-making as they calibrate and optimize the Home of the Future, ultimately realizing the Home of the Future is closer to today than we may realize. Dynamic and cutting edge career pathways are explored as learners utilize data literacy skills to make their own impact.

Perfect Playlist - While predictive algorithms play an increasingly important role in online behavior and daily decision-making, learners are often unaware of the impact their behavior has on what they see online. In this open-ended activity, learners act as "Head of Curation", exploring collaborative and content-based filtering techniques to build the perfect musical playlist.



EDUCATORS



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