



Joshua Gillingham

Technology - Design - Education

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Learning Design

Highlighted Project - Codegogy: Text-Based Coding for BC Curriculum

Guided by Gagne's *Nine Events of Instruction* and Mayer's *Cognitive Theory of Multimedia Learning*, Joshua produced a full day, web-based professional development resource for BC teachers on how to teach coding. Joshua enriched the educational content by leveraging his experience in web design (HTML, CSS, Javascript) to create and embed videos, animations, infographics, and assessments.

Product Design

Highlighted Project - Althingi: One Will Rise

Joshua designed and developed the card game *Althingi: One Will Rise*, commercially published through [Outland Entertainment](#). Using the ADDIE model and industry standard graphic design tools such as Adobe Photoshop, Joshua iteratively tested and improved the game using play-tester data and feedback from other designers.

Educational Technology

Highlighted Project - The 'Tech Ins' Initiative

As the Educational Technology Coordinator for Aspengrove School, Joshua recognized the need to facilitate a conversation between technology stakeholders on campus. Through one-on-one 'Tech Ins', Joshua liaised between administrators, IT contractors, and professional educators to assess, address, and resolve many of the most pressing technology-related issues that teachers were facing in the classroom.

Professional Experience

- 2018-2021: **EdTech Coordinator / IB Mathematics & Design**
Aspengrove School - Nanaimo, BC, Canada
- 2019-2021: **Author, Editor & Game Designer**
Crowsnest Books & Outland Entertainment, Canada & USA
- 2015-2018: **Secondary Math, Computer Science, & Graphic Design**
Spruce Grove Composite High School - Alberta, Canada
- 2014-2015: **Public Science Educator - Outreach Coordinator**
Telus World of Science Edmonton - Alberta, Canada

Professional Qualifications

- July 2020: **MEd - Educational Technology and Learning Design**
Simon Fraser University, Canada
- May 2014: **BEd - Secondary Mathematics & Science**
University of Alberta, Canada
- May 2012: **BSc - Mathematics & Chemistry**
Concordia University of Edmonton, Canada

Professional Certifications

W3 Certified Front End Web Designer (Pending April 2021)
BC Ministry of Education Teaching Certificate (L204943)
Alberta Permanent Teaching Certificate (299708Y)

Professional References

Dr. Kevin O'Neill: *Capstone Supervisor, SFU - kevin_oneill@sfu.ca*

Dr. Engida Gebre: *Research Methods Professor, SFU - engida_gebre@sfu.ca*

Jo-Anne Kingston: *Aspengrove Head of School - jojokingstone@gmail.com*