mypita.ca
provincial intermediate and middle years teachers' association

Easy Coding for Teachers

July 11-14 | SFU Downtown Vancouver | 10am-4pm
Low prep, no prior experience required workshops for integrating coding and computational thinking across the curriculum.

All workshops align with the new Applied Design, Skills and Technologies (ADST) curriculum for easy incorporation into other subjects. **No prior coding experience required.**
Attend single or multiple workshops. BYOD: Bring your own wi-fi enabled device.

JULY 11

Ditch the Devices
Computer Science and Coding Concepts Through Unplugged Activities

You don't have to be an expert to teach the essential concepts of coding and computer science. In fact, you don't even need a computer. Unplugged activities allow teachers and students to focus on learning coding concepts without the problems inherent when using technology. Offline, real world cooperative puzzles, games, and hands-on activities engage students and promote shared understanding and discussion.

After a day of experiential learning and exploring, you will have a solid conceptual foundation of coding and computer science, and a range of unplugged resources to use in your classrooms.

JULY 12

Coding with Scratch is Easy

Create interactive stories, animations, music, and games with Scratch, MIT Media Lab's free block-based programming language. You will have plenty of hands-on opportunities to learn Scratch by exploring common programming concepts and terms with real world examples and classroom applications. Discover ways in which Scratch can help students in any subject area and ability level think creatively, reason systematically, and work collaboratively.

Scratch is about more than just programming; it's a community where you can share resources, get support and find curricula and lesson plans. By the end of the day, you will know how to use the Scratch website to make the most of the educator and student resources. No prior experience with coding required.

JULY 13

Adventures in Design Thinking Across the Curriculum

Fire up your students' thinking and creative problem solving skills. Design thinking is cross-curricular strategies that help students analyze and solve real world inquiry questions. Personally experience how to apply an almost effortless and flexible problem-solving strategy that boosts creativity and fosters collaboration. Ideal for integrating the new ADST curriculum, Social Studies, Science, Art, and more with minimal preparation.

After learning about the powerful link between the problem-solving approach of computational thinking and lateral thinking, you will have the chance to design activities that meet the needs of your students in specific subject areas. You will do this by adapting the strategies you already use in class so you don't have to add to the curriculum.

JULY 14

Maker Day: Apps and Websites for Beginners

This full day workshop is divided into two sections. After each section, you will leave with a new set of skills, some practical strategies for how to teach these skills to your students and the apps and webpages products you created.

Make an App: Learn how to use MIT's free App Inventor website to create simple applications for personal, professional and classroom use. We will also show you how to find and use resources to help you teach these skills and programs to your students. Finally, we will help you find ways to integrate what you have learned for your specific subject(s) and grade(s). No prior experience with app development required.

Make a web page: Learn and use some basic HTML and CSS (web design languages) that will help you create and style simple webpages and websites. Discover how students can use these skills to express their learning in different subject areas using software that exists on any computer. No prior experience with web design required.

Presenters

Robin Ulster and James Denby are teachers and workshop leaders who are passionate advocates for the potential of technology to give voice to and empower individuals and groups. They have been lucky enough to work with students and teachers in Canada, the United States, Turkey, Colombia and Thailand during their 20-year teaching careers. Robin and James believe that technology use fulfills its potential when it is meaningful, integrated and authentic. They believe that people need not just the tools to use technology but the knowledge of how to create with it. They want to break down those barriers and ensure that anyone can code.

Register at mypita-coding.ourconference.ca

- myPITA members $50/day or $160 for all four days. Sign-up for a membership for $25.
- BCTF members $60/day or $200 for all four days.
- Non-BCTF members, out-of-province, and administrators $70/day or $220 for all four days.
- Register in advance online with a credit card; no on-site registration or payments accepted.
- Registration is non-refundable and closes July 10, 2017 or when sold out. No wait lists available.

SFU CONTINUING STUDIES

PSA of British Columbia Teachers' Federation