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THE NEWSLETTER OF BC EDUCATION
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Pro-D at Science World

Science World's professional development workshops embrace an approach to teaching and learning that reflects BC curriculum's focus on place-based, inquiry learning.

Science World is offering coding and computational thinking workshops throughout the province. Thanks to a contribution from the Government of Canada through the CanCode program, these workshops are free of charge (minimum attendance may be required).

- **Coding without Computers**
  If you're struggling with equipment and technology, this workshop will give you several ideas of how you can integrate coding into your classroom. In this workshop, we will explore a variety of off-screen activities that apply coding strategies, which will provide a foundational understanding for both you and your students.

- **Computational Thinking Across the Curriculum**
  Explore ways of integrating computational thinking across several content areas. In this workshop, you will engage in hands-on activities that use technology to demonstrate how this problem-solving strategy can be applied in subjects such as language arts, physical education, science, and math.

The Science of Computational Thinking

How can we make the process of designing investigations and representing data more relevant to students? Join us as we explore how to incorporate computational thinking, a problem-solving strategy, to the sciences. We'll share effective practices and discover how computational thinking might enhance students' progression through the curricular competencies.

Assessing Computational Thinking through Cross-Curricular Activities

The ADST curriculum from K to 9 is built on the model of integrating the applied design process into other subject areas. This workshop will allow teachers to explore cross-curricular lessons involving coding and computational thinking. Discussions and hands-on activities will allow participants to leave this session with a better understanding of creating meaningful interdisciplinary lessons, of assessment of curriculum and self-assessment of core competencies that can support both paper and digital reporting and portfolios.

Digital and Scientific Literacy

How do we know something in science? Literacy is a necessary skill to parse the information around us. Participants will explore scientific literacy by analyzing how technology and media can colour our understanding of the world. We'll use different tools to create more accurate sources of information through coding.

To learn more or to book a Science World workshop visit: https://www.scienceworld.ca/pro-d.