



• **Coding from the Littles to the Middles: Teaching and Learning with Robots in Elementary School** •

Presenters: Arlyn Bruccoli, M.S.Ed. and Jennifer Fitch, M.Ed.

Audience: *Elementary teachers, librarians, and technology integration specialists. No coding experience required, but if you have some that is fine, too!*

In this hands-on workshop, participants will work in teams to program KiBo, Beebot, WeDo Lego, Mindstorm & EV3 Lego robots, as well as be challenged to use a design-build process to solve simple engineering tasks. The presenters will share examples of student materials, assessment rubrics, scope and sequence, best practices for teacher collaboration, and tips for material management.

This workshop will specifically address:

- Different access points for getting started with robotics
- Literacy, math and science integration through robotics
- Direct instruction around collaboration and other transferable skills
- How robotics supports student collaboration to critically think and solve problems
- The benefits and challenges of using robotics in an elementary setting

Included in the price of this workshop is a Bee Bot Robot.

Tech specifications: We will use several coding and programming apps. Some of the apps run on iPads, some on Windows, and some on Chromebooks. We will also explore classroom uses of several robots that do not require a computing device.

Arlyn Bruccoli is the Librarian and Technology Integration Specialist at East Montpelier Elementary School. Her love of dinosaurs, anthropology, and children led her to pursue a Master of Science in Education at Bank Street College with a concentration in museum education. Jennifer Fitch is a first-grade teacher at East Montpelier Elementary School. In her over 20 years of teaching, she has taught every grade level except kindergarten. Her passion for early literacy and teaching children to read led her to complete her Master's in Education with a concentration in Early Literacy from the University of Vermont.

Date: December 7, 2018
Place: Lake Morey Resort
Fairlee, VT
Cost: \$275 (lunch and Bee Bot Robot included)
Time: 8:30-3:30



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• Integrating Technology and Literacy to Engage Learners
Across the Elementary Curriculum •

Presenters: Arlyn Bruccoli, M.S.Ed. and Jennifer Fitch, M.Ed.

***Audience:** Grades 1-6 classroom teachers, library media specialists, technology integration specialists, special educators, and literacy specialists.*

How can you teach science and social studies while also integrating literacy, critical thinking, collaboration, and problem solving? Classroom learning experiences that include storytelling and visual design apps engage a wide variety of learners. These instructional activities also support students in both their acquisition of content knowledge and their ability to communicate their understanding of new learning.

This hands-on workshop will highlight various applications and programs to integrate technology and literacy across the elementary curriculum. All activities will be modified versions of literacy, social studies, science, and technology instruction from the presenters' grades 1-6 setting. The presenters will also share examples of student materials, assessment rubrics, scope and sequence, best practices for teacher collaboration, and tips for material management.

While there are many apps that support creative expression, we will present instructional uses of Book Creator (iPad app and web-based for Chrome browser), Chatterkid (iPad app), Lego StoryVisualizer (iPad, Android), Canva (web app), and WeVideo. We will also share how we integrate our school Google suite with other apps.

This workshop will specifically address:

- The benefits and challenges of using writing and storytelling apps, as well as visual design and video editing apps
- How integrating technology supports students to think critically, solve problems, and use technology in age appropriate ways
- Direct instruction around collaboration and other transferable skills
- Best practices for sharing resources to leverage technology integration

Tech specifications: The apps we will use in this workshop are primarily iPad or Chromebook compatible and are supported through a combination of Windows machines, Chromebooks, and iPads.

***Arlyn Bruccoli** is the Librarian and Technology Integration Specialist at East Montpelier Elementary School. Her love of dinosaurs, anthropology, and children led her to pursue a Master of Science in Education at Bank Street College with a concentration in museum education. **Jennifer Fitch** is a first-grade teacher at East Montpelier Elementary School. In her over 20 years of teaching, she has taught every grade level except kindergarten. Her passion for early literacy and teaching children to read led her to complete her Master's in Education with a concentration in Early Literacy from the University of Vermont.*

Dates: April 11, 2019
Place: Lake Morey Resort
Fairlee, VT
Cost: \$190 (lunch included)
Time: 8:30-3:30



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