

# FEEDBACK - 19 June 2015 math + coding workshops

website: <http://www.researchideas.ca/coding>

## What did you learn?

- how to use Makey-Makey in my classrooms
- valuable ideas of the ways to incorporate coding in my math lessons
- using technology and coding to supplement curriculum
- teaching math through coding
- introduction to coding programs available for students to use to help develop math skills
- connections between math and coding are now more explicit
- Minecraft is a manipulative
- Sphero robot is a must buy ... great hook for students
- Makey-Makey - awesome
- importance of having students problem solve using technology
- basics of Minecraft, Scratch
- need basics of Scratch
- basics of Minecraft - how to use in education (math and science)
- to make math meaningful and hands on for our students
- to make "real world" applications
- building robots to use for art - circuits to light up for art - loved learning all about it!
- loved learning about Makey-Makey, the robots and the circuits
- programming in Lightbot - spatial reasoning
- art and programming/electronics
- about coding clubs and resources
- about some tools: Scratch, Minecraft, Lightbot
- I will start to muse Scratch in my grade 8 mathematics program
- concrete examples of how coding can be ties to the curriculum
- ideas for incorporating coding as an extracurricular
- the concept of "computational thinking"
- I learned Hopscotch and I really enjoyed it
- it was also great to see what other practitioners are working on
- really great ideas to take back to the classroom
- electronic circuits
- failure is not an option
- a good mix of hands-on learning and theoretical ideas
- many ways to incorporate coding principles, language and theory across the curriculum
- how to link curriculum to coding
- value of coding
- I learned about using Scratch - I also got over my fear of learning how to code
- several great ways to use coding as a way to engage students in math
- ways to use Scratch/Minecraft to support learning
- I learned about Scartch and using coding in teacher education program
- Lightbot is also new to me and I will use it in my course
- integration of various subjects to coding
- opportunity to "play" with programs
- a variety of Scratch programs
- integrating technology into everyday curriculum
- I got a lot deeper into Scratch

### **What else would you like to know?**

- more implementation of coding in school practices
- how to get funding to use these devices etc
- more detailed, intricate coding
- how to write code to explore math concepts
- examples of how to access learning when embedding technology this way
- models of exemplars
- I would love more time to practice!
- I want my board to host a Scratch workshop
- how to use Makey-Makey
- where to go from here
- more about Scratch
- connecting to curriculum in other areas
- more time for networking
- more info regarding "computational thinking"
- more info regarding assessment, particularly competency-based assessment in the mathematics classroom
- I have to think about it - my head is full with lots of great information
- what is the projected future when students can code - will it devastate the IT industry? - will it increase the number of viruses?
- more applications for the classroom - hands-n tools
- I would like to learn more applications of Scratch in my classroom
- more ideas for how to use this for IEP'd students
- I would like to obtain more knowledge on how to make math more visible
- more access to participation in these types of workshops - info disseminated directly to teachers
- more curriculum connections on integrating tech on the classroom
- I purchased a Sphere online after that session and I look forward to playing with it

### **Other comments**

- this was a wonderful day - thanks for organizing it!
- amazing workshop - would love to learn more!
- thank you - great day - loved the short session intros - excellent idea!
- Brian Aspinall and Lisa Floyd gave me a lot to think about
- poor WiFi set up
- thank you!
- Gabriella could have had a whole day of sessions - it was great!
- would have enjoyed having a full day session geared to Gabriella's session to get more hands on with robots/circuits
- fantastic day
- excellent workshop day with hands-on workshops
- I appreciated the short presentations of all workshops to mget an overview of what they were about
- a hashtag would be good
- very good presenters - the time just flew by!
- great day - thanks!
- would have been nice to know more about Scratch prior to using Makey-Makey
- a good day!
- good idea but need to ensure that all presenters are familiar with expectations in Ontario curriculum
- it was inspiring re: yet another way to deliver curriculum
- enjoyable, hands-on
- thank you for organizing today's symposium - it was very informative
- this may have been more beneficial earlier in the school year - there are only 4 days left - I hope I don't lose my enthusiasm in September