



FAME CONFERENCE

NOV. 6 - 8, 2019 | ORLANDO, FLORIDA

Love All, Serve All



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Curriculum connections through coding

This workshop will explore how basic coding through scratch can deepen student understanding of a topic and allow them to share their knowledge with peers.



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Welcome!



- Instructional design coordinator - Digital learning OCPS
- Media Specialist (OCPS 15 years)
- Masters in Education: Instructional design
- 1st place winner - The Follett Challenge - Most innovative library media program - \$35,000 prize.
- Contact information : isabel.turner@ocps.net,
- @turnertalks2u - Feel free to follow me.



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Agenda

At the end of this presentation you will;

- Understand how to use scratch coding to create a timeline of events.
- See various examples of how scratch has been used in my classroom.
- Create a block coding sequence to demonstrate a timeline of your life.
- Bonus - See how you can connect this to a Makey Makey to make any presentation interactive.



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Examples from my classroom





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Cont'd examples from my classroom





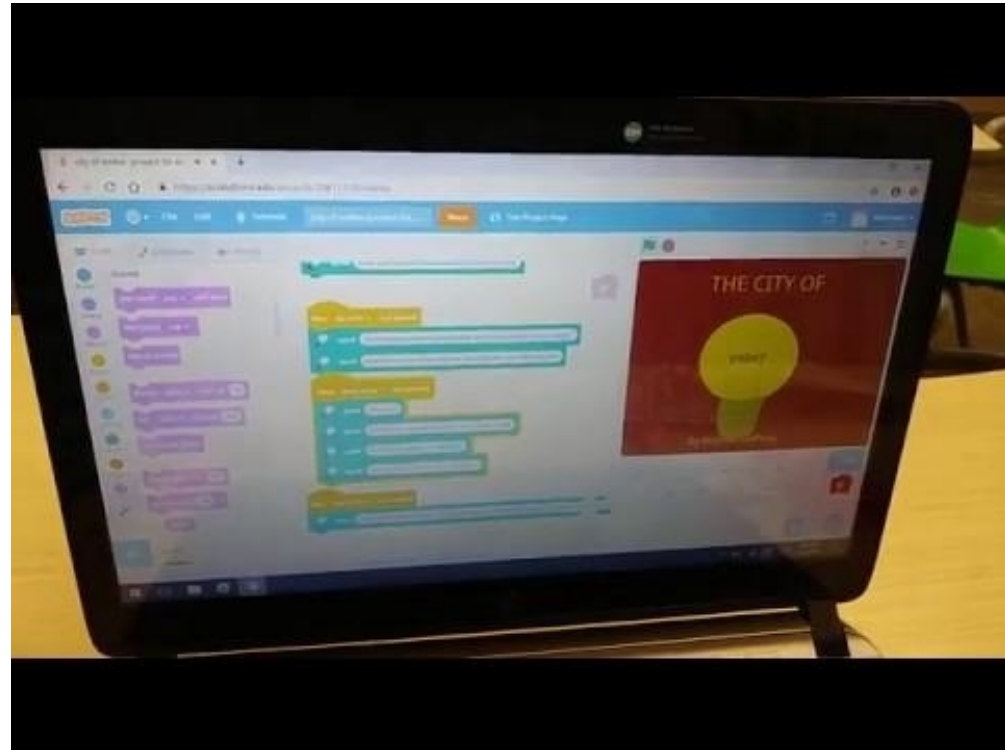
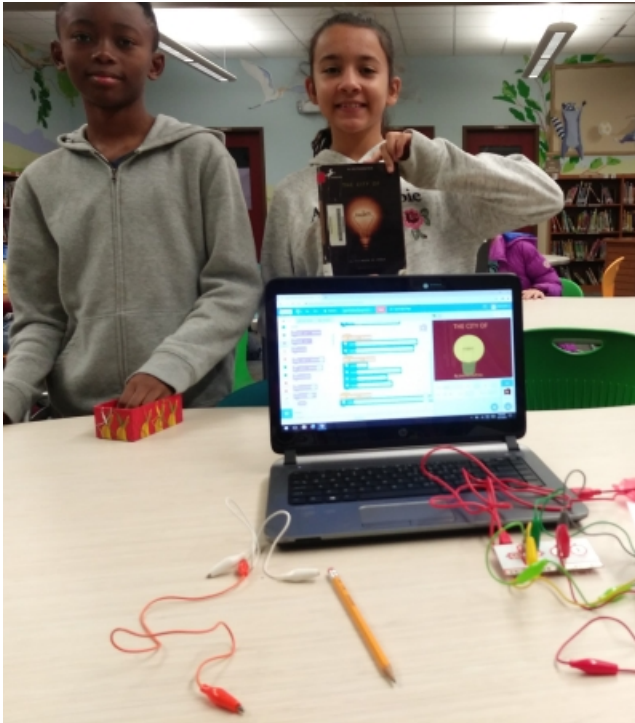
Cont'd examples from my classroom



Students showcased their projects to students in 1st and 5th grades



Cont'd examples from my classroom



Favorite book : The city of ember. Book trailer on a shelf



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Curriculum Connections

- Recording information about the planets.
- Making an interactive body systems project.
- An “operation” game to teach location and function of body parts.
- Narrating an art gallery walk in the media center celebrating our new wildlife mural.
- Making a magic mirror- when the mirror was touched positive affirmations were heard.

Share more ideas here [Padlet](https://bit.ly/2N6REqd) <https://bit.ly/2N6REqd>



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Getting started with scratch

Scratch is a free Block-based visual programming language and online community targeted primarily for children.

- scratch.mit.edu
- create an account
- view tips and tutorials
- Request an educator account for classroom projects

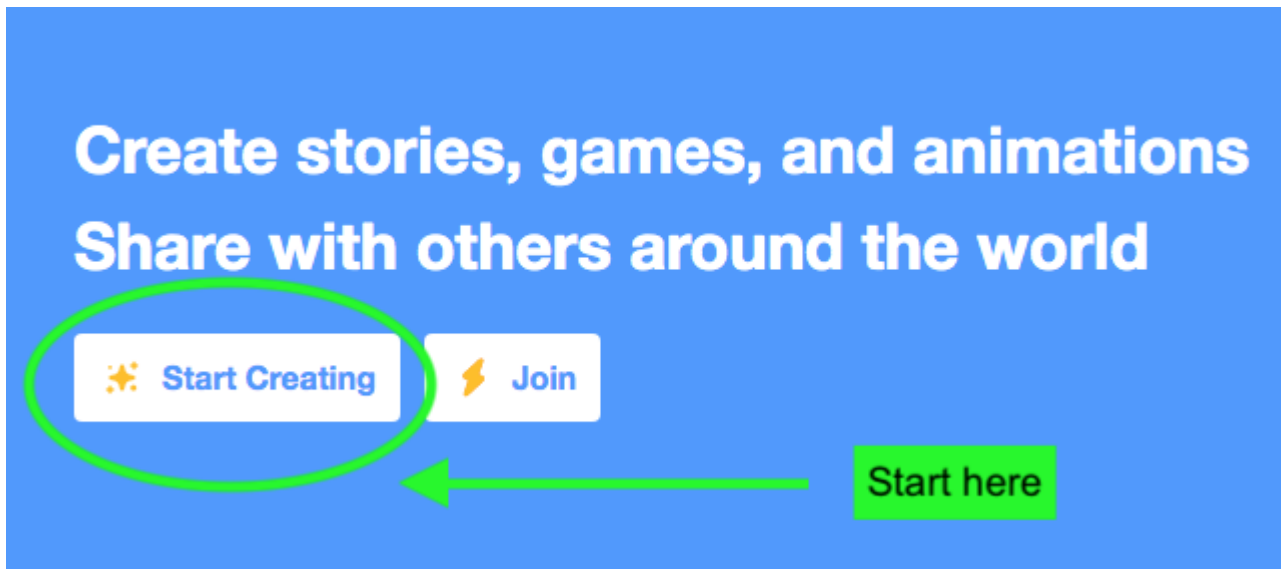


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Let's Practice!

scratch.mit.edu



1. Press start creating
2. On the side bar, click Events.
3. Choose an event, when Space clicked works well. Drag to the workspace.



Building A Timeline

- In the side bar, select sound. Then select the sound sound tab above.
- Click the speaker button at the bottom of the page, press record and accept the permissions. Record an event from your personal timeline. Name the recording.
- Go back to your workspace. Drag the pink sound block- Play sound recording 1 to link under the yellow event block. Press the space bar. What happens?
- Add two more blocks but change the event from space key to something else from the drop down menu.





Expanding the idea.

- Connect a Makey Makey to make the coding interactive.
- Use something conductive to connect the makey makey and make fun “buttons”.
- Great ideas to make things conductive are playdoh, coins, brads, graphite pencils, paperclips, aluminum foil.
- Need ideas?
- Twitter
- Pinterest
- <http://www.makerspaceforeducation.com/maker-challenges.html>





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THANK YOU!