Scratch Resources

Scratch Resources for Educators
Collected by Karen Vitek

ScratchEd: Scratch for Educators

http://scratched.media.mit.edu

- "A wide variety of educators have been supporting Scratch creators, in both formal and informal learning environments: a teacher who wants to share stories about Scratch and cross-curricular integration; a researcher who wants feedback on materials developed for exploring Scratch as participatory literacy; a parent who wants advice on how to introduce Scratch at a local all-girls high school; a museum program director who wants to connect with other museums who have introduced Scratch. In response to this growing community of educators working with Scratch, we developed ScratchEd. Launched in July 2009, ScratchEd is an online community where Scratch educators share stories, exchange resources, ask questions, and find people."

Scratch Wiki

http://wiki.scratch.mit.edu/wiki/Scratch_Wiki_Home

- "The Scratch Wiki is a free, collaboratively-written wiki that provides information about the Scratch programming language and its website, history, and phenomena surrounding it. The wiki is supported by the Scratch Team, but is primarily written by Scratchers. The Scratch Wiki is a popular source of information for scripts and tutorials, and it continues to grow as Scratchers use it as their primary source of information. "

Creative Computing Online Workshop

https://creative-computing.appspot.com/preview

- " Creative Computing is a six-week online workshop for educators who want to learn more about using Scratch and supporting computational thinking in the classroom and other learning environments." This course ran online for 6 weeks in June and July 2013, culminating with a daylong conference at Harvard on July 13, 2013.

Hour of Code - Computer Science Education Week

http://csedweek.org

- "For all ages: No experience needed (No computers either) This December, help ten million students experience computer science - on computers, tablets, smartphones, or even unplugged." EVERY educator who organizes an Hour of Code will receive 10GB of free DropBox storage as a thank you gift. There will be Scratch Tutorials. See video at https://www.youtube.com/watch?v=iqz4Ucz33Xg

Scratch Day

http://day.scratch.mit.edu

- "Scratch Day is a worldwide network of gatherings, where people come together to meet other Scratchers, share projects and experiences, and learn more about Scratch." Scratch Day is usually held on one of the first Saturdays in May.

ScratchJr

http://ase.tufts.edu/DevTech/ScratchJr/ScratchJrHome.asp

- "The ScratchJr project aims to develop and study the next generation of innovative technologies and curricular materials to support integrated STEM learning in early childhood education. We will develop, implement, and evaluate a new version of the Scratch programming language, ScratchJr, designed specifically for early childhood education (K-2)."

Mitch Resnick: Let's teach kids to code | Video on TED.com

http://www.ted.com/talks/mitch_resnick_let_s_teach_kids_to_code.html

- "Coding isn't just for computer whizzes, says Mitch Resnick of MIT Media Lab -- it's for everyone. In a fun, demo-filled talk Resnick outlines the benefits of teaching kids to code, so they can do more than just "read" new technologies -- but also create them. (Filmed at TEDxBeaconStreet.)"

Scratch for Budding Computer Scientists:

http://cs.harvard.edu/malan/scratch/printer.php

- " Most programming languages, on first glance, "look like Greek" to the untrained eye, an amalgam of English and unusual syntax. Consider, for instance, the program below, written in a language called Java. " This article helps to make connections to computer languages for your older students.

Scratch Curriculum

http://colleenmlewis.com/scratch/index.php

- "If you are a teacher and would like to explore the Scratch curriculum, please

click on "Scratch Curriculum for Teachers to Explore". On the next page you can click the button "login as guest" (although you won't be able to see the embedded assessments without creating an account). This curriculum was written by Colleen Lewis in Moodle. Email me with any questions: ColleenL@berkeley.edu "

SCRATCH

http://stwww.weizmann.ac.il/g-cs/scratch/scratch_en.html

- " This book will familiarize you with the Scratch visual programming environment, focusing on using Scratch to learn computer science. The book is structured as a collection of tasks. Each chapter teaches a new concept, but the concept is introduced in order to solve a specific task such as animating dancing images or building a game. Each chapter starts with a simple task, but as soon as we solve one task, we add additional tasks to extend the existing task. The sequence of tasks will require a new construct of Scratch or the use of constructs you know in new ways. "

New Scratch Game booklet - Media MashUp

http://mediamashup.ning.com/profiles/blogs/new-scratch-game-booklet

- "We have a new improved and updated Scratch Game booklet for Scratch 2.0. Kelley Meister, and instructor at the Science Museum just reviewed and revised the new edition! The booklet is a printable pdf (in color or b/w) you can give out to your Scratchers to help support the game design process. We've found this is a great way to design and develop ideas into games, and to take notes throughout the development process."

Learn Scratch

http://learnscratch.org

- "We are a group of academics, students and staff members of the La Salle Schools and Universities, teaching over 900,000 students in 80 countries around the world. The programming language Scratch has been designed to help develop the nine learning skills described in the section Why Learn Scratch. The LearnScratch group supports the development of these learning skills throughout the schools in the global community. Skills in communication, creativity, social responsibility, accountability, adaptability and collaboration for the students of the 21st Century will have a positive effect on the dynamics among the peoples and countries of the world." This site has many video tutorials that were done for Scratch 1.4 but are still valuable.

Coding Should Be a Requirement To Be 'College and Career Ready' -

Leadership 360 - Education Week

http://blogs.edweek.org/edweek/leadership_360/2013/10/coding_should_be_a_requirement_to_be_college_and_career_ready.html

- "Coding is an essential language we should be teaching all of our students. Perhaps, you haven't thought about that lately. Others are. If you think this is a grand premise, look at Estonia. "