



Learn to Code, Code to Learn

This talk is an overview of the Scratch programming language and coding environments for students.

With Scratch, you can program your own interactive stories, games, and animations – and share your creations with others in the online community. Scratch helps young people learn to think creatively, reason systematically, and work collaboratively – essential skills for life in the 21st century.

Scratch is a project of the Lifelong Kindergarten Group at the MIT Media Lab. It is provided free of charge at scratch.mit.edu.

Mitchel Resnick is LEGO Papert Professor of Learning Research and head of the Lifelong Kindergarten group at the MIT Media Lab, where he explores how new technologies can engage people in creative learning experiences. Resnick's research group developed the "programmable brick" technology that inspired the LEGO Mindstorms robotics kit. He co-founded the Computer Clubhouse project, a worldwide network of after-school centers where youth from low-income communities learn to express themselves creatively with new technologies. Resnick's group also developed Scratch, an online community where children program and share interactive stories, games, and animations. He earned a BA in physics at Princeton University (1978), and MS and PhD degrees in computer science at MIT (1988, 1992). He worked as a science-technology journalist from 1978 to 1983, and he has consulted throughout the world on creative uses of computers in education. He is author of *Turtles, Termites, and Traffic Jams* (1994), co-editor of *Constructionism in Practice* (1996), and co-author of *Adventures in Modeling* (2001). In 2011, Resnick was awarded the McGraw Prize in Education.

Date: Thursday, December 12, 2013, 8:00 pm.
(Refreshments and networking at 7:30 pm.)
Place: Small Auditorium, Room CS 105
Computer Science Building, Princeton University
Information: Dennis Mancl (908) 582-7086
On-line info: <http://PrincetonACM.acm.org>

All Princeton ACM / IEEE-CS meetings are open to the public. Students and their parents are welcome. There is no admission charge, and refreshments are served.

A pre-meeting dinner is held at 6:00 p.m. at Ruby Tuesday's Restaurant on Route 1. Please send email to princetonacm@acm.org in advance if you plan to attend the dinner.

