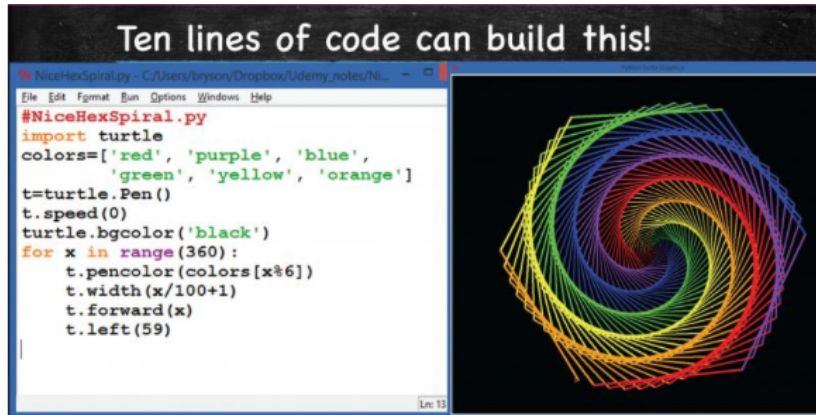


Afternoon Class for Susanville Homeschool Students: **Coding with Python for Kids (ages 9 and up)**

Students will learn basic programming using the powerful **Python** programming language, draw visually interesting and colorful patterns using Python's **Turtle** library, and (if there is sufficient interest!) learn simple programming through tactile means by setting up a working model of a Mars Rover robot powered by Python and **Raspberry Pi**. No programming experience required!



Location & Time: EAA Hangar at the Susanville Airport, first session Tuesday, February 4th, 2019, 1-3 PM.

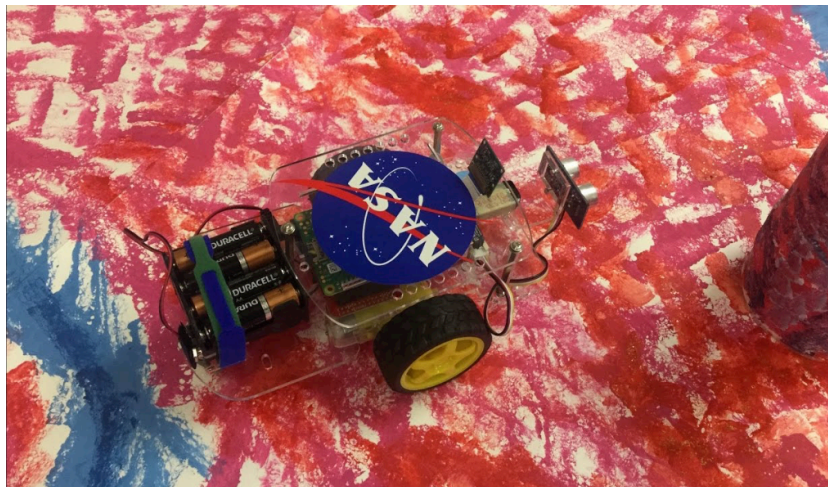
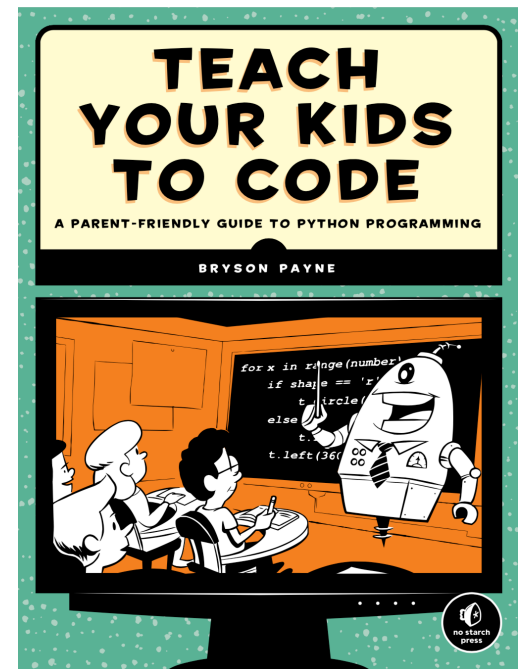
Cost: \$10 per child per session or \$20/family (scholarships available)

Contact: RSVP to Mindy Dockery (530-249-2982) or Mark Miller (530-250-6591 / markmiller8@protonmail.ch)

Required equipment:

Laptop computer* (Mac, Windows, or Linux operating systems all ok), pencil, pen, and paper.

Before you come: Follow the instructions at <https://markmillr.github.io/teaching/pythonforkids/> to install the necessary (free) software on your machine. We will not have the wifi bandwidth capacity to take care of this in class! If you have questions or difficulties feel free to text Mark at the number or email above.



Recommended book:

Teach Your Kids to Code by Bryson Payne

Why Python?

Easy to use, taught at top universities
Used at Google, Netflix, Instagram, Pixar, and everywhere else that's cool in tech

The language of data science, machine learning, artificial intelligence, engineering, and scientific research

*Tablets and smartphones can be used if there is no other choice. This requires the Pythonista 3 app for iOS (\$9.99) or QPython for Android (free?). These apps may not work reliably, but Python code can be written and run using them.