Beat this Pandemic Together
Free Programming Course Series - 3rd Course
Mini Python Projects

Brought to you by **VEX** Robotics Team - VRC 99909A Rising Phoenix

- 2017 VEX Robotics World Championship - Excellence Award (the highest award)
- 2016 and 2019 VEX Robotics World Championship - Design Award
- 2018 VEX Robotics World Championship - Create Award
- 2016, 2018, and 2019 VEX IQ Robotics Virginia State Champion

Join us on the **"*Team 999A Rising Phoenix*"** YouTube Channel every Tuesday at 5:00 PM for free programming classes starting January 5th, 2021! *(Age 8 - 14)*

Class Syllabus

- We will apply what we have learned so far to build real Python projects:
  - Start with a basic tic-tac-toe game with a simple GUI
  - Reintroduce Python class/object and OOP concepts
  - Build a Pong game using Python class/object
  - More real fun Python mini projects
- To brush up on your Python basic knowledge, go to our YouTube channel:
  https://www.youtube.com/watch?v=jP1xCxHZMlg&list=PLjRJ1Y9LeY1A0uAhvlGMnnu1ymorRjciR
- To practice your Python skills with CodingBat, go to our YouTube channel:
  https://www.youtube.com/watch?v=qrOPNgwMuYw&list=PLjRJ1Y9LeY1DxzWqSE-H17sIO8aP56w9j

Programing Course Series

1. Python Basics (12 lessons - completed)
2. Practice Python with CodingBat.com (20 lessons - completed)
3. Mini Python Projects
4. Java Foundations
5. RobotC Intro (Programming language for Vex IQ Robotics Competition)
6. C++ (PROS) intro (Programming language for VRC Robotics Competition)
7. Fusion 360 (CAD design) + Cura (Slicer) + 3D printing