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<http://www.CapitalRoboticsClub.com>

# *Virtual Beginner Programming Courses*

Brought to you by  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 Wednesday and Saturday at 5:30 PM for free programming classes! (Age 8 - 12)

## Programming in Python Class Syllabus

1. How Computer CPU works (from Atom - Circuit - Logic Gate - TTL - Adder to CPU)
2. Python Basics (Variable/types, Operators, Test & Loop, I/O, Function, OOP)
3. CodingBat (coding practices adopted by TJHSST to prepare students for APCS)

## Future Courses

1. RobotC Intro (Programming language for Vex IQ Robotics Competition)
2. C++ (PROS) intro (Programming language for VRC Robotics Competition)
3. Fusion 360 (CAD design) + Cura (Slicer) + 3D printing
4. Java Foundations
5. Java Data Structures (TJHSST APCS material)