CODING WITH PYTHON - Beginner

NEW!

Grade 3 - 5
Fall Session: Mon, Sept. 16 - Nov. 25, 4:00 - 5:00 p.m.
No session: 9/30, 10/14, 11/11

Winter Session: Mon, Jan. 13 - Mar. 16, 4:00 - 5:00 p.m.
No session: 1/20, 2/17
Program site: Damiano Recreation Center
Fee: $250 resident; $275 non-resident

This series of three lessons introduces Python programming from installation to coding. The lesson objectives include: Creating simple code for input, print scripts, basic mathematical operations, using variables and comparison operators with examples using conditional statements (if-then-else) and loops (for, while) using turtle for graphics.

PYTHON PROGRAMMING FOR DATA ANALYSIS

NEW!

Grades 6 - 8
Fall Session: Mon, Sept. 16 - Dec. 9, 5:00 - 6:00 p.m.
No session: 9/30, 10/14, 11/11

Winter Session: Mon, Jan. 13 - Mar. 30, 5:00 - 6:00 p.m.
No session: 1/20, 2/17
Program site: Damiano Recreation Center
Fee: $350 resident; $375 non-resident

In this course, the students will learn the basics of python programming and apply it to Import data sets, Clean and prepare data for analysis and visualize datasets. There will be one data analysis project.

FUN WITH SCRATCH PROGRAMMING

NEW!

Grade 3 - 5
Fall Session: Tue, Sept. 24 - Nov. 26, 4:00 - 5:00 p.m.
No session: 10/1, 11/5

Winter Session: Tue, Jan. 14 - Mar. 10, 4:00 - 5:00 p.m.
No session: 2/18
Program site: Damiano Recreation Center
Fee: $250 resident; $275 non-resident

Give wings to your creativity with Scratch. Learn the basics of Scratch programming and apply it to make animations, games, stories and much more. There will be 2 programming projects based on the syllabus.

AI AND MACHINE LEARNING - Level 1

NEW!

Grades 6 - 10
Fall Session: Tue, Sept. 24 - Dec. 10, 5:00 - 6:00 p.m.
No session: 10/1, 11/5

Winter Session: Tue, Jan. 14 - Mar. 24, 5:00 - 6:00 p.m.
No session: 2/18
Program site: Damiano Recreation Center
Fee: $400 resident; $425 non-resident

The course will cover the basics of Artificial Intelligence (AI) and Machine Learning with examples. There will be one machine learning project of text analysis using R / Python language. NO prior programming experience is required.

GET READY FOR WALL STREET

Grade 3 - 5
Fall Session: Thu, Sept. 26 - Nov. 21, 4:00 - 5:00 p.m.
No session: 10/31

Winter Session: Thu, Jan. 9 - Mar. 5, 4:00 - 5:00 p.m.
No session: 2/20
Program site: Damiano Recreation Center
Fee: $250 resident; $275 non-resident

This class will cover the concept of money and value, operations of banks, currency, savings, budgeting and end with a sneak peek to stock market working. The concepts are taught using art and craft, games, puzzles for a fun-filled learning experience. Also, learn to track the stocks and compare it with one stock market index.

OFF TO WALL STREET

Grade 6 - 8

Fall Session: Thu, Sept. 26 - Dec. 12, 5:00 - 6:00 p.m.
No session: 10/31, 11/28

Winter Session: Thu, Jan. 9 - Mar. 19, 5:00 - 6:00 p.m.
No session: 2/20
Program site: Damiano Recreation Center
Fee: $300 resident; $325 non-resident

This class will cover the concept of money, banking, economy, currency, types of investments and stock market working in detail. The students will be trained to follow financial news and reports. There will be one activity dedicated to portfolio management using virtual market game.

FREE PROGRAM OFFERED BY ((RYETV))

To reserve a space in the class below RSVP to rtv@ryeny.gov or call 967-7242. Class is held in the RyeTV studio at Rye High School.

INTRO TO DSLR

September 16, 12:00 - 2:00 p.m.; bring your own DSLR camera to learn the basics of video shooting and camera operation. Limited number of cameras available for loan. Open to teens and adults.