

Python Coding
Session 3 Fridays, 11:00
Instructor: Rachel Ameche

Objective:

The Python Coding course is designed to introduce students to the fundamentals of computer programming using the Python language. Students will learn how to think logically, break down problems, and write simple programs using real code. The class will use Google Colab as our primary coding platform, allowing students to write, run, and save their work online. Students will build on basic programming concepts by writing programs that use variables, conditional statements, loops, and functions. Throughout the course, students will also practice collaboration, debugging, and clear communication of their ideas.

Concepts Covered: Students will learn fundamental beginning programming such as using variables and data types (numbers, strings, booleans), input and output, conditional statements, loops, basic functions, debugging and reading error messages, writing and modifying small python programs.

Supplies Needed: Students must have a google account from which they can access Google Colab. This is a free online platform like google sheets where students can compose and save books of code. They should also have a small notebook to store notes and print outs.

Things to Remember: Coding takes practice and mistakes are expected and encouraged. Students will grow in stamina and patience as they debug and proofread their code until they achieve the desired results. Students must be able to follow directions carefully when writing and submitting code. Staying on task during work time is essential.