

# Meeting 4 Lesson Plan

**Prerequisites:** Come with an inquisitive mind!

## **Topics Covered:**

- |                                |                        |                                        |
|--------------------------------|------------------------|----------------------------------------|
| - Classes and Objects          | <i>Leader:</i> Brandon | Resources: Student.py, ClassRoster.py, |
| - Constructors                 |                        | OOP.py                                 |
| - Instance and Class variables |                        |                                        |
| - Private vs Public            |                        |                                        |
| - Methods                      |                        |                                        |
| - Instantiation                |                        |                                        |
| - Accessing Information        | <i>Leader:</i> Brandon | Resources: Shape.py, Rectangle.py      |
| - Accessing Variables          |                        |                                        |
| - Getters and Setters          |                        |                                        |
| - @property and .setter        |                        |                                        |
| - Inheritance                  | <i>Leader:</i> Brandon | Resources: Shape.py, Rectangle.py      |
| - Base Class                   |                        |                                        |
| - Super and Sub-classes        |                        |                                        |

**Collaborative Program:** After learning the basics, you will be given projects to try and create your own classes and objects.