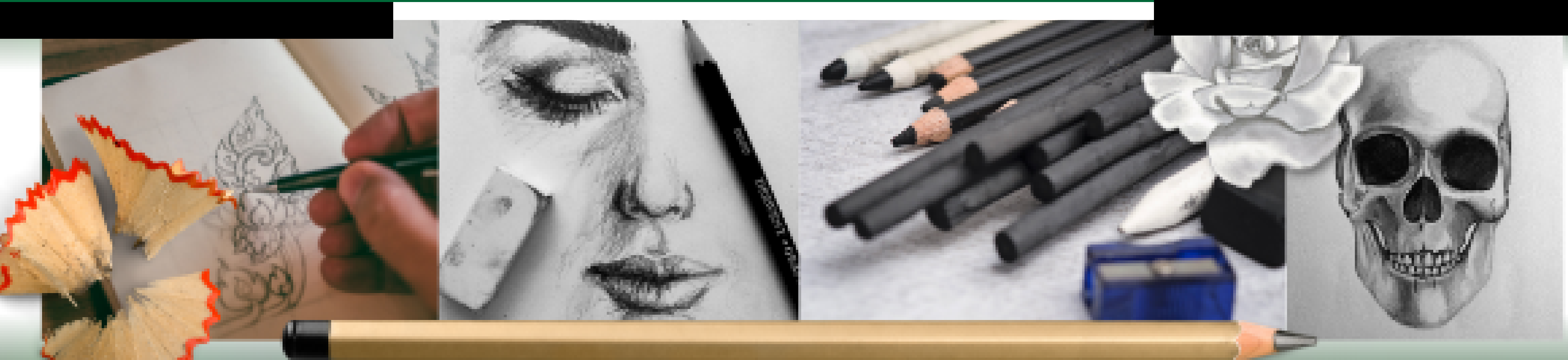


# Freshman Electives Available

As a student moves through their high school career, they have the opportunity to choose different electives. Students should choose electives in which they can express themselves and their future interests.



# World Language



**1-2 Years Required**

## Spanish



Create an altar for the Day of the Dead and learn about other holidays from Spanish-speaking countries, discover famous people and popular hobbies of Spain and Latin America

## French

Learn about French cuisine and cook a traditional French recipe - le croque monsieur. Learn about different cities in France and French stereotypes.



## ASL



Students will develop the beginning skills of ASL

Deaf Culture, History, Art, & Current Events

# Visual and Performing Arts

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## Visual Arts

Art I- Drawing & Design

Art II- Color Theory & Painting

Ceramics & Sculpture

Graphic Design I/II

## Performing Arts

Concert Band I

Concert Choir I

MADRIGALS I

Music Theory I



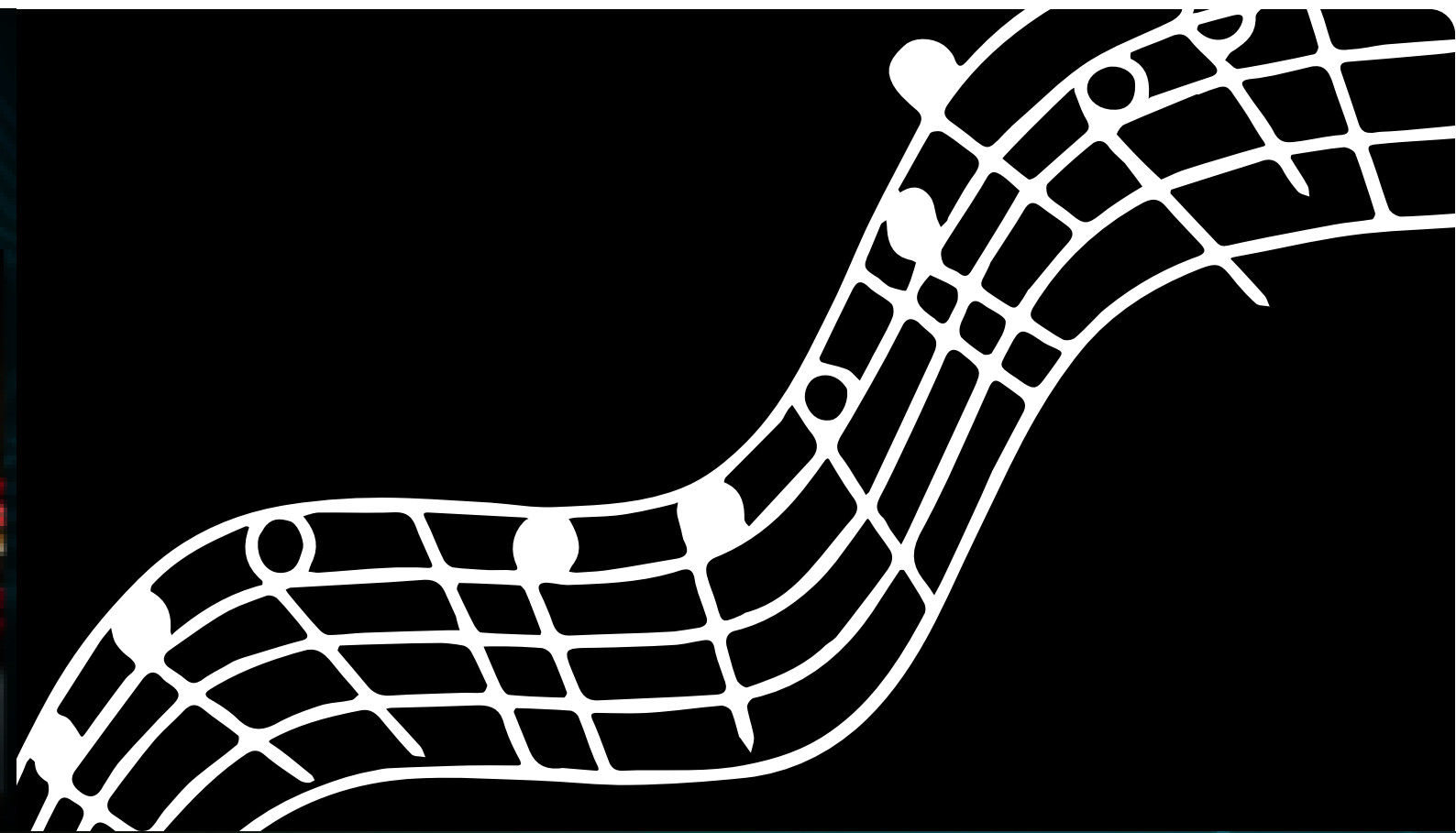


Photoshop  
Illustrator



Clay Handbuilding  
Wheel- Throwing  
Glazing

# Visual Arts



**CONCERT BAND I**

**CONCERT CHOIR I  
MADRIGALS I**

**MUSIC THEORY I**

*Performing Arts*



**READING MUSIC PIANO LAB  
CHORD PROGRESSIONS SONG WRITING**

# Applied Technology & Business

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## Business 101

This Semester Course Will Serve as an Introductory Business

Administration Class that Will Explore:

- Basic business terms and concepts
- Types of business ownerships
- Introduction to our Business Pathway courses including Accounting, Entrepreneurship, Marketing, and Supply Chain Management
- Virtual Simulation on all facets of managing a business



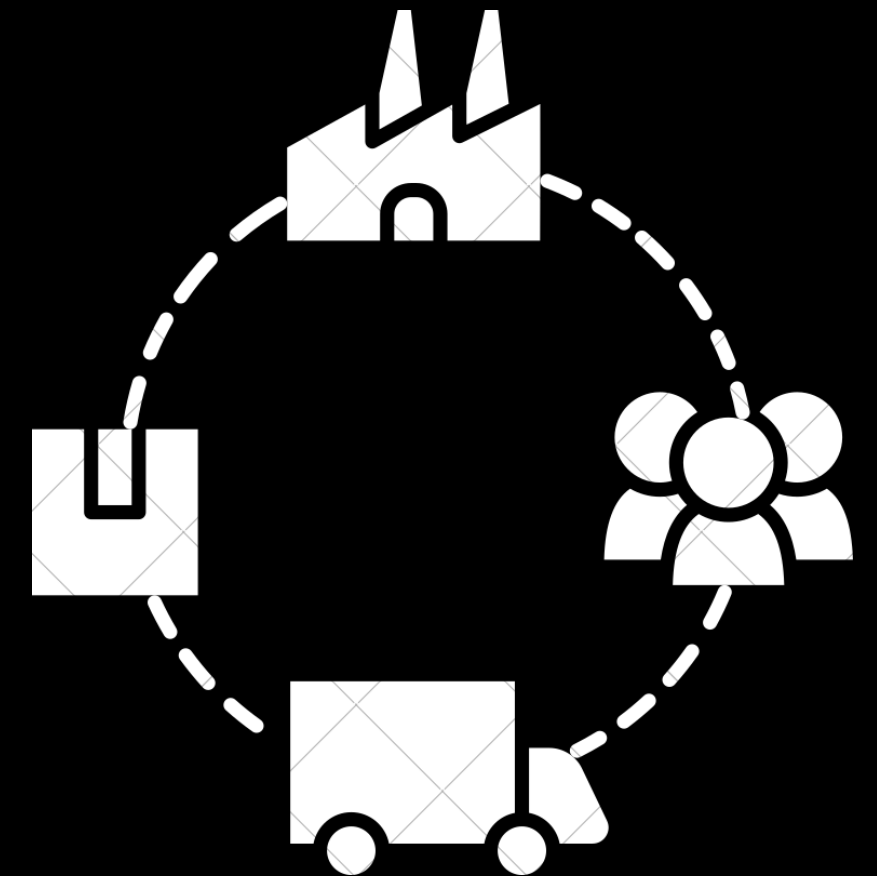
# Applied Technology

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## Supply Chain Management



This introductory course in Supply Chain Management Program of Study will be the first step in learning about how companies deliver good from suppliers to customers. Everything and everyone involved in the delivery of products or materials is encompassed by transportation and logistics. This hands-on project based course will teach you about the many high paying jobs in this area.



# Applied Technology

## Video Technology I

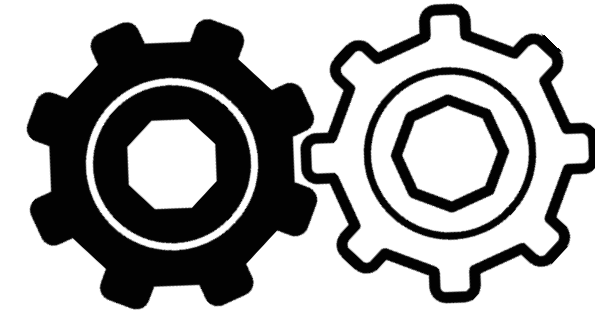


This course is an introduction to television and film technology. We begin with learning the laws around filming then move into identifying camera shots and angles and creating our own. We use industry standard programs like Adobe Premiere Pro & After Effects. By the end of the first year you will know how to film in a studio and in the field.





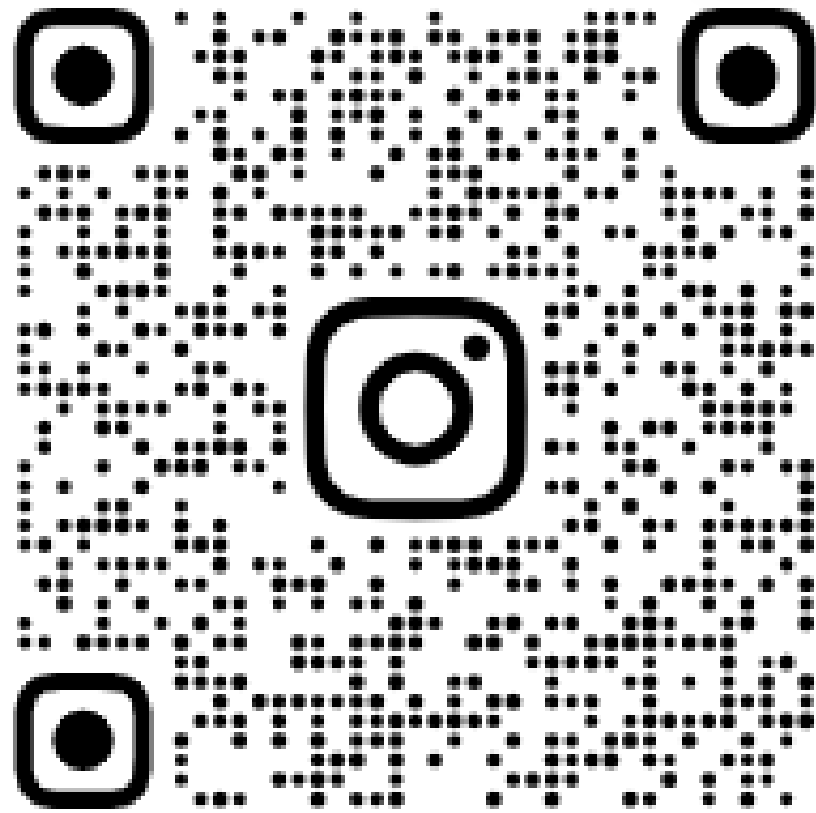
# Applied Technology



## Wood Technology I



Intro to basic woodworking, craftsmanship, exposure to advanced woodworking machinery, tools, etc.



WDHSWOODSHOP



## Architectural Systems

Study of home architectural design via online software and an intro to basic home repair.



# Applied Technology

## Life Skills

Learn what you need to know to survive on your own!

## Intro to Foods

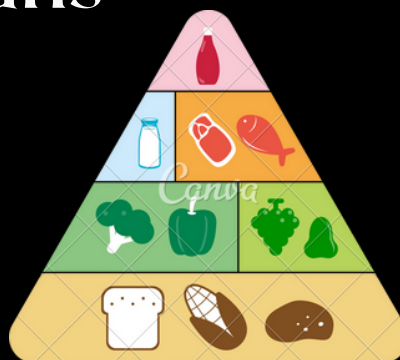
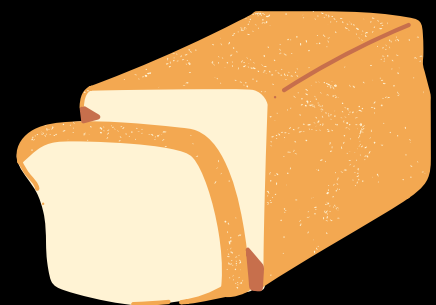
Explore different foods and kitchen prep skills

## Baking & Pastry

Learn how to make bread, rolls, cakes, cookies and candy!

## Nutrition for Fitness

Create personal fitness food plans



# EXPLORING ENGINEERING I COURSE OUTLINE



**SOLDERING**



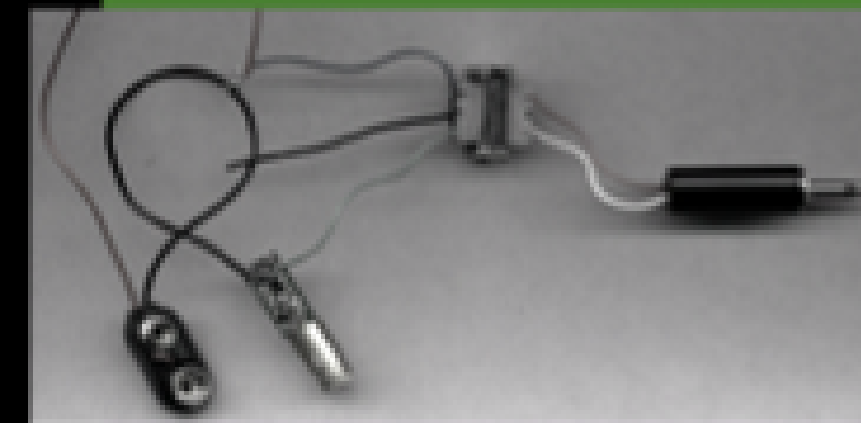
**HYDROPONIC  
GARDENING**



## LocoExtreme (Robot)

Robots Sensors using Python to meet Challenges

**DUAL CREDIT CAMDEN COUNTY COLLEGE I**  
**PREREQUISITE: MIN 81 ALGEBRA I**

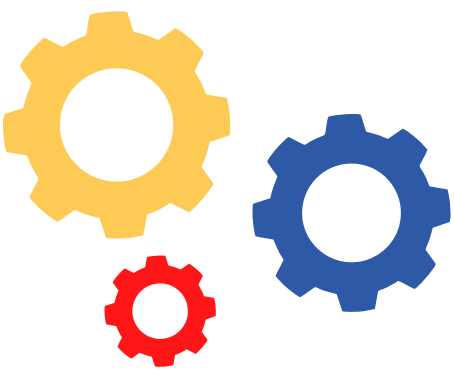


**LASER LIGHT VOICE  
COMMUNICATION**



**ARDUINO HEART  
PULSE MONITOR**

# Exploring Engineering



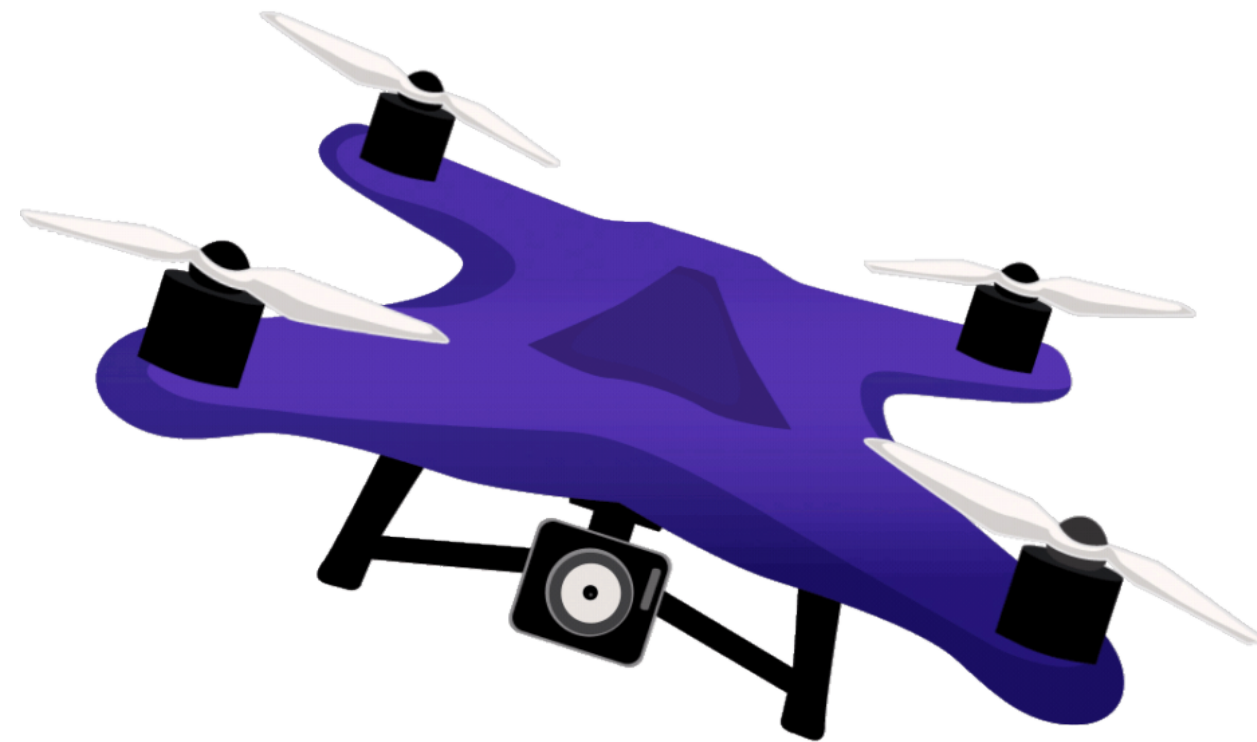
**Cutting Edge 6 Sensor  
Robotics including Two  
Robot Communication**

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**Programmable Control with  
Python**

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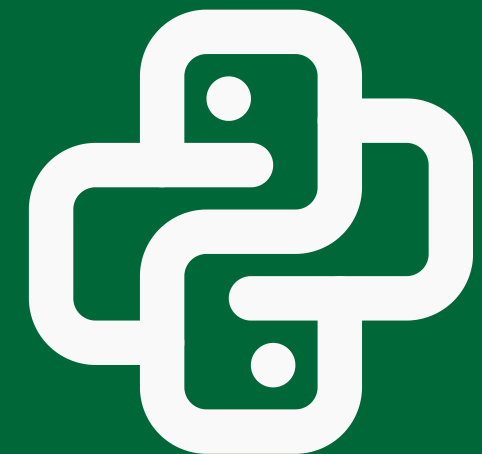
**Drone with 3 Control  
Modes:  
Gesture, Joystick, and  
Python Programmable**



**Arduino Controlled  
Inventions:  
Including pulse monitor,  
electric candle, encoder  
wheel & wearables.**

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**Math, Physics,  
Computer & Data  
Science Inspired**



# Cybersecurity



This course is designed for students who are interested in exploring careers in Cybersecurity. The focus of instruction will include the implementation and monitoring of security on network and computer systems.

Students will investigate strategies to identify and protect against security threats such as hackers, eavesdropping, and network attacks. The basics of cryptography and logical reasoning will be explored.

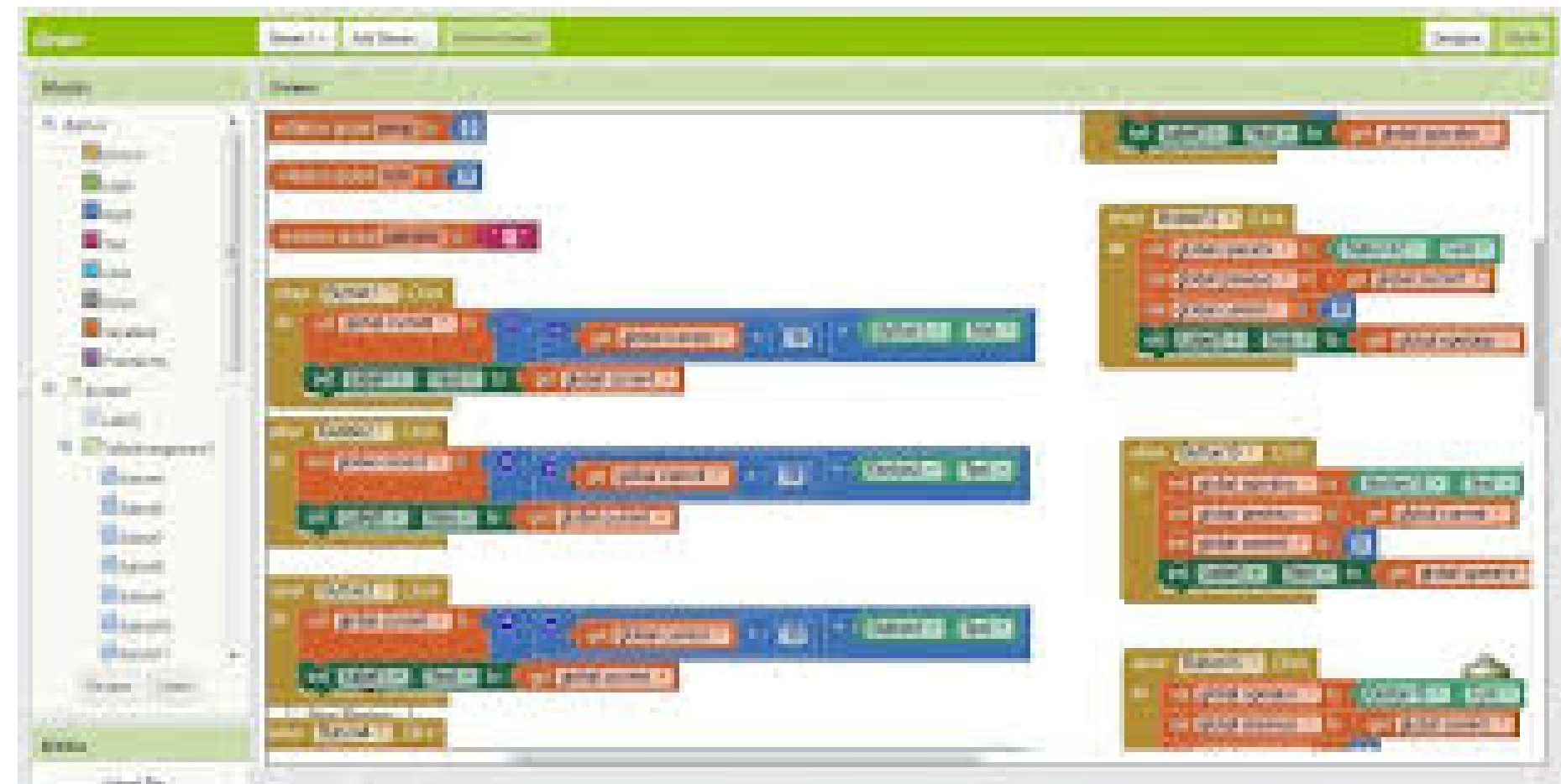
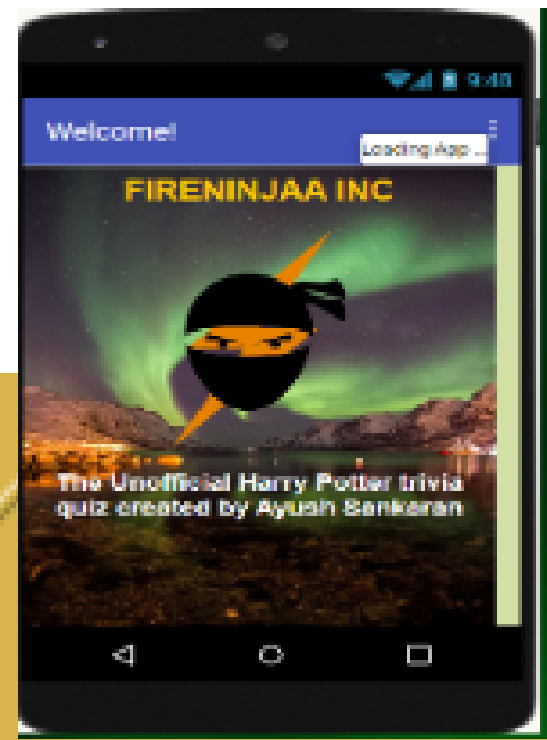


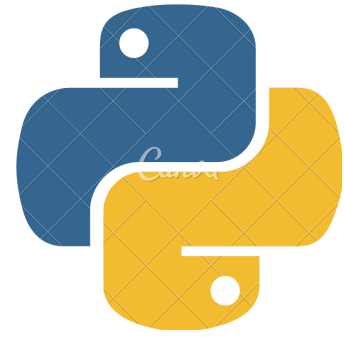
*\*Ethics agreement must be signed by all students and parents during the first 2 weeks of class.*

# Mobile APP Design

MIT App Inventor is an intuitive, visual programming environment that allows everyone to build fully functional apps for smartphones and tablets

It uses a block-based programming language built on Google Blockly and inspired by languages such as Scratch!





## **Introduction to Python Programming**

Basic Programming, starting from the very beginning!

Python is a powerful, user-friendly programming language that emphasized readability.

Python is the language used in our Exploring Engineering program, making this a great idea for anyone enrolling in that course!



## **Video Game Design and Development**

Taken after Introduction to Python Programming.

Using the pygame library students will go through the code of some classic games while learning to create their own.

Students will explore important game design topics, including decision making, concept and interface  
Also exploring game engine!

# AP Computer Science Principles

An introductory computer science course.

Available to any student who has completed algebra 1

An advanced placement class is available to 9th graders.

Learn about how the internet works, the effect of Big Data, and Event Oriented Programming

