

Technology Education- Mr. Sottile

7th Grade assignment: *Introduction to Computer Science*.

You need your school gmail address/Login. If you forgot your Login/Password, then create a personal gmail address/login.

Go to your On-line One Note for instructions on

-Digital Doodle

-Sound Decisions

-Sprite Smash

-Pong

-Create your own App. (After getting experience with 4 programs)

- Use YouTube as a resource. Look up MIT App Inventor programs.

Try to get access to an android tablet, install the MIT APP Companion and test your code. FYI: The school android device (tablet) is Lenovo, Acer is also good.

Describe the **design process** for the *Create Your own APP* assignment. Please hand-write this assignment or use a digital format (Microsoft Word or PowerPoint)

a) Define the Problem: What was the purpose of your app design?

b) Generate Concepts: Come up with at least 2 ideas of the purpose of your app and how it will look.

c) Design the solution: Which of the 2 design ideas did you implement and why? E.g. one idea was easier to program. Maybe I'll start with the easier idea then expand on it later.

d) Build & Test: What happened the 1st few times you programmed your application. What modifications did you make?

e) Evaluate the Solution: How well did your program perform? What design changes did you make as a result of your initial effort.

f) Presentation: You will present this to the class when we return to school.