AP Computer Science Principles (APCSP)
Summer Assignment
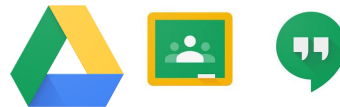
Teacher: Mrs. Rosenbaum
            rosenbauma@maayanot.org

Times: Tuesdays and Thursdays
            3:50-5:15 pm (Block E)

Location: Makerspace, taught remotely through Google Hangouts

Tech Requirements: Computer

            iPad: Apps:

There are a few items that you need to take care of <u>before</u> our first class. Most of them are for learning about the online tools that we will be using for this class and none require any background information in computer science.

Summer Assignments:
  (1) Google Classroom: "Learn Google Classroom in Google Classroom"
  (2) Create code.org account and join our class
  (3) code.org CSP Pre-Course Survey
  (4) Google Site: "APCSP" Summer Assignment: Learn Base-2, -8,-10, -16
  (5) Google Site: "APCSP" Unit 0: Google Hangouts

All items are due the day BEFORE our first class:
Wednesday, September 5, 2018 at 11:59 pm.

Note: Every item that you sign up for must use your Ma'aayanot issued email.

(1) <u>Google Classroom: "Learn Google Classroom in Google Classroom"</u>
Time: ~1 hour

This Google Classroom was created to teach you how to use Google Classroom. You have been sent an invite via your Ma'ayanot Google Account.

There are several activities for you to complete. Most activities can be completed on a computer, but some require the use of a mobile device, such as an iPad. Please download Google Classroom to the mobile device before starting the activities.

Please complete the tasks in the order given. Announcements 1-2, Questions 1-6, Assignments 1-7.
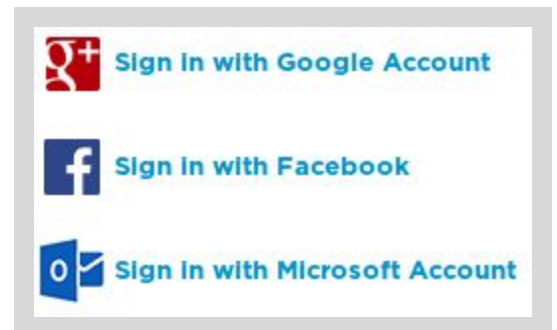
Any questions to me should be posted through the Google Classroom (it shows you how to do that).

(2) <u>Create code.org account and join our class</u>
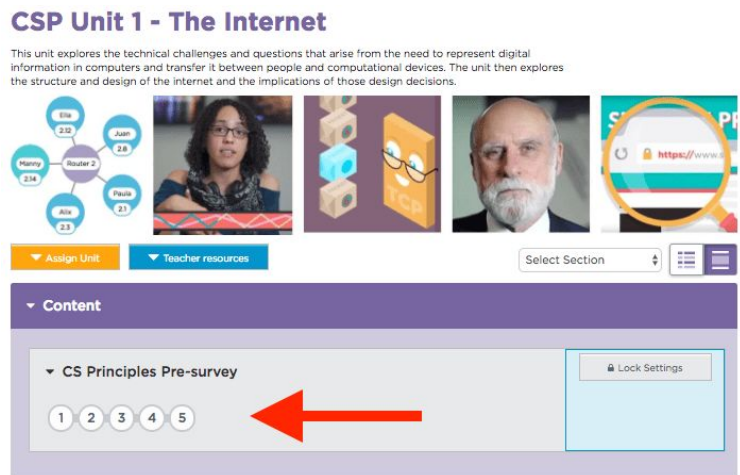Time: ~5 min

1. Create a Code.org account at https://studio.code.org/users/sign_up. Sign up through Google using your Ma'ayanot issued email.
2. Sign in to your new Code.org account.
3. Navigate to **https://code.org/join** and type in our section code: **KHBBQC**.
4. Once you press the "Go" button, you should be added to our section.

(3) <u>code.org CSP Pre-Course Survey</u>
   Time: ~10 min

   Log in to code.org and open our
   classroom. Students can find the
   survey in Code Studio as the first
   item on the Unit 1 overview page.
   (see screenshot)

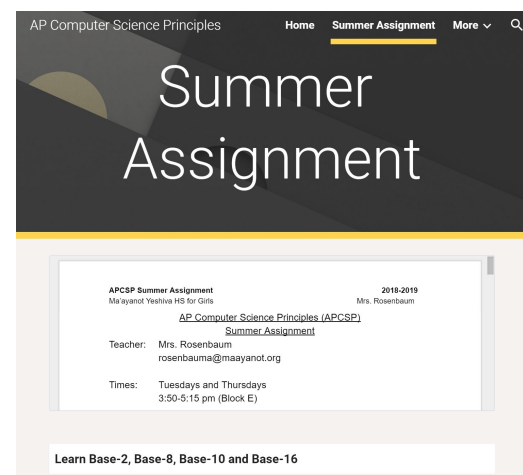(4) <u>Google Site: "APCSP" - Practice Base-2, -8, -10 and -16</u>
   Time: ~1 hour
   <u>https://sites.google.com/maayanot.org/apcsp/</u>

   Go to the "Summer Assignment" Tab at the top of the
   Google Site.

   Use the videos, graphics and websites to review and
   practice Base-2, Base-8, Base-10 and Base-16.

   It is important that you understand how bases &
   exponents function, and you must be fluent in Base-2
   and Base-10.

(5) <u>Google Site: "APCSP" - Unit 0: Google Hangouts</u>
   Time: ~15 min

   Go to the "Unit 0: " Tab at the top of the Google Site.
   Choose the "Google Hangouts" tab.
   Watch the two attached videos to become familiar with Google Hangouts.