



Happy Summer

Learning Java-coding Rooms etc.

Week of May 23rd
Through last week

Intentional Prayer



Pray silently or aloud – let us know who you would like to offer an intention for today

A young woman with long dark hair and glasses, wearing a light blue school shirt, is standing in a library. She is holding an open book and looking down at it. The background shows bookshelves filled with books, slightly out of focus.

Heavenly Father,

As we come to the end of an academic year, we thank you for giving us the opportunity to be a part of each other's lives; may we be mindful that our steps make an impact and our words carry power.

For the nurturing and growth of the Maryvale Community, both in and out of the classroom, we give thanks to all who have contributed.

Bless this group as we come to you today asking for guidance, wisdom, and support for the summer. In thinking about our plans for the future, help us to engage in meaningful discussion, be generous in our outlook, courageous in the face of difficulty and wise in our decisions. We ask for a well-deserved rest and quality time with our families and friends, so we can come back refreshed and ready for school in September

We ask these in your name, **Amen.**

Summer Assignment **LEARN** Java(unit 1), **KNOW** the AP expectations **GET** inspired

Your Summer assignment is (read on for details)

1. Learn basic JAVA (**Unit 1 of our Interactive OnLine CSisAwesome Book—Be sure to sign up in my “coding rooms” or Runestone classroom so your work is saved** see details below)
2. Read materials at AP CSA College Board about the exam—and curriculum
3. Get inspired to Code!!
 - a. Watch the movie **CODE**: debugging the gender gap and find ways to get inspired
 - b. **Honors Society**: Think about how to recruit others and make computer science skills more part of your life/ helping others—read about what you can do as part of a CSHS.



Part 1—LEARN Java

Main Summer Assignment for APCSA



1. **First--**join Coding rooms app <https://app.codingrooms.com/app?joinCode=C-ULJy4EH>

MUST **Complete Unit 1(all exercises)** on Runestone or in coding rooms- MUST sign in to one of these

Coding rooms has an interactive way to have us use the csisawesome materials. Here's the link to join my Coding Rooms. Email me if there is an issue the join Code is **C-ULJy4EH**

2. **Next—** read <https://runestone.academy/ns/books/published/csawesome/index.html> (sign in to each separately)

Visit [AP Computer Science A Java Course](#) for information on the curriculum. (I'll make us a new class/section to test things out)

THEN—Youtube has good videos from the college board and also some engaging students (so far, I'm really impressed with Ajay! Isn't he adorable?? <https://youtu.be/JYLJbVECIxs>).

You will be able to use **AP classroom** once the course is made live in **JULY**

Part 2—KNOW AP college board materials

Get an overview of what is expected this year by reading the main AP college Board AP CSA materials (course exam and description)

Course overview: <https://apcentral.collegeboard.org/pdf/ap-computer-science-a-course-overview.pdf>

Full Description: <https://apcentral.collegeboard.org/courses/ap-computer-science-a/course>

(see course at a glance and walk-through of the description—the full description may be a bit dense (at very bottom) but you can check out some of the example questions and FRQs there.

Part 3–GET Inspired-Honors Society



- **Watch** a documentary/ Read a book about **Women who code**
 - for free on youtube: CODE debugging the gender gap <https://youtu.be/jlb6Qrvgt0Y>
 - Read / Watch Girl Code–<http://www.codegirlmovie.com/> <https://youtu.be/cRb5iel-3Ck>
 - Check out some fun **stickers** on RedBubble or https://dribbble.com/tags/women_code
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- **Think** about how you want to run the **Computer Science Honors Society next year.**
<https://www.csteachers.org/page/computer-science-honor-society>
 - Inspire others with videos–Community Home Room
 - Help at a nursing home or with kids in Baltimore <https://www.baltimorecorps.org/code-in-the-schools>
 - <https://girlswhocode.com/programs> –start an afterschool program for teaching girls to code in fun environment!!

Approved Materials for CSA–and other resources

Introductory Slides for Unit 1(NJEA): AP CSA approved

https://maryvalecom-my.sharepoint.com/:b:/g/personal/boserk_maryvale_com/EUdDFwV4QT5IoShYQJYqaBEBk6wRdcomE4dMCfpX_jhg?e=oU0gDN

<https://docs.google.com/document/d/1JxiR9uMbiDBVRKk1I1xd5GATbIUyRr0PrY7739MotDM/edit?usp=sharing> (includes links to other curricula e.g., codehs, code.org

PLUS–code academy and stackify list of top tutorials for java)