



2019-2020 SYLLABUS

CLUB DESCRIPTION

Girls Who Code is a national organization dedicated to closing the gender gap in technology. The Augusta University Cyber Institute sponsors an after-school club on Mondays from 6:30-8:00 pm for girls in 5th-12th grades. Our club challenges girls to learn how to code in a fun and supportive sisterhood so that they can change the world.

CLUB GOALS

- Foster a sisterhood dedicated to supporting each other in learning
- Challenge each girl to learn more from the level at which she joined (beginner to advanced)
- Familiarize all girls with the Core 4 programming basics, Python, and HTML/CSS
- Create community-impact projects that use code to help others

MEETING SCHEDULE

DATE	MEETING	ASSIGNMENTS DUE
16 SEP	Mtg 1: Program Introduction & GitHub	
23 SEP	Mtg 2: Core 4: Variables	
07 OCT	Mtg 3: Core 4: Loops	
21 OCT	Mtg 4: Core 4: Conditionals	Variables & Loops Code
28 OCT	Mtg 5: Core 4: Functions	
04 NOV	Mtg 6: Python: Using Libraries	Core 4 Code
18 NOV	Mtg 7: Python: Creative Gaming	
02 DEC	Mtg 8: HTML/CSS: Content	Game Code
09 DEC	Mtg 9: HTML/CSS: Style	Basic Website Code
16 DEC	Mtg 10: Individual Code Demos & Party	Individual Code Project
13 JAN	Mtg 11: Project Selection (Demos & Signups)	
27 JAN	Mtg 12: Project Topic Selection & Goal-Setting	Skill Quiz
03 FEB	Mtg 13: Project Idea Sketch	Individual Goals
10 FEB	Mtg 14: Project Scope and Backlog	
24 FEB	Mtg 15: Project Work	Refined Individual Goals
02 MAR	Mtg 16: Project Progress Check-in	
09 MAR	Mtg 17: Project Work	

23 MAR	Mtg 18: Code Review	Alpha Project Code
30 MAR	Mtg 19: Project Work	Progress Reflections
20 APR	Mtg 20: Avoid Feature Creep	
27 APR	Mtg 21: Project Work	Beta Project Code
04 MAY	Mtg 22: Practice Your Pitch	
11 MAY	Mtg 23: Launch Party/Celebrate	Final Project Code

CORE VALUES

We will coach and guide the girls to grow the following core values:

BRAVERY + RESILIENCE + CREATIVITY + PURPOSE + RESPECT

The first four values come from the overall Girls Who Code organization and underpin the ideas of accepting opportunities to step outside of our comfort zones, fail and learn, and succeed over time.

ELECTRONIC ACCOUNTS AND RESOURCES

We require girls to have accounts with which they can login to the following websites:

1. hq.girlswhocode.com
2. github.com
3. piazza.com

This list may grow depending on the specific learning and project activities in which we engage in the club. If your child is under 13 years old, you will need to sign up for most of the accounts so you may maintain awareness and responsibility and share the access information with your child.

We require girls to not use cell phones or other electronic devices during club meetings with the exception of logging into accounts or as identified for specific learning purposes by our facilitators.

CLUB CONDUCT POLICY

We strive to support each other, be respectful of people, spaces, and resources, listen and pay attention, be kind, and make friends. We avoid negative perspectives, drama, hacking others and stealing, ignoring or interrupting others, and unkind and insincere behavior. We will talk to girls who ignore or violate this policy to ensure they understand the unacceptable behavior and can change. If needed, we will contact parents of girls who repeatedly violate this policy to discuss how to best support the club and the girls.

ATTENDANCE POLICY

Our club runs through the time, energy, and resources of volunteers and sponsors. As such, we respectfully request your commitment to ensuring your girl can attend every meeting. We request advance notification if you will be unable to make a meeting. Girls who miss two meetings in a row or more than five of the 23 meetings will have trouble staying integrated with learning the content

and contributing to the projects. We will contact you in these situations to discuss continued participation.

CLUB COMMUNICATION

We will post basic club information to our Piazza Course Information page to include any updates to our meeting schedule and assignments.

Augusta University School of Computer and Cyber Sciences hosts a Facebook group to keep parents up to date on club happenings and news of interest; parents may join this closed group once their girls are accepted to the club: <https://www.facebook.com/groups/291555778004197>

For direct questions, please contact codehoppers@augusta.edu regarding club management and julianna.m.rodriguez@outlook.com regarding club content.