

Computer Science Syllabus

Foundations of Interactive Design

8th Grade Connections

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Course Description

This course will provide an exploratory foundation in design and development of websites, apps, and games. Through integrated instructional activities, students will have opportunities to apply employability skills and to research possible career options in the information technology area. Students will also complete hands-on activities and projects to build a foundation in website development/design, app design, and game design and programming. Students will use the design process to identify problems, think computationally, develop algorithms, develop solutions, and improve on design ideas.

Course Structure

Course content will follow the Georgia Department of Education's standards for middle school [Foundations of Interactive Design](#) using resources including, but not limited to, [Code.org](#), [Microsoft MakeCode Arcade](#), [Google Sites](#) and/or [Wix Education](#). All coursework will be assigned through Google Classroom.

Units of study include:

- ❖ Introduction to the World Wide Web and the Internet
- ❖ The Design Process
- ❖ Web Development/Design
- ❖ App Design
- ❖ Game Design and Programming
- ❖ Career Exploration in Website Design, Web Development, Graphic Art, and Game Design and Animation

Mastery of course content will primarily be assessed through projects. Students may also be assessed through observation/oral presentations, teacher generated quizzes through Google Forms, and/or various assignments/worksheets.

Academic Integrity and Student Conduct

All Impact Academy students are expected to abide by the Henry County School's conduct expectations as outlined in the [Henry County Student Handbook](#) as well as Impact Academy's expectations for academic integrity and student conduct as outlined in the [All A's Framework](#).

Course Communication

Email

Impact Academy communicates regularly through email. **Email is the primary and preferred communication method for class communication.** I will often communicate with you through email, so it is very important to start and end each workday by reading and responding to messages in both Infinite Campus and Microsoft Outlook. ***Students as well as parents are expected to read emails regularly through Infinite Campus to stay updated with school and classroom information.***

Phone Calls and Text Messages

You may call and send text messages to teachers, but I am always able to respond to emails quicker, so ***emails are preferred for this class.*** Please be mindful that teachers are teaching all day and may not be able to answer your questions via text, email or phone until after school. Access to teachers is limited during evenings and on weekends; however, never hesitate to call/text and leave a message.

Grading

Students' overall grades will be determined through a combination of assignments, quizzes, and projects. Grades are weighted according to the following Henry County grading policy:

Practice Work / Assignments / Participation = 40%

Quizzes/Projects = 40%

Final Project / Culminating Task(s) = 20%

Late/Missing Work

- ❖ All assignments, quizzes, and/or projects not completed by the published due date will be considered late. Late work will be marked as “missing” and “late” in the gradebook and will automatically be assigned a temporary grade of zero.
- ❖ ***Once the missing assignment has been completed, it is the student's responsibility to let the teacher know that the missing assignment has been turned in by filling out the missing assignment Google Form found in the Google Classroom!*** I will **NOT** grade missing assignments if the “Missing Assignment Google Form” is not submitted. The “Missing Assignment Google Form” can be found in the Google Classroom under the “Classwork” tab.
- ❖ The teacher will then work within a timely manner to get the missing work graded and updated in the gradebook.

Redoing Work

- ❖ If a student has scored a 73 or lower on a given assignment or quiz, they may talk to the teacher about redoing the assignment or quiz for a higher grade. Most graded work in this class can be redone for a higher grade with the exception of the final project(s)/culminating task(s) which account for 20% of the student's overall grade.
- ❖ **Once the student has received permission from the teacher to redo an assignment, they must fill out the "Redo Assignment Google Form" once the assignment has been completed.** I will **NOT** grade redone assignments if the "Redo Assignment Google Form" is not submitted. The "redo Assignment Form" can be found in the Google Classroom under the "Classwork" tab.

* Accommodations provided by 504s and IEPs will be adhered to throughout the year in all learning environments.

Calendar/Attendance

School Calendar: [Henry County School's 2024-25 Calendar](#)

Weekly Calendar for 8th grade Connections:

	Monday	Tuesday	Wednesday	Thursday	Friday
	Virtual and Blended Students -Google Meet	In Person for Blended Students/ Google Meet for Virtual Students	Asynchronous - Work posted in Google Classroom	Virtual and Blended Students -Google Meet	In Person for Blended Students/ Google Meet for Virtual Students
1:15 - 2:05	6th Period	6th Period	Independent Work	6th Period	6th Period
2:10 - 3:00	7th Period	7th Period	Independent Work	7th Period	7th Period

Attendance Expectations

- ❖ When at home, students are expected to have a quiet work environment for logging into class. Students should not be logged into class while in a car, doctor's office, bathroom, or other area not conducive to learning.
- ❖ During Google Meets, students who consistently do **not** turn on their camera when instructed and do not respond to the teacher during class *will be marked as absent and a behavior referral will be made to the appropriate administrator.*

- ❖ Students may choose to use a personal computer when at home; however, students can be marked absent if the teacher is unable to view the student's computer from GoGuardian. Students may be required to use their Chromebooks when at home if the teacher is unable to monitor them through GoGuardian

Parents are able to monitor attendance in Infinite Campus.

**Please report all excused absences to Belinda Bailey,
belinda.bailey@henry.k12.ga.us.**

Google Meet Expectations

- ❖ Come to class with your camera turned on
- ❖ Be on time!
- ❖ Have a quiet place to work with no distractions
- ❖ Be prepared
- ❖ Be presentable
- ❖ Mute yourself
- ❖ Participate
- ❖ Chat responsibly
- ❖ Communicate clearly and on topic
- ❖ Be respectful

Classroom Expectations

- ❖ Come to class with your Chromebooks charged and in working order
- ❖ No cell phones allowed to be out during class per Impact Academy policy
- ❖ Be respectful
- ❖ Leave bookbags at the front of the classroom
- ❖ No food or drinks when Mrs. Garrison's physical computing devices are being used (robotics equipment, micro:bits, etc.)

Device Use Policies for Students

- ❖ I will only use websites, programs, and apps that my current teachers tell me to use.
- ❖ I will only use the device for school related work. I understand the device belongs to the school district.
- ❖ I will not have food or liquids around my device.
- ❖ I will keep only my device in the case provided.
- ❖ I will always keep my device stored in a safe place.
- ❖ If something doesn't seem right or if I come across something inappropriate, I'll let a trusted adult know.
- ❖ I will always use my device responsibly.
- ❖ I will be responsible with my passwords and I won't share them with anyone except my parents and teachers.

- ❖ I understand my teacher and parents have the right to check my device at any time, for any reason.
- ❖ I understand that I am solely responsible for my device. I won't let my friends or siblings borrow it.
- ❖ I will make sure my device is 100% charged, everyday.