



***Vision: To create an environment where our learners grow as individuals while gaining professional expertise and skills.***

***Mission: To offer inspiration through advanced instruction and authentic experiences.***

**Instructor:** Jenn Clark

Email me at [jennifer.clark@henry.k12.ga.us](mailto:jennifer.clark@henry.k12.ga.us). Please allow 24 hours for a response. Conferences can be scheduled via the counselors between 7:45 and 8:15 am.

### **Computer Science Principles**

How can computing change the world? What is computer science? Engage your creativity. Demonstrate and build your problem-solving ability all while connecting the relevance of computer science to society! Computer Science (CS) Principles is an intellectually rich and engaging course that is focused on building a solid understanding and foundation in computer science. This course emphasizes the content, practices, thinking and skills central to the discipline of computer science. Through both its content and pedagogy, this course aims to appeal to a broad audience. The focus of this course will fall into these computational thinking practices: connecting computing, developing computational artifacts, abstracting, analyzing problems and artifacts, communicating, and collaborating.

### **Course Objectives**

AAS associates will

- Explore how computing can change the world.
- Understand the fundamentals of computer science.
- Engage your creativity in computer science.
- Develop and demonstrate problem-solving skills.
- Connect the relevance of computer science to society.
- Build a solid understanding and foundation in computer science.
- Emphasize the content, practices, thinking, and skills central to computer science.
- Appeal to a broad audience through content and pedagogy.
- Focus on computational thinking practices:
  - Connecting computing
  - Developing computational artifacts
  - Abstracting
  - Analyzing problems and artifacts
  - Communicating
  - Collaborating

### Required Supplies

- Writing Utensil

### Expectations for Academic Success

- Attend class daily.
- Be prepared for class.
- Respect yourself and others.
- Ask questions.
- Contribute new ideas.
- Work hard, and give your best effort.

### Grade Calculation

| Summative Assessments = 40%   | Formative Assessments = 40%   |
|---|---|
| <ul style="list-style-type: none"><li>• Authentic learning projects, exams, presentations, essays, labs</li></ul>   | <ul style="list-style-type: none"><li>• Practice Work: classwork, homework, quizzes, labs, employability skills</li></ul> |
| Culminating Final Exam/Project = 20%  |   |
| All courses will have a culminating exam or project that assesses associate learning of the semester's course content. This exam/project will be 20% of the overall course grade. |   |

### Attendance

Your presence in class matters.

### Make-up Work

Absent associates are required to contact the instructor for make-up work before or after school, not during the middle of class. The associate will have the same number of days as they were absent to complete the make-up work.

### Late Work Policy

*Late work will be accepted up to 5 days after the due date and will not be accepted beyond that not even for partial credit.*

### Career and Technical Student Organizations [CTSOs]

In addition to course integration, we will have a once-per-month activity schedule where associates can participate in their CTSOs.