**Computer Science Principles**

Teacher: Ms. Todd

E-Mail: ttodd@gcsd.k12.sc.us

Room: 217/219

School Phone: 843- 546-8516

**Course Objectives:**

Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. With a unique focus on creative problem solving and real-world applications, Computer Science Principles prepares students for college and career. As such, this is a challenging course that demands you take an attitude of commitment and responsibility. I will do my best to work with students and their parents for success in the classroom.

**Materials Needed:**

* 3-ring binder
* Writing Implement

**Topics of instruction (not necessarily in order):**

* Algorithms and Agile Development
* Mobile App Design
* Algorithms in Python
* Images and Object-Oriented Libraries
* GUIs in Python
* The internet & the web
* Shopping and Social media on the web
* Security and Cryptography
* Visualizing Data
* Discovering Knowledge from Data
* Moore’s Law and Modeling
* Intelligent Agents

**Grading Scale:**

90-100 A

80-89 B

70-79 C

60-69 D

59 and lower F

**School wide Rules and Consequences:**

Rules:

1. Attend Class daily and be punctual
2. Have you ID properly displayed as directed by the teacher
3. Raise your hand and be recognized by the teacher before speaking
4. Remain on-task and engaged in the lesson for the entire period
5. Have learning materials each day as required by the teacher
6. Respect the teacher and other persons at ALL TIMES
7. Respect school property at ALL TIMES (no writing on desks, etc.)
8. Keep hands, feet, and body parts to yourself
9. Profane, vulgar, or inappropriate language or gestures are prohibited
10. Cell phones must be out of sight and turned off at all times
11. Food and drink items are not to be consumed in the classroom without special permission from the school administrator
12. Follow the directions of the teacher

Consequences\*\*\*:

1. Verbal Warning
2. Teacher after-school detention and parent contact/conference
3. Referral to administrator

\*\*\*Major disruptions may lead to immediate removal from the classroom…this is at the teacher’s discretion