



**Prerequisites:**

- This course is open to all middle school students grades 6-8.
- No previous programming or electronics knowledge is required for this class!



**Course Description:**

Students will have the opportunity to learn basic computer concepts and operations. Keyboarding concepts and skills are introduced, as well as proper typing posture. Internet research skills, safety, and accuracy will be taught, as well as ethical use policy. Some of the projects will include document creation and formatting, restaurant menus, vacation brochures, slideshow presentations, graphic design, word puzzles, bedroom design, binary code puzzles, and fun surveys. We will also focus on the awareness and prevention of cyberbullying and how to be a responsible digital citizen.

\*Beginning at the start of the 2024-2025 school year, in the state of TN, all public middle schoolers are now required to take at least one quarter of Computer Science through an educator with the CS Endorsement prior to entering high school. This middle school academic CS course is compatible with the CS G25X40 requirement.



**Commitment:**

- This course meets once a week.
- Throughout the entire school year students will be assigned online lessons through Typing.com. Typing lessons will be conducted at the students' individual pace at home as homework. Homework time will be based on each student's typing accuracy, NOT speed. Each typing assignment will have two grades: one assignment grade (based on your accuracy percentage) and one participation grade for completion.
- Each project assignment will be given sectional due dates when certain parts or checkpoints of a project must be completed. Students who need more time to complete projects must have the ability to work at home.
- It is very important to check Schoology for updates, class summaries, assignments, and homework deadlines. This is the student's responsibility, not the parents'.



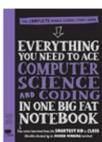
**A typical class will look like...**

Introductions to new lessons will take up the first 15-20 minutes of class, depending on the subject. The majority of the class will be spent on project completion and individual Q&A sessions.



**Books and Supplies\***

- [Everything You Need to Ace Computer Science and Coding in One Big Fat Notebook: The Complete Middle School Study Guide](#)
  - [ISBN - 1523502770](#)



- Laptop and charger required weekly in class
  - (Mac/PC/Chromebook)
- 1" Binder for handouts

Course Resources: (Free)

- Typing.com
- Code.org
- CodeHS.com
- Google Workspace
- Planner 5D
- Applied Digital Skills
- Kira-learning