

Computer Science Essentials Syllabus 2024-2025

Teacher:

Shannon Toth

Course Description and Objectives:

Computer Science Essentials (CSE) introduces students to coding fundamentals. Students will use visual, block-based programming and seamlessly transition to text-based programming with languages such as Python to create apps, program self navigating robots and learn how to make computers work together to put their design into practice. They'll apply computational thinking practices, build their vocabulary, and collaborate just as computing professionals do to create products that address topics and problems important to them.

Standards:

This course and the platforms used align with ISTE, CSTA, AP CS, CCSS, and NGSS standards.

Course Websites and Codes:

Google Classroom

Period 3 TWR (9:38-10:21) Class Code: sfvjuz5

Period 9 MWF (2:01-2:44) Class Code: afunzc2

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Additional Websites and Platforms may be utilized as needed

Necessary Class Supplies:

Chromebook

Notebook/Loose leaf paper

Binder/Folder

Writing utensil

Class Policies and Expectations:

- Academic honesty - Any work submitted by the student shall be his/her own. Work taken from others shall be deemed as unacceptable. Any doubts will initiate the completion of an alternative assignment or a zero on the required effort, depending on the severity of the infraction.
- Student responsibility - Each student is responsible for his/her actions. Each student should monitor their progress utilizing eSchoolbook and Google Classroom. It is the student's responsibility to make up any incomplete assignment(s). To be successful in class, you must complete all assignments. Student's also need to activate and use the school issued email via Gmail as well as their Google Classroom account.

- Attendance - Good attendance is strongly recommended. Arrive to class on time. Tardiness, without a pass, will result in a reduction of participation points for the day.
- Be prepared to work - Bring all appropriate materials to class (Chromebook, Notebook/Binder and pencil). Immediately take your assigned seat and complete the necessary tasks to get prepared for class (log on to Chromebook, etc.). Daily Agenda, Objectives and Assignments will be posted in Classroom.
- Pay attention – All lectures and demonstrations are important. These concepts will be built upon. Taking notes will help in understanding.
- Food or drink - Prohibited.
- Electronic devices - Chromebooks are required for this class. We will be using them daily. Students must follow internet usage policy (see student handbook). Students caught using the chromebook for reasons other than associated with classroom assignment (during assignment) will lose participation points for the day and if the behavior continues follow with a detention or referral to the office. Use of a cell phone is prohibited unless needed for the lesson (ex. use of a cell phone to capture evidence of work or to complete activities). Listening to music with a cell phone is only permitted with the teacher's approval and only during independent work times. If the use of the cell phone becomes a distraction (ex. texting, watching videos, playing games) it will no longer be allowed to be used and may result in being confiscated and turned into the office. Students who change settings on a class computer will not receive help until settings are set back.

Grading:

Assessments – Include, but are not limited to, class participation, group and/or individual classroom activities, assignments, projects, tests and/or quizzes. Point values will vary based upon the assignment.

Availability and Help:

As your teacher, I will be available before school (7:35-7:45) or after school (2:50-3:20) and during my planning period, which is Period 8 (1:15-1:58). I am also available during Study Hall, Period 3 (9:38-10:21) Monday and Friday and Period 9 (2:01-2:44) Tuesday and Thursday. Tutoring is available Monday-Thursday 7:34-7:45 am and 2:50-3:20 pm. Please see me to schedule it. I can be reached by phone at 724-962-8300 x1094 and by email at stoth@sasdpride.org

Please note that the information above may change as needed at the discretion of the teacher.

Please sign below stating that you have read and understand the Syllabus for CSE:

Teacher Signature: _____

Student Signature: _____

Class Period: _____

Parent Signature: _____

Date: _____