AP Computer Science – Ms. Kankelborg
2018-2019

Email: bkankelborg@lwsd.org
Room Number: 222
Office Hours:

	Before School	After School
Monday	7:10-7:30	2:30-3:30
Tuesday	7:10-7:30	2:30-3:30
Wednesday	7:10-7:30	none
Thursday	7:10-7:30	2:30-3:30
Friday	7:10-7:30	2:30-3

Course Objectives & Standards:
Successful completion of this course and its projects will prepare students for the AP Exam and for a second-semester college programming course. Students will be able to:
- design, implement, and debug computer-based solutions to problems in diverse application areas
- use, implement, and analyze common algorithms and data structures
- write clear and efficient code using good Java syntax and programming style
- know when and how to use Java library classes
- read, understand and contribute to large programs consisting of several classes

Credits:
This class earns 1.0 CTE credits (for both semesters) and prepares for the APCS A exam which will be administered on Friday, May 17, 2019.

Expectations
This course is equivalent to a college level computer science course and students are expected to function independently as will be required in college. We will be moving at a fast pace to cover all the necessary material for the APCS Exam in early May and future lessons build upon previous ones. Students are required to keep up with the pace and this typically requires a few hours of homework each week. Class lectures, assignments, and projects are posted daily on the class website (PowerSchool) Students missing class are expected to make up work promptly. Students in this course will be expected to:
- ask for help as necessary significantly before deadlines
- complete projects independently demonstrating their own work
- follow collaboration policies and periodically work in small groups
- turn in assignments before their deadlines
- contribute to making the classroom an effective learning environment
- respect all members of the class at all times and allow everyone to contribute

Required Supplies:
Student must have writing instruments (pens/pencils) and a dedicated notebook for the class every day to keep notes. To work on your projects & classwork outside of school, you will need a flash drive or cloud drive space to transport programs. It is highly recommended to maintain backup copies of your work in case files become corrupted or lost.

Notes on Absences:
- If you miss class, it is your responsibility to make up the missed content. If you know you will be gone, arrange for other students in the class to take notes and collect any assignments for you.
- If you are not present for a test or quiz you will need to schedule a time to take it within one week of the original test day. A '0' will automatically be entered in for the exam until the exam is taken. Unexcused absences get an automatic '0', no exceptions.

Grading Breakdown:
- **Journals, Homework, and Notebook ~ 10%**
- **Engagement/Professionalism ~ 10%**
- **Programming Projects ~ 20%**
- **Quizzes ~ 30%**
- **Tests ~ 30%**

Parent Notes:
- Assignments and assessments not completed by the due date will be marked as missing in Skyward no later than the day after it is due. I highly encourage each parent to ensure they are receiving the missing report emails through the Skyward system for their students.
- All parents will have access to PowerSchool and will be able to see the calendar with all assignment and assessment dates.
- Late work will earn a full letter grade penalty and no late work will be accepted more than one week past the due date.