

WHEELER HIGH SCHOOL COURSE EXPECTATIONS

*Computer Programming
High School
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133/137*

I. Course Overview:

We live in a highly connected technological world. The common international link is computer programming language skills. This course will teach students the overarching principles of computer science. Students will learn to write programming code and apply these skills to solve real world problems.

II. Overall Course Objectives:

- Define computing
- Explore and identify careers in computing
- Describe the story of data including data mining and privacy concerns
- Define, describe, and write a program
- Define and use the problem solving process
- Describe the binary number system
- Use Boolean logic to solve problems
- Identify, create, and use variables to solve problems
- Identify, create, and use variables conditions to solve problems
- Identify, create, and use variables loops to solve problems
- Identify, create, and use variables arrays to solve problems
- Identify, create, and use variables strings to solve problems
- Identify, create, and use basic programming concepts to author code

III. Material Required:

Nearly all of the classroom materials will be provided. Students are however, responsible for bringing to class a pencil.

IV. Class/Behavior Expectations:

Students are required to follow all school rules at all times. In addition, behavior expectations specific to this course must also be followed:

1. All safety rules are followed at all times
2. Students respect each other and the classroom
3. Students do not handle materials that are not theirs
4. Students comply with situation specific rules given by the teacher
5. Students will not destroy or vandalize school property

V. Attendance Policy (BOE Policy #5113) – as stated in handbook:

The learning experiences that take place in the classroom are considered to be meaningful and essential parts of the education process. Absences tend to disrupt the continuity of that process. The time lost from class is irretrievable, particularly in terms of

opportunity for interaction and exchange of ideas between students and between students and teachers. Knowing and abiding by the attendance regulations and procedures are student and parent responsibilities. On January 2, 2008, the State Board of Education approved the following definition of attendance for public school districts:

A student is considered to be "in attendance" if present at his/her assigned school, or an activity sponsored by the school (e.g., field Trip), for at least half of the regular school day. A student who is serving an out-of-school suspension or expulsion should always be considered absent.

Students attending the North Stonington Public Schools must remain on school property during the normal school day, unless the building principal authorizes a student to leave school grounds. Exceptions to this rule may be approved by the building principal for those reasons which would justify an excused absence under this policy.

1. There shall be no penalty for an excused absence. Students must bring a note from their parent or guardian to the main office on the day of return to school. For an illness, the student should provide documentation from a doctor. This note must specify the reason(s) for the absence and must conform to the Board of Education Policy # 5113. Excused absences will be listed on the morning bulletin of the day the note is received, and students will be allowed to make up all work missed. Excused absences as defined by the Board of Education are:
 - a. Illness or injury,
 - b. Death in the immediate family,
 - c. Religious obligation,
 - d. Court appearance,
 - e. School sponsored activity,
 - f. College Visitation (prior approval needed from building principal)
 - g. An emergency, or
 - h. Other exceptional circumstances.
2. For every unexcused absence, the student will not be allowed to make up or receive credit for work missed.
3. Students who are absent from school should make every effort to obtain their assignments during their absence. When a student is absent for extended periods of time--more than three days-- parents may obtain assignments from the teachers through the guidance office. Failure to make up assignments may result in a grade of zero for each missing assignment. A student may expect to have one day for each day of absence in order to make up missed work.
4. If a student is absent from school, he/she may not be on school grounds. Extenuating circumstances will be dealt with on a case by case basis by the administration.
5. IF A STUDENT MISSES MORE THEN 15 MINUTES FROM CLASS, OTHER THEN BECAUSE OF A SCHOOL SACTIONED EVENT, THEY WILL BE CONSIDERED ABSENT FROM CLASS.

Limit on Total Number of Absences: No student will receive course credit for a full year course after having been absent from that course for more than 20 class periods (excused or unexcused) the school year for reasons other than school sponsored activities (i.e. field trips). The total number of absences will be pro-rated for less than full year courses and for courses which meet other than five times per week

Notification Procedures: When a student has accumulated one-half (ten (10) full year or five (5) half year) of the maximum allowed number of total absences for a particular course, excluding school functions, the teacher will notify the student, parent/guardian (by mail), administration, and the guidance counselor on a form designated for that purpose.

VI. Grading Policy:

Class assessment is based on class work and projects along with a midterm and final exam.

Class Work – 40%

Projects – 60%

VII. Academic Integrity Statement

The faculty and administration of Wheeler Middle/High School demand high standards of academic performance and academic honesty. Anything less would jeopardize quality education and allow our students to deny themselves needed skills and knowledge. For this reason students who cheat on their assigned work, reports, research papers, quizzes, tests or examination risk prompt and punitive action by both their teacher and the school. Examples of violations may include,

but are not limited to:

- Giving or receiving aid on tests and graded assignments
- Unauthorized talking during tests
- Copying regular homework/exercises
- Unapproved discussion of examinations/assignments contents
- Cheating on peer reviews of student work
- Misuse of technology

Documentation of all sources is important to avoid plagiarism, which is the stealing of another's ideas, words, writing, or academic work, and implying that it is original. Both quoting and paraphrasing information from an outside source, including any technology without crediting that source is a form of plagiarism. Students who are found cheating or plagiarizing will be subject to the following guidelines:

First offense:

- Academic penalty up to and including zero.
- Parent contacted.
- Administration notified (by teachers completing a discipline form).

Subsequent offenses:

- Academic penalty up to and including zero.
- Parent contacted.
- Disciplinary action by administration which may include office detention or suspension

VIII. Wheeler High School Academic Expectations assessed by this course:

- Analysis