

# Computer Programming 1 and 2 Syllabus

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## Course Information

This course is designed to offer an introduction to computer science. Students will learn the basics of computer programming along with the basics of computer science. The material emphasizes computational thinking and helps develop the ability to solve complex problems. This course covers the basic building blocks of programming along with other central elements of computer science. It gives a foundation in the tools used in computer science and prepares students for further study in computer science, including AP Computer Science Principles and AP Computer Science A courses.

### Prerequisites

No prior computer science knowledge or experience is necessary for this course.

### Teaching Strategies

The course was designed to be used in a blended classroom. The primary language for the course is Python. Students will be introduced to Javascript in Part 2 course which is taught in sequence. It is recommended that students take both parts of Computer Programming in sequence.

The course will consist of video lectures, daily programming exercises, longer coding assignments, regular quizzes, projects, and exams. Students will also participate in group projects. One major element of the content is the Code-Along videos. In these videos, students are asked to follow along with the instructor as they code. By coding in small chunks and pausing and repeating segments as necessary students are able to work through new topics at their own pace and work towards mastery of the material. As they master these techniques, students are asked to combine them in longer exercises that let them build a deeper understanding of computer science and programming. Regular quizzes and tests give them feedback on their progress.

## Outline of Topics:

- **Computer Programming 1**
  - Unit 1: Beginning in Computer Science
  - Unit 2: Number Calculations and Data
  - Unit 3: Making Decisions
  - Unit 4: Repetition and Loops
  - Unit 5: Programming in EarSketch
  - Unit 6: Graphics
  - Unit 7: Functions
  - Unit 8: Lists
  - Unit 9: 2D Lists
  - Unit 10: Programming in EarSketch
  - Unit 11: Internet Exploring Careers in Computer Science
- **Computer Programming 2**
  - Mobile App Design
  - Creating Apps with Design & Prototyping

# Important Information

**Course Schedule:** This is a one trimester course.

**Student Expectations:** Students are expected to be prepared to learn each day by accessing the Python ProjectSTEM curriculum as well as the Code.org Creating Apps with Devices course for Part 2 of the Course where students will build an app as well as prototype an innovation.

## What Will You Need To Be Successful?

- **Technical Skills Needed** – Google Drive, Canvas
- The Daily Agenda, Handouts and Journal

## Standards of Academic Integrity

**Academic Integrity, Cheating and Plagiarism:**

BHS is holding the students to a code of academic integrity.

**Cheating** is defined as, an action done by a student to supply work for another student, or turn in work, use work, or rely on work that is not their own, other than in circumstances clearly understood to involve collaborative or group learning.

Examples, but not limited to:

- Copying or attempting to copy from another student's work
- Allowing another student to copy work
- Bringing information materials, or devices to class or taking information, materials, or devices from a class.

**Plagiarism** is defined as, copying or attempting to copy another's work and claiming it as one's own.

Examples, but not limited to:

- Passages
- Pictures/illustrations
- Graphs/diagrams
- Information directly from books, magazines, newspapers, compositions, essays, internet sources the teacher or staff will investigate any discovery of alleged cheating or plagiarism. Teachers will notify parent/guardian by telephone and/or email of the violation of academic code of conduct.

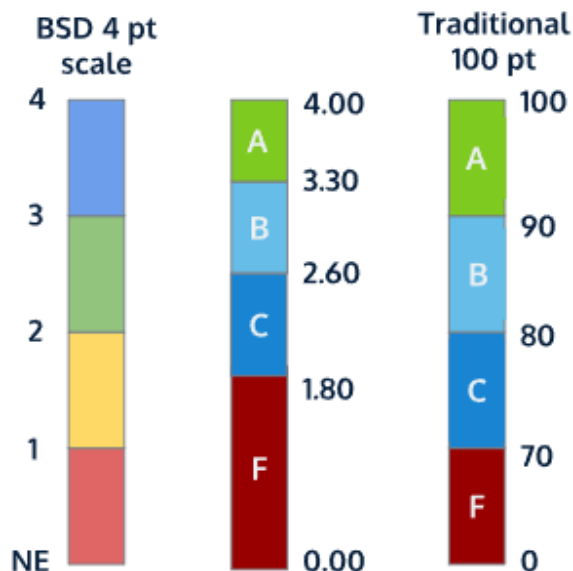
# Grading Policy

Summative Assessments: 100%

## Grading Scale

All Bethel Secondary Schools will be implementing a consistent overall grading scale for the 2025–26 school year based on the 4–point system.

| BETHEL SCHOOLS ACADEMIC RUBRIC                                                              |               |                                                                                                                           |
|---------------------------------------------------------------------------------------------|---------------|---------------------------------------------------------------------------------------------------------------------------|
| LEVEL                                                                                       | LABEL         | DESCRIPTORS                                                                                                               |
| 4                                                                                           | ACCOMPLISHING | Student demonstrates a <u>clear</u> and <u>consistent</u> understanding and achieves the skill/concept from the standard. |
| 3                                                                                           | OBTAINING     | Student demonstrates an <u>understanding</u> and achieves the skill/concept from the standard.                            |
| 2                                                                                           | DEVELOPING    | Student demonstrates and achieves <u>some</u> components of the skill/concept from the standard.                          |
| 1                                                                                           | BEGINNING     | Student <u>begins</u> to demonstrate and achieve components of the skill/concept from the standard.                       |
| EX = Excused [Does not impact grade] & NE = No Evidence [Did not complete = 0 in gradebook] |               |                                                                                                                           |



**Standard Score** is calculated as the MODE of summative scores for a given priority standard. If no MODE is available or less than three assignments are scored, the standard score will be calculated as the mean (average) of summative scores.

**Overall Score** is calculated as the MEAN or average of all calculated Standard Scores rounded to the nearest hundredth. The course grade is determined using the BSD Overall Grade Scale.

| Grade | Minimum | Maximum |
|-------|---------|---------|
| A     | 3.30    | 4.00    |
| B     | 2.60    | 3.29    |
| C     | 1.80    | 2.59    |
| F     | 0       | 1.79    |

### No Credit:

The NE (No Evidence) is the Progress Report grade and if an NE is still the mark @ Final Grade, it will become an F.

### Assessment Retake

Students that do not demonstrate adequate progress on assessments (either a written test, or project) will be provided with retakes opportunities. Students may be required to complete a retake after school, and will need to make arrangements with the instructor. Reassessment is available up until five days before the end of the Trimester.

### Make-Up Work Policy

If a student misses class, it is up to the student to find out what they missed. All daily assignments are posted on The Daily Agenda and on Canvas with instructions and access to worksheets, videos, etc. If a student has questions about missed assignments, they should let the teacher know as soon as possible.

## Cell Phone Policy (includes headphones, earbuds, airpods or any non-school device)

During classroom time, the student must have their cell phone put away where it is not visible by staff. This includes personal headphones, earbuds, airpods, or any device that has not been given by the school. If staff see any of these during classroom time, they are in violation of this policy and are subject to progressive discipline.

Parents may call 1-253-800-7000 or 1-253-800-7092 to relay emergency messages to students. Students may use the school phones at the discretion of teachers and staff.



### BHS Cell Phone Policy *Student Facing Flowchart 2025-26*

**"During classroom time, any personal electronic device not provided or approved by the school must be off and put away (out of sight)."**

|                                                                                     |                                                                                                                                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <b>First Offense</b><br>Phone goes to teacher secure storage. Teacher contacts home via email and documents the incident. Cell Phone returned to the student at the end of class.                                                                                                                           |
|    | <b>Second Offense</b><br>Phone goes to teacher secure storage. Teacher contacts home via phone call and documents the incident. Cell Phone returned to the student at the end of class                                                                                                                      |
|   | <b>Third Offense</b><br>Student takes their phone to the attendance office using the Smartpass Cell Phone Jail. Phone call home immediately by Campus Safety or Administration. Cell Phone returned to the student at the end of the day.                                                                   |
|  | <b>Fourth Offense and Beyond</b><br>Student takes their phone to the attendance office using the Smartpass Cell Phone Jail. Phone call home immediately by Campus Safety or Administration. Cell Phone returned to the parent or guardian at the end of the day. Student subject to progressive discipline. |

**BE THE BISON**  
FIERCE IN CHARACTER  
FOCUSED IN CLASS



**CELL PHONES MUST BE OFF AND AWAY DURING CLASS**  
WE ARE COMMITTED TO KEEPING CLASSROOMS FOCUSED AND FREE OF DISTRACTIONS.

**If a student refuses to comply:**

*You will be given a reminder and then if you still do not comply you will be removed from the classroom and discipline will occur.*

## Technology Use Policy

Students in this course will have access to desktop computers connected to the Bethel School District network. All computer and internet usage is closely monitored to ensure compliance with district policies. Any misuse of school technology, including but not limited to inappropriate websites, unauthorized downloads, or tampering with settings or files, will result in disciplinary action. Consequences may include detention or suspension, depending on the severity of the offense. Responsible and ethical use of technology is expected at all times.

## Computer Lab Safety

Students will receive disciplinary action for the following violations:

- Unplugging or tampering with computer cables, cords, or electrical outlets.
- Changing computer settings, backgrounds, or system configurations.
- Rolling or pushing chairs across the room.
- Consuming food or beverages at computer workstations.