



# Princeton High School

## Business and Technology Department

### 2021 GUIDELINES

#### **FOR STUDENTS INTERESTED IN TAKING INTRO TO JAVA/OOP THAT HAVE NOT TAKEN THE PYTHON CLASS:**

Students interested in demonstrating their ability to meet the Intro to Java/OOP coding prerequisite must complete the [Intro to Java/OOP Coding Prerequisite Assessment](#) Form in its entirety.

**It is important to note that we encourage students who need special education support and non-native English speakers who require language support to apply.**

Twenty-five seats are available. Applicants beyond the 25 seats will be waitlisted in the event of cancellations or the non-completion of portfolios. The portfolio requirements can be found on the second page of this document.

#### **PLEASE NOTE:**

- This process is only available to current PHS students (students that are currently attending PHS and will be in grades 10, 11, or 12 in the coming school year).
- Completing this process does not guarantee a seat in an Intro to Java/OOP class.
- Successfully completing the portfolio process is equivalent to meeting the coding prerequisite of taking the PHS Python course.
- **The completion of this process is independent of any Princeton University course requirements**



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## Intro to Java/OOP Coding Prerequisite Portfolio Process

### Portfolio Criteria

The items listed below are required for the student's portfolio to be considered for review.

#### REQUIRED PORTFOLIO ITEMS

- Every program must include documentation and program output. Programs outlines will be available in Canvas.
- The portfolio must include program(s) the following general topics. More specific details are available in Canvas
  - Variables
  - Conditions (if/else)
  - Loops (for/while)
  - Collections (lists/arrays)
  - Functions/methods
- The Portfolio must include a culminating project similar to a game such as jeopardy or 2 player tic-tac-toe.
- The project should showcase the student's understanding of the coding language. The project does not need to be graphics-based but must include the use of a collection (list/array) and functions/methods.

**Submission deadline: Sunday, July 8, 2021 by 11:59 PM. Selected students will receive an email with directions for portfolio submission.**

**Portfolio review dates: Tuesday, July 9, 2021 - Friday, July 16, 2021.**

**Review Process: Each student will meet with a PHS Computer Science teacher to review his/her portfolio. Students will be notified about the results of the review via email no later than Wednesday, July 30, 2021.**