

## AP Computer Science --- Final Project 2016

### About your final project.

- For the approximately 30 classes after the AP Computer Science Exam, you are expected to be productively working on a final project.
- This project will count as 10% of your Semester 2 grade.
- This project is as much about learning something as it is producing something. Being on task, working, and learning during the remaining class periods will count heavily. It is very difficult to know how complex a project will be until you get into it, so if you pick a very difficult project and are unable to complete it you can still get an excellent grade as long as you are working and learning!



### What are some possible final projects?

- Work on a MOOC(Massively Open Online Course). Here are some suggestions:
  - Coursera: Programming for Everybody(Getting Started with Python)  
<https://www.coursera.org/learn/python>
  - Coursera: An Intro to Interactive Programming in Python(Part 1)  
<https://www.coursera.org/learn/interactive-python-1>
  - Coursera: Introduction to HTML5 <https://www.coursera.org/learn/html>
  - edX: Intro to CS and Programming Using Python  
<https://www.edx.org/course/introduction-computer-science-mitx-6-00-1x8>
  - Codecademy: <https://www.codecademy.com/learn>
- Study a programming language other than Java, like Python, Ruby, PHP, SQL... Then produce some programs to show what you have learned.
- Find out about some advanced topics in Java like: stacks, queues, priority queues, maps, hashcode, heaps, trees, advanced sorting algorithms, etc.
- Make something useful! Talk to a teacher or other staff member at BNDS and create a program that they can use in class or to help with some aspect of their job.
- Come up with an idea on your own.

## How will you be graded?

### Daily work

- Each class you are expected to be on task, working, and learning. You will lose points for off task, non-productive behavior.

The following must be completed on or before the following dates.

### Thursday, May 19<sup>th</sup>

- **10 Points: Project Proposal Report** - Write a paragraph explaining what you intend to accomplish during the remainder of the semester. It should be detailed enough for me to understand what your goal is and how to intend to use the remaining class periods to reach your goal.
- **Submission Instructions:** You may write your report in MS Word format, text format, or any other mainstream document preparation software. You must submit this report using the Turn-In tab on EngradePro.

BEIJING NATIONAL DAY SCHOOL / CLASSES / AP COMPUTER SCIENCE (3) / TURN-INS

### AP Computer Science (3) Assignment Turn-ins

[+ New Assignment](#)

Assignment	Due	Status	Turn-ins	Options
Evidence of Progress Log	Tuesday Jun 14, 2016	Open	0/30	<a href="#">Close</a> · <a href="#">Edit</a>
Project Proposal Report	Thursday May 19, 2016	Open	0/30	<a href="#">Close</a> · <a href="#">Edit</a>

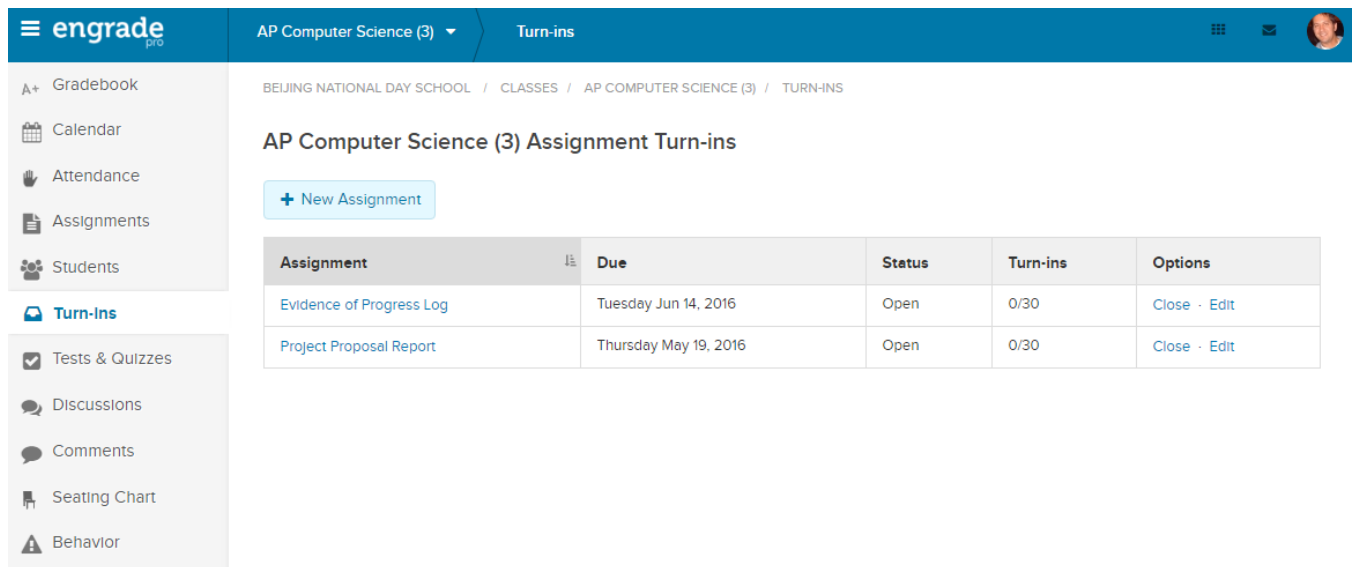
## Tuesday, June 14<sup>th</sup>

- **10 Points: Evidence of Progress Log** - This is an account of what you worked on and accomplished each day.

Example of log entry:

Thursday May 12th: Today I worked on Code Academy Python Unit2: **Strings and Console Output**. I completed lessons 1 to 10 of this unit!

- **Submission Instructions:** You may write your report in MS Word format, text format, or any other mainstream document preparation software. You must submit this report using the Turn-In tab on EngradePro.



Assignment	Due	Status	Turn-ins	Options
Evidence of Progress Log	Tuesday Jun 14, 2016	Open	0/30	<a href="#">Close</a> · <a href="#">Edit</a>
Project Proposal Report	Thursday May 19, 2016	Open	0/30	<a href="#">Close</a> · <a href="#">Edit</a>

- **10 Points: Presentation** - Present/explain to me, or the class, your project and what you have learned.
- **Submission Instructions:** You may prepare a PowerPoint presentation, an in-class software demonstration or a short lecture on your project topic. If you feel uncomfortable presenting to the entire class, then you may present/explain your project directly to me, at my desk.

You are permitted to work in groups of two, but in that case, the scope and difficulty of your project must be more significant than if you were working alone.