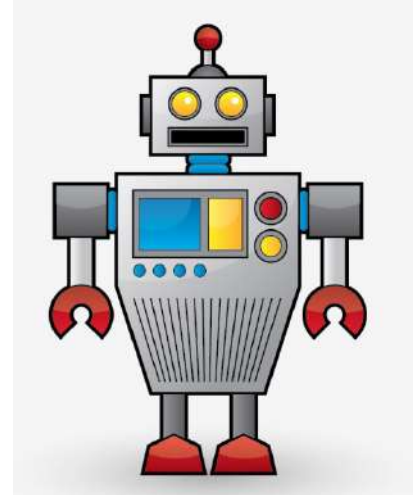


About your final project.

- For the approximately 12 classes after the AP Computer Science Exam you are expected to be productively working on a final project.
- This 100 point project will count as most of your 4th quarter 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?

- Learn about Java Applets and create some projects to show what you have learned.
- Study a programming language other than Java, like C++, C#, Objective-C, PHP, Python, Ruby, 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, Throwing runtime exceptions, Big-O notation, LinkedLists...
- Make something useful! Talk to a teacher or other staff member at NPHS and create a program that they can use in class or to help with some aspect of their job.
- Do some research and create a program to generate fractals.
- Come up with an idea on your own.

Project Timeline and Grading:

The following must be completed on or before the following dates. Each project is graded out of 100 points.

Monday, May 18th

- 10 Points: Project Proposal Report - this report should give an explanation of what you intend to accomplish during the remainder of 4th quarter. 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.

Friday, May 29th

- 10 Points: Evidence of Progress Report - identify what you have completed at this point in time. Explain what you have learned or accomplished and show me work produced to date.

Friday, June 12th

- 10 Points: Presentation - discuss what you and learned and present your project
- 20 Points: Project level of difficulty - how complex is the topic you studied or the work that you produced?
- 25 Points: Appropriate use of class time - during class you are expected to be present and working on your final project. You will lose points for being off task!
- 25 Points: Final report - summarize what you accomplished. Hand in any code you created. You will be graded on the quality and magnitude of your work.

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