

AP Computer Science A – Summer Packet – Mrs. Nastasi

URLs for all materials will be at the end of this document.

1. **Read through the Course Description, especially the Course Outline.**
2. **GridWorld Case Study/Reading**

Download the Student Manual (70 pages) which contains all of the above in one document.

3. **J2SE Download:** Download the **J2SE SDK** from Sun's website.

<http://java.sun.com/j2se/1.4.2/download.html> Or <http://java.sun.com/javase/downloads/index.jsp>

Make sure you download the latest release. Remember to download SE and not EE.
Make sure the files you download include the Java Runtime Environment (JRE).

4. **IDE Download:** Even though we will be compiling and running some programs from the command line interface, you will need an integrated development environment for your Java programs. You can use any of the following: NetBeans, JGrasp, Eclipse, CodeWarrior, or BlueJ

Sun's Java J2SE download site - <http://java.sun.com/j2se/1.4.2/download.html>

Sun's Java J2SE updates - <http://java.sun.com/javase/downloads/index.jsp>

Netbeans IDE - <http://www.netbeans.org/>

JGrasp IDE - http://spider.eng.auburn.edu/user-cgi/grasp/grasp.pl?dl=download_jgrasp.html

Eclipse IDE - <http://www.eclipse.org/>

BlueJ - <http://www.bluej.org/>

APCentral - www.collegeboard.com/student/testing/ap/about.html

Student Manual, Installation Guide, GridWorld Code and Summer Assignment –
<http://www.boardofed/summer/APSummerinfo.html>

AP Computer Science Course Description –
<http://www.rutherfordsschools.org/boardofed/curriculum/index.html>

List of Items Due on the First Day of School

1. This document read and signed by both the student and the parent/guardian.
2. GridWorld Case Study Part 1. This should be read and completed. Make sure you take extensive notes and study this prior to the first day of school.
3. Proof (screenshots) that you have downloaded and installed the Java SDK on your home computer or accessible computer if there is no home computer.
4. Proof (screenshots) that you have an IDE on your home computer or accessible computer.
5. Your first two programs complete with an introduction and appropriate comments.
6. Signed syllabus

//First Program – HelloWorld.java

```
public class HelloWorld
{
    public static void main (String args [])
    {
        System.out.println ("Hello, World. This Program works!");
    }
}
```

Make sure you type this program exactly as shown or it may not work. Be sure to capitalize the letters where I have them. You will need to save the file as HelloWorld.java. You will compile this program from the command line interface (DOS Prompt). Either save the program to the Java executable folder or change your environment variables in your system settings on your computer. You will type in javac HelloWorld at the command prompt. This will compile your program. After your program is compiled with no errors, you will type in java HelloWorld. This will execute your program. After compiling and running this program from the command prompt, you will create another similar program changing the name of the program and changing the output. Compile and run this program from your Java IDE. If you have any problems compiling or running your program, first see the FAQ posted on my website. If you still have questions, email me at mnas@rutherfordschools.org.

Student Name and Signature

Parent Signature