

Lesson Plan – Y9 Java 1



eLearnz Net
Creating the Future

Teacher	RJ	Subject	ICT	Class	DS, GF, CW	Number of Students	Male ~10
Date	May 08	Period	F 1, 3, 6	Location	C1		Female ~10

Characteristics of the Students (Please make reference to EAL, SEN and Gifted and Talented Students)
Students have completed Y9 HTML/CSS programming. Range of results and abilities. All students can produce html pages, most can use CSS and 4/5 can modify simple JavaScript.
Resources including TA's
No TA's. Resources are all found in Moodle.
Learning Objectives (WALT – We are learning to...)
Get familiar with the BlueJ IDE interface – compose, modify and run a simple Applet. The need for accuracy in writing code.
Prior Learning
HTML, CSS or JavaScript experience a distinct plus.
Outcomes (WILF – What I'm looking for?)
Basic understanding of the need for correct syntax and basic familiarity with the interface itself. Some preliminary knowledge of jargon – class, method, data member.

Timing	Starter	Assessment
5-10	What is a computer? Can it think? How fast is it? Explain 2GHz in terms of summing 2 numbers (4 ops). Explain need for syntax.	Verbal
Timing	Main	Assessment
30	5 – all students to start BlueJ and load the simple Applet template – try it. 10 - Students to front – walkthrough Applet – data members, methods, events (actions) GUI. 5 – Testing – what parts can be modified, what parts cannot? 10 – Students experiment with changing text, button label, color?	Students to upload a modified Applet
Timing	Plenary	Assessment
10	Students log off; test understanding – class, data member, method. What is syntax and why is it important? What is a GUI?	Verbal
Homework		
Develop a worksheet/Fireworks app/drag/drop that allows students to test understanding on Class, method, and data member.		