

Name: _____

Java Project

Choose a project appropriate for 13 hours of work inside class (8 classes) and outside class (5 hours). Suggestions are attached. The teacher is available for guidance.

PROPOSAL due _____ **11/25/14** but the sooner the better _____

Write a paragraph explaining what you want to do. The teacher must approve the project.

PROJECT due _____ **12/10/14** review week _____

Demonstrate your finished project to the teacher and classmates.

Grading rubric

	Points
<i>Required elements (see below)</i>	15
Quality of code	5
Quality of algorithm & logic	5
Design, Planning	5
Complexity	5
Difficulty	Extra credit
Originality	5
Correctness	5
Executability: does it run?	5
Code comments, documentation, instructions	5
Positive attitude	5
Independence	part of resourcefulness grade
Helpfulness to others	part of participation grade
Timeliness	5
Grade	
	Out of 65 65 possible

Required elements (choose 5 out of 7)	Points (3 each)
If, else if, else	3
Loop	3
Parameters	3
Methods, Return types (not just void)	3
Scanner for user input	3
String methods	3
Math Library methods	3
	Out of 15 15 possible

Java Project ideas

To find ideas, google “Computer Programming Projects” “AP Computer Programming Projects” “Computer Science Programming Projects” “Java Programming Projects” “Computer Science Programming Projects”

This year’s student ideas

Talking robot, sentence completion, abstract art, trivia, storyline, graphics: print a name, game, hack NSA, number guess, battleship, lottery, draw from console, equation solver, password cracker.

Other ideas

- Games:
 - Tic tac toe
- Chapter 3G Graphics project, with modifications
- Chapter 5 project:
 - Pig Latin
 - Rock Paper Scissors
- Simple calculator GUI
- Stop watch