

Name: _____

Java Project

Choose a project appropriate for 15 hours of work inside class (10 classes) and outside class (5 hours). Suggestions are attached. The teacher is available for guidance.

PROPOSAL due _____

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

PROJECT due _____

Demonstrate your finished project to the teacher and classmates.

Grading rubric

		Points
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 50	50 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”

- Games:
 - Tic tac toe
 - Checkers
 - Chess (no AI)
- Chapter 3G Graphics project, with modifications
- Chapter 5 project:
 - Pig Latin
 - Hangman (without the dictionary)
 - Guess a number
 - Rock Paper Scissors
 - 2-dim random walk with graphics
- Chapter 6 project:
 - Word count in a file
 - Differences between two files
 - Indenting java code
 - Completing a story
- <http://projecteuler.net/>
 - Any project or projects of reasonable difficulty
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- Simple calculator GUI
- Stop watch
- Write a virus
- General diagnostics program that pings google, etc.
- Game of life