

Tinker Academy

AP Computer Science Prep (Java DS & Algo)

Lecture 1 - Pre Coursework

(Understanding AP Computer Science 2015)

Winter 2015

Understanding AP Computer Science A (2015)

Understanding AP Computer Science

AP Computer Science Exam Format (2015)

- 3 hours
- 2 sections

Section 1	1 hour 15 minutes	Multiple Choice	50% of final grade
Section 2	1 hour 45 minutes	4 Free Response Questions	50% of final grade

Understanding AP Computer Science

AP Computer Science Exam Format (2015)

- No computers
- Code has to be written in the booklet
- Quick Reference Page will be provided
 - List of Java Classes and methods

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Understanding AP Computer Science

AP Computer Science Prep

- Understand Java Syntax thoroughly
- Understand the AP Subset of the Java API thoroughly (The Quick Reference Page is handy but not enough)

Understanding AP Computer Science

AP Computer Science Java Subset

- Restricted subset of the Java API
- Apply to both Section 1 and Section 2

Understanding AP Computer Science

AP Computer Science Section 1

- 1 hour 15 minutes
- 40 questions
- < 2 minutes per question
- No penalty for wrong answer

Understanding AP Computer Science

AP Computer Science Section 1

Area	Max # of multiple choice (approx.)
Programming Fundamentals	30
Data Structures	16
Logic	6
Algorithms	18
OOP Concepts	10
Recursion	6
Software Engineering	4

Understanding AP Computer Science

AP Computer Science Section 2

- Free Response Questions graded by High School and College Professors
- Upto 9 points per question

Understanding AP Computer Science

AP Computer Science

Grade	Indicates
5	Extremely Well Qualified ✓
4	Well Qualified
3	Qualified
2	Possible Qualified
1	No Recommendation