



# AP Computer Science A Review

## Syllabus

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# Syllabus

Week	Date	Lectures	Practice Exam	AP FRQ
0		AP Exam Format, Syllabus	MGH Diagnostics Review	
1		Basic Programming      Concept 0-2 B.C1	MC 2009 Review	
2		Java Class and API      Concept 3-4 B.C2	MGH AP Exam 1 MC	2009
3		Data Structure      Concept 5 B.C6	MGH AP Exam 1 FRQ	2010
4		Control structure      Concept 6 B.C5	MGH AP Exam 2 MC	2011
5		Object-Oriented Prog.      Concept 7-9 B.C2, 3	MGH AP Exam 2 FRQ	2012
6		Algorithm 1      Concept 10-11 B.C7, 8	Barron's Exam1 MC	2013
7		Algorithm 2      Concept 12-13	Barron's Exam1 FRQ	2014
8		Design Pattern 1 Data Structure      B.C9	Barron's Exam2 MC	2015
9		Design Pattern 2 OOP	Barron's Exam2 FRQ	2016
10		Design Pattern 3 Algorithms	Barron's Exam3	2017
Review Class Format (Time may vary.)				
Theory/Design Pattern Review (McGrawHills) – 1.0 hr				
Full Exam Review (McGrawHills(Primary), Barron's(Secondary)) 1.5 hr				
Past FRQ Review (College Board) – 0.5 hr				

# Lectures

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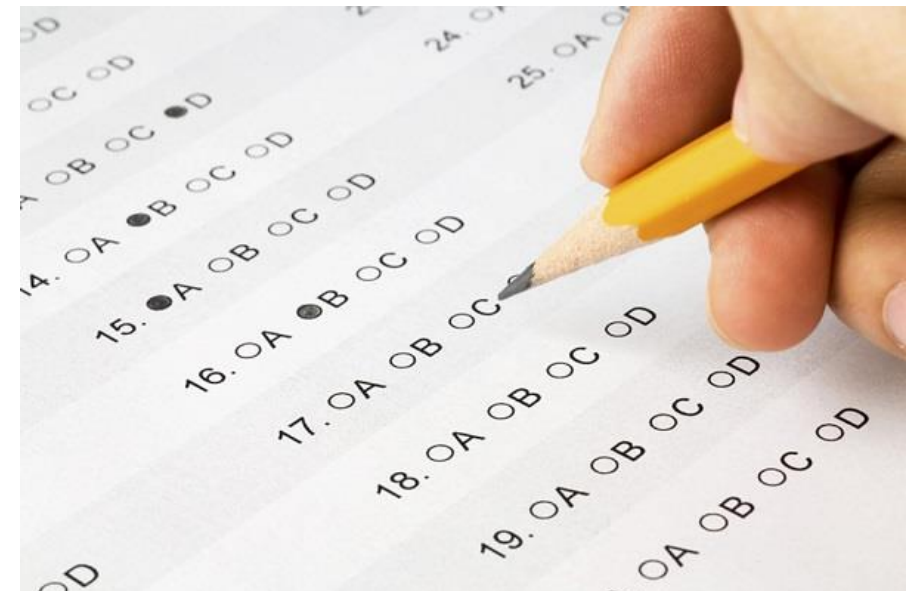
- Review key concepts and FRQ design patterns
- Java examples



# McGraw Hills/Barrons Problem Solving Skill Training



- Using the McGraw Hills Practice book and Barron's practice book examples as example for problem solving skill training material.
- In-lecture problem solving demonstration.





# Finish Practice Before Review

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- Please finish all problems before meeting
- Send your hand-written FRQ to me (scanned image), if you want it graded.



Java™

AP Preparation  
Computer Science



**KEEP  
CALM**

**AND**

**GET A 5 ON  
THE AP EXAM**