

# AP Computer Science A Exam Review

10 Weeks Review Course

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## **Objective:**

Preparation of AP Computer Science A exam for Exam 2018 (May 15, 12:00pm)

## **Audience:**

High school student 9-12 grade who are going to take AP CSA Exam 2018.

## **Textbook:**

(Primary): McGraw Hills, 5 Steps to a 5: AP Computer Science A 2018 2nd Edition,

ISBN: 978-1260010336

(Secondary): Barron's AP Computer Science A, 8th Edition, ISBN: 978-1438009193

Video Course: [Java Programming Essentials: AP Computer Science A](#)

[Java Object-Oriented Programming: AP Computer Science B](#)

(Click the link for \$10/Each coupon for IvyMax Student only)

We will use McGraw Hills book as primary review book because it is newer (only two years old) and it is more APCS A focused. Besides, most high school use Barron's book as review material, we try not to repeat the effort. However, any question about Barron's book will also be answered.

The video courses give you a comprehensive course on AP Computer Science. You may use it to pick up topics that your teacher did not cover in their course.

## **Time:**

Each Saturday 1 – 4 pm (02/24 – 05/05)

## **Location:**

TBD (online or IvyMax Cupertino Center)

Week	Date	Lectures	Practice Exam	AP FRQ
0	02/17	AP Exam Format, Syllabus	MGH Diagnostics Review	
1	02/24	Basic Programming Concept 0-2 B.C1	MC 2009 Review	
2	03/03	Java Class and API Concept 3-4 B.C2	MGH AP Exam 1 MC	2009
3	03/10	Data Structure Concept 5 B.C6	MGH AP Exam 1 FRQ	2010
4	03/17	Control structure Concept 6 B.C5	MGH AP Exam 2 MC	2011
5	TBD	Object-Oriented Prog. Concept 7-9 B.C2, 3	MGH AP Exam 2 FRQ	2012
6	03/31	Algorithm I Concept 10-11 B.C7, 8	Barron's Exam1 MC	2013
7	TBD	Algorithm 2 Concept 12-13	Barron's Exam1 FRQ	2014
8	04/14	Design Pattern 1 Data Structure B.C9	Barron's Exam2 MC	2015
9	04/21	Design Pattern 2 OOP	Barron's Exam2 FRQ	2016
10	04/28	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				