# Weekly Planner:  AP CSP week of  3.16.20

**CollegeBoard AP**

**AP CSP**

**BIG IDEA for the week:**

3- ALGORITHMS AND PROGRAMMING

Flip Code: **cccaapcsp**

At this time, I have unlocked most of Unit 5 for you and you may work ahead of schedule if you like.

| Day | |
|---|---|
| **Mon 3.16** | U5L8  -I will be providing direct instruction with powerpoints and EvansCode via schoology as I complete them.  I will also be in schoology and in code.org providing hints as needed for at least two hours each day. |
| **Tues 3.17** | U5L9 |
| **Wed 3.18** | U5L10 |
| **Thurs 3.19** | Review of Lessons 1-10<br><br>AP exam practice questions (answers given at very end)<br><br>Our weekly ZOOM office hours will be 6-8 pm as always. |

| Fri 3.20 | **Unit 5 assessment #2** |
|---|---|
|  |  |

Scoring Guidelines and Notes for the 2019 Exam Administration

| Explore – Sample Responses | Create – Sample Responses | Scoring Guidelines | Commentary |
|---|---|---|---|
| Explore A: Artifact<br>Explore A: Written response<br>Explore B: Artifact<br>Explore B: Written response<br>Explore C: Artifact<br>Explore C: Written response<br>Explore D: Artifact<br>Explore D: Written response<br>Explore E: Artifact<br>Explore E: Written response<br>Explore F: Artifact<br>Explore F: Written response<br>Explore G: Artifact<br>Explore G: Written response<br>Explore H: Artifact | Create A: Video<br>Create A: Written response<br>Create B: Video<br>Create B: Written response<br>Create C: Video<br>Create C: Written response<br>Create D: Video<br>Create D: Written response<br>Create E: Video<br>Create E: Written response<br>Create F: Video<br>Create F: Written response<br>Create G: Video<br>Create G: Written response<br>Create H: Video<br>Create H: Written response<br>Create I: Video<br>Create I: Written response | Scoring Guidelines Chief Reader Report | Explore: Commentary<br>Create: Commentary<br>Scoring Distribution |

| Explore – Sample Responses | Create – Sample Responses | Scoring Guidelines | Commentary |
|---|---|---|---|
| [Explore H: Written response](#)<br>[Explore I: Artifact](#)<br>[Explore I: Written response](#)<br>[Explore J: Artifact](#)<br>[Explore J: Written response](#) | [Create J: Video](#)<br>[Create J: Written response](#) | | |

## Syntax

```
1  for (initialization; condition; increment) {
2      // block of statements
3  }
```

Here is a typical construct for loop used to count from 0 to 3 to execute the block of code 4 times:

```
for(var i = 0; i < 4; i++)
```

**initialization** `var i = 0;` is executed once, before anything else. Create an identifier named *i* and initialize it to 0.

**condition** `i < 4;` is checked before each iteration, to see if the block of statements should execute or not. If *i* is less than 4.

**increment** `i++` is executed after every iteration, after the block of statements is executed. Increase (increment) *i* by 1.