



AP CSP PACING GUIDE: WEEKLY

See notes for additional pacing suggestions at the bottom of this document.

Date	Week	Lesson
01/06/23	1	<ul style="list-style-type: none">• Mini Create: Submission• Peer Review• 4.1 Introduction to Python ^c• 4.2 Python Basics• 4.3 Selection Structures ^a
01/13/23	2	<ul style="list-style-type: none">• 4.4 Iteration Structures• 4.5 Data Abstraction• 4.6 Procedural Abstraction ^a• Unit 4: Quiz 1
01/20/23	3	<ul style="list-style-type: none">• 4.7 RGB Color• 4.8 Image Manipulation• 4.9 Encoding Schemes

01/27/23	4	<ul style="list-style-type: none"> • 4.10 Digital Manipulation • Big Picture: Ethics of Digital Manipulation • Big Picture: Intellectual Property • 4.11 Audio Manipulation ^d • 4.12 Audio Processing ^d • 4.13 Audio Compression
02/06/23	5	<ul style="list-style-type: none"> • Unit 4: Quiz 2 • Image Filter Project - Overview ^e • Image Filter: Milestone 1^e • Image Filter: Milestone 2^e • Image Filter: Milestone 3^e • <i>Due: Image Filter: Final Project Submission</i> ^e • Unit 4 Exam
02/13/23	6	<ul style="list-style-type: none"> • Create Performance Task *
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02/20/23	7	<ul style="list-style-type: none"> ● Create Performance Task *
02/27/23	8	<ul style="list-style-type: none"> ● Create Performance Task * ● 5.1 Introduction to Big Data ● 5.2 Usability and Usefulness of Data^g ● 5.3 Collection^a
03/06/23	9	<ul style="list-style-type: none"> ● 5.4 Extraction^a ● 5.5 Data Storage and Persistence^a ● Unit 5: Quiz 1 ● Big Picture: Wisdom of the Crowd
03/13/23	10	<ul style="list-style-type: none"> ● 5.6 Statistical Analysis^a ● Big Picture: Data Breaches^g ● 5.7 Data Mining ● 5.8 Models and Simulations^g

03/20/23	11	<ul style="list-style-type: none"> • Unit 5: Quiz 2 • TEDxKinda Project - Overview^e • TEDxKinda: Topics, Big Data Sets, Tools^e • TEDxKinda: Milestone 1^e • TEDxKinda: Milestone 2^e • TEDxKinda: Clustering^e • TEDxKinda: Anomaly Detection^e • TEDxKinda: Regression^e
03/27/23	12	<ul style="list-style-type: none"> • TEDxKinda: Classification^e • TEDxKinda: Automated Summarization^e • TEDxKinda: Milestone 3^e • TEDxKinda: Milestone 4^e • TEDxKinda: Milestone 5^e • <i>Due: TEDxKinda Final Project Submission^f</i>
04/03/23	13	<ul style="list-style-type: none"> • Unit 5 Exam • Big Picture: Defining a Computing Innovation • 6.1 Global Impact^g • 6.2 Impact of Internet Access^g • 6.3 Cloud Computing • Big Picture: The Digital Divide • 6.4 Internet in Action
04/10/23	14	<ul style="list-style-type: none"> • 6.4 Internet in Action • 6.5 Communication Protocols • Unit 6: Quiz 1 • 6.6 Internet Protocols • 6.7 Encryption^a

04/17/23	15	<ul style="list-style-type: none"> • 6.7 Encryption^a • Big Picture: Net Neutrality • 6.8 Cybersecurity • 6.9 World Wide Web^g • 6.10 Distributed Computing
04/17/23	15	<ul style="list-style-type: none"> • 6.11 Internet of Things • 6.12 Ethics of Autonomous Technology • Unit 6: Quiz 2 • Unit 6 Test
04/24/23	16	<ul style="list-style-type: none"> • AP Exam Prep
	16	<ul style="list-style-type: none"> • AP Exam Prep

05/01/23	17	<ul style="list-style-type: none"> AP Exam Prep
Check date for the AP CSP Multiple Choice Exam		

^aThese lessons will likely take 2 class days.

^bGiven the importance of lessons 3.1-3.3, you may want to take an extra day to ensure students understand the concepts covered.

^cPlease note, the Python language itself is not on the AP exam. The AP exam uses its own text-based pseudocode, which students can prepare for using the Python language. The first half of the unit is imperative for practicing text-based programming skills, modules/libraries, creating and using lists and procedures - all important concepts on the exam and that are part of the Create Task. Most of the second half of the unit as well as the project can be cut if time does not allow for it. However, the lesson you still need to do from the second half of the unit (because there is content tied to the AP standards) is 4.9 Encoding Schemes - talks about compression - and Big Picture: Intellectual Property - talks about Creative Commons (however, you do not need to do a debate).

^dDue to time constraints, this lesson can be eliminated. If this section is eliminated, do not include the audio extension in the Image Filter Project.

^eDue to time constraints, this component can be eliminated or completed after the AP. Students will still be prepared to complete the unit test without this section.

^fIf you have time, you may take a day for students to present their TEDxKinda projects.

^gIf you encounter time constraints, this lesson can be easily assigned as homework.



**Students are required at least 12 hours of class time to complete the Create Performance Task for the AP exam.*