

K-12 CSTA Standards Alignment

K-5 39 30 100%

Grade CSTA Tynker CSTA Courses Coverage

	Grades K-5							
Identifier	Grade Level	Description	Concept	Tynk Core	er Courses Elective			
1A-CS-01	K-2	Select and operate appropriate software to perform a variety of tasks, and recognize that users have different needs and preferences for the technology they use.	Computing Systems	Icon Coding All About Computers I Space Cadet Dragon Spells Programming 1A Programming 1B	Barbie You Can Be Anything			
1A-CS-02	K-2	Use appropriate terminology in identifying and describing the function of common physical components of computing systems (hardware).	Computing Systems	All About Computers I				
1A-CS-03	K-2	Describe basic hardware and software problems using accurate terminology.	Computing Systems	All About Computers I				
1A-NI-04	K-2	Explain what passwords are and why we use them, and use strong passwords to protect devices and information from unauthorized access.	Networks & the Internet	All About Computers I				



1A-DA-05	K-2	Store, copy, search, retrieve, modify, and delete information using a computing device and define the information stored as data.	Data & Analysis	All About Computers I	
1A-DA-06	K-2	Collect and present the same data in various visual formats.	Data & Analysis	All About Computers I	
1A-DA-07	K-2	Identify and describe patterns in data visualizations, such as charts or graphs, to make predictions.	Data & Analysis	All About Computers I	
1A-AP-08	K-2	Model daily processes by creating and following algorithms (sets of step-by-step instructions) to complete tasks.	Algorithms & Programming	All About Computers I Programming 1A Programming 1B	
1A-AP-09	K-2	Model the way programs store and manipulate data by using numbers or other symbols to represent information.	Algorithms & Programming	Icon Coding Space Cadet Dragon Spells Programming 1A Programming 1B	Barbie You Can Be Anything
1A-AP-10	K-2	Develop programs with sequences and simple loops, to express ideas or address a problem.	Algorithms & Programming	Space Cadet Programming 1A Programming 1B	Barbie You Can Be Anything
1A-AP-11	K-2	Decompose (break down) the steps needed to solve a problem into a precise sequence of instructions.	Algorithms & Programming	Space Cadet Dragon Spells Programming 1A Programming 1B	Barbie You Can Be Anything
1A-AP-12	K-2	Develop plans that describe a program's sequence of events, goals, and expected outcomes.	Algorithms & Programming	<u>Programming 1A</u>	
1A-AP-13	K-2	Give attribution when using the ideas and	Algorithms & Programming	All About Computers I	



		creations of others while developing programs.			
1A-AP-14	K-2	Debug (identify and fix) errors in an algorithm or program that includes sequences and simple loops.	Algorithms & Programming	Space Cadet Programming 1A Programming 1B	Barbie You Can Be Anything
1A-AP-15	K-2	Using correct terminology, describe steps taken and choices made during the iterative process of program development.	Algorithms & Programming	Programming 1A Programming 1B	Barbie You Can Be Anything
1A-IC-16	K-2	Compare how people live and work before and after the implementation or adoption of new computing technology.	Impacts of Computing	All About Computers I	
1A-IC-17	K-2	Work respectfully and responsibly with others online.	Impacts of Computing	All About Computers I	
1A-IC-18	K-2	Keep login information private, and log off of devices appropriately.	Impacts of Computing	All About Computers I	
1B-CS-01	3-5	Describe how internal and external parts of computing devices function to form a system.	Computing Systems	All About Computers II	WeDo Coding micro: bit 101
1B-CS-02	3-5	Model how computer hardware and software work together as a system to accomplish tasks.	Computing Systems	All About Computers II	WeDo Coding micro: bit 101
1B-CS-03	3-5	Determine potential solutions to solve simple hardware and software problems using common troubleshooting strategies.	Computing Systems	All About Computers II	WeDo Coding micro: bit 101
1B-NI-04	3-5	Model how information is broken down into smaller pieces, transmitted as packets through multiple devices over networks and the Internet, and reassembled at the destination.	Networks & the Internet	All About Computers II	



1B-NI-05	3-5	Discuss real-world cybersecurity problems and how personal information can be protected.	Networks & the Internet	All About Computers II	
1B-DA-06	3-5	Organize and present collected data visually to highlight relationships and support a claim.	Data & Analysis	All About Computers II	
1B-DA-07	3-5	Use data to highlight or propose cause-and-effect relationships, predict outcomes, or communicate an idea.	Data & Analysis	All About Computers II	
1B-AP-08	3-5	Compare and refine multiple algorithms for the same task and determine which is the most appropriate.	Algorithms & Programming	Dragon Spells Programming 100 Life Science 101 All About Computers II	micro:bit 101
1B-AP-09	3-5	Create programs that use variables to store and modify data.	Algorithms & Programming	Physical Science 101 Math 101 English 101	Augmented Reality WeDo Coding micro:bit 101 Artificial Intelligence 101
1B-AP-10	3-5	Create programs that include sequences, events, loops, and conditionals.	Algorithms & Programming	Dragon Spells Programming 100 Programming 101 Programming 102 Programming 201 Programming 202 Life Science 101 Physical Science 101 Earth Science 101 Math 101 Social Studies 101 English 101	Barbie You Can Be Anything Augmented Reality WeDo Coding micro:bit 101 Artificial Intelligence 101
1B-AP-11	3-5	Decompose (break down) problems into smaller, manageable subproblems to facilitate	Algorithms & Programming	<u>Dragon Spells</u> <u>Programming 100</u>	Barbie You Can Be Anything Augmented Reality



		the program development process.		Programming 101 Programming 102 Programming 201 Programming 202 Life Science 101 Physical Science 101 Earth Science 101 Math 101 Social Studies 101 English 101 All About Computers II	WeDo Coding micro:bit 101 Artificial Intelligence 101
1B-AP-12	3-5	Modify, remix, or incorporate portions of an existing program into one's own work, to develop something new or add more advanced features.	Algorithms & Programming	Dragon Spells Programming 100 Programming 101 Programming 102 Programming 201 Programming 202 Life Science 101 Physical Science 101 Earth Science 101 Math 101 Social Studies 101 English 101 All About Computers II	Barbie You Can Be Anything Augmented Reality WeDo Coding micro:bit 101 Artificial Intelligence 101
1B-AP-13	3-5	Use an iterative process to plan the development of a program by including others' perspectives and considering user preferences.	Algorithms & Programming	Programming 101 Programming 102 Life Science 101 Physical Science 101 Earth Science 101 Math 101 English 101	micro:bit 101 Artificial Intelligence 101



				All About Computers II	
1B-AP-14	3-5	Observe intellectual property rights and give appropriate attribution when creating or remixing programs.	Algorithms & Programming	All About Computers II	<u>Augmented Reality</u>
1B-AP-15	3-5	Test and debug (identify and fix errors) a program or algorithm to ensure it runs as intended.	Algorithms & Programming	Dragon Spells Programming 100 Programming 101 Programming 102 Programming 201 Programming 202 Life Science 101 Physical Science 101 Earth Science 101 Math 101 Social Studies 101 English 101 All About Computers II	Barbie You Can Be Anything Augmented Reality WeDo Coding micro:bit 101 Artificial Intelligence 101
1B-AP-16	3-5	Take on varying roles, with teacher guidance, when collaborating with peers during the design, implementation, and review stages of program development.	Algorithms & Programming	Programming 201 Earth Science 101	
1B-AP-17	3-5	Describe choices made during program development using code comments, presentations, and demonstrations.	Algorithms & Programming	Programming 100 Programming 201 Earth Science 101	
1B-IC-18	3-5	Discuss computing technologies that have changed the world, and express how those technologies influence, and are influenced by, cultural practices.	Impacts of Computing	All About Computers II	
1B-IC-19	3-5	Brainstorm ways to improve the accessibility	Impacts of	All About Computers II	



		and usability of technology products for the diverse needs and wants of users.	Computing	
1B-IC-20	3-5	Seek diverse perspectives for the purpose of improving computational artifacts.	Impacts of Computing	Programming 201 Programming 202 Programming 301 Programming 302 All About Computers II
1B-IC-21	3-5	Use public domain or creative commons media, and refrain from copying or using material created by others without permission.	Impacts of Computing	All About Computers II



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Grade CSTA Tynker CSTA Coverage In Programming Standards

Grades 6-12							
Identifier	Grade Level	Description	Concept	Tynko Core	er Courses Elective		
2-CS-01	6-8	Recommend improvements to the design of computing devices, based on an analysis of how users interact with the devices.	Computing Systems	<u>MicroPython</u>	<u>Drones 101</u>		
2-CS-02	6-8	Design projects that combine hardware and software components to collect and exchange data.	Computing Systems	<u>MicroPython</u>	<u>Drones 101</u>		
2-CS-03	6-8	Systematically identify and fix problems with computing devices and their components.	Computing Systems	<u>MicroPython</u>	<u>Drones 101</u>		
2-NI-04	6-8	Model the role of protocols in transmitting data across networks and the Internet.	Networks & the Internet				
2-NI-05	6-8	Explain how physical and digital security measures protect electronic information.	Networks & the Internet				
2-NI-06	6-8	Apply multiple methods of encryption to model the secure transmission of information.	Networks & the Internet				
2-DA-07	6-8	Represent data using multiple encoding	Data & Analysis				



		schemes.		Web Development 101	
2-DA-08	6-8	Collect data using computational tools and transform the data to make it more useful and reliable.	Data & Analysis	Web Development 101	<u>MicroPython</u>
2-DA-09	6-8	Refine computational models based on the data they have generated.	Data & Analysis		
2-AP-10	6-8	Use flowcharts and/or pseudocode to address complex problems as algorithms.	Algorithms & Programming	Programming 201 Programming 202 Programming 300 Programming 301 Programming 302 Life Science 201 Physical Science 201 Earth Science 201 Math 201 Social Studies 201 English 201 Web Development 101 JavaScript 101 Python 101 Python 201	Augmented Reality Drones 101 MicroPython
2-AP-11	6-8	Create clearly named variables that represent different data types and perform operations on their values.	Algorithms & Programming	Programming 201 Programming 202 Programming 300 Programming 301 Programming 302 Life Science 201 Physical Science 201 Earth Science 201 Math 201	Augmented Reality Drones 101 MicroPython Artificial Intelligence 401



2-AP-12 6-8 Design and iteratively develop programs that combine control structures, including nested loops and compound conditionals. 2-AP-13 6-8 Decompose problems and subproblems into parts to facilitate the design, implementation, and review of programs. 2-AP-14 6-8 Create procedures with parameters to organize Programming 201 2-AP-14 6-8 Create procedures with parameters to organize Programming 201 Social Studies 201 English 201 Programming 202 Programming 302 Artificial Intelligence 401 Artifi						
2-AP-13 6-8 Decompose problems and subproblems into parts to facilitate the design, implementation, and review of programs. Algorithms & Programming 201 Augmented Reality Programming 202 Programming 301 Programming 302 Math 201 Social Studies 201 English 201 Python 101 Programming 202 Augmented Reality Programming 201 Augmented Reality Programming 300 MicroPython Artificial Intelligence 401 Augmented Reality Programming 300 Programming 301 Programming 201 Programming 301 Programming 201 Programming 301 Programming 201 Programming 201 Programming 201 Programming 301 Programming 201 Programming 201 Programming 201 Programming 201 Augmented Reality Programming 201 Augmented Reality					English 201 JavaScript 101 Python 101	
parts to facilitate the design, implementation, and review of programs. Programming Programming 202 Programming 300 Programming 301 Programming 301 Programming 302 Life Science 201 Physical Science 201 Physical Science 201 Math 201 Social Studies 201 English 201 Web Development 101 JavaScript 101 Python 101 Python 101 Python 201 2-AP-14 6-8 Create procedures with parameters to organize Programming 202 Programming 202 Drones 101 MicroPython Artificial Intelligence 401	2-AP-12	6-8	combine control structures, including nested		Programming 202 Programming 301 Programming 302 Math 201 Social Studies 201 English 201 Python 101	
Create procedures with parameters to organize	2-AP-13	6-8	parts to facilitate the design, implementation,	•	Programming 202 Programming 300 Programming 301 Programming 302 Life Science 201 Physical Science 201 Earth Science 201 Math 201 Social Studies 201 English 201 Web Development 101 JavaScript 101 Python 101	Drones 101 MicroPython Artificial Intelligence 101
	2-AP-14	6-8	Create procedures with parameters to organize			



		code and make it easier to reuse.		Programming 300 Programming 301 Programming 302 Life Science 201 Physical Science 201 Earth Science 201 Math 201 Social Studies 201 English 201 Web Development 101 JavaScript 101 Python 101 Python 201	<u>MicroPython</u>
2-AP-15	6-8	Seek and incorporate feedback from team members and users to refine a solution that meets user needs.	Algorithms & Programming	Programming 201 Programming 202 Programming 300 Programming 301 Programming 302 Life Science 201 Physical Science 201 Earth Science 201 Math 201 Social Studies 201 English 201 Web Development 101 JavaScript 101 Python 101 Python 201	Augmented Reality Drones 101 MicroPython
2-AP-16	6-8	Incorporate existing code, media, and libraries into original programs, and give attribution.	Algorithms & Programming	Programming 201 Programming 202	Augmented Reality Drones 101



				Programming 300 Programming 301 Programming 302 Life Science 201 Physical Science 201 Earth Science 201 Math 201 Social Studies 201 English 201 Web Development 101 JavaScript 101 Python 101 Python 201	MicroPython Artificial Intelligence 101
2-AP-17	6-8	Systematically test and refine programs using a range of test cases.	Algorithms & Programming	Programming 201 Programming 202 Programming 300 Programming 301 Programming 302 Life Science 201 Physical Science 201 Earth Science 201 Math 201 Social Studies 201 English 201 Web Development 101 JavaScript 101 Python 101 Python 201	Augmented Reality Drones 101 MicroPython Artificial Intelligence 101 Artificial Intelligence 401
2-AP-18	6-8	Distribute tasks and maintain a project timeline when collaboratively developing computational	Algorithms & Programming	Programming 201 Programming 202	<u>MicroPython</u>



		artifacts.		Programming 301 Programming 302 Web Development 101 JavaScript 101 Python 101 Python 201	
2-AP-19	6-8	Document programs in order to make them easier to follow, test, and debug.	Algorithms & Programming	Programming 300 Web Development 101 JavaScript 101 Python 101 Python 201	<u>MicroPython</u>
2-IC-20	6-8	Compare tradeoffs associated with computing technologies that affect people's everyday activities and career options.	Impacts of Computing		
2-IC-21	6-8	Discuss issues of bias and accessibility in the design of existing technologies.	Impacts of Computing		
2-IC-22	6-8	Collaborate with many contributors through strategies such as crowdsourcing or surveys when creating a computational artifact.	Impacts of Computing		
2-IC-23	6-8	Describe tradeoffs between allowing information to be public and keeping information private and secure.	Impacts of Computing		
3A-CS-01	9-10	Explain how abstractions hide the underlying implementation details of computing systems embedded in everyday objects.	Computing Systems	AP CSA AP CSP	
3A-CS-02	9-10	Compare levels of abstraction and interactions between application software, system software, and hardware layers.	Computing Systems		



3A-CS-03	9-10	Develop guidelines that convey systematic troubleshooting strategies that others can use to identify and fix errors.	Computing Systems		
3A-NI-04	9-10	Evaluate the scalability and reliability of networks, by describing the relationship between routers, switches, servers, topology, and addressing.	Networks & the Internet		
3A-NI-05	9-10	Give examples to illustrate how sensitive data can be affected by malware and other attacks.	Networks & the Internet		
3A-NI-06	9-10	Recommend security measures to address various scenarios based on factors such as efficiency, feasibility, and ethical impacts.	Networks & the Internet	Web Development 101	
3A-NI-07	9-10	Compare various security measures, considering tradeoffs between the usability and security of a computing system.	Networks & the Internet	AP CSA	
3A-NI-08	9-10	Explain tradeoffs when selecting and implementing cybersecurity recommendations.	Networks & the Internet		
3A-DA-09	9-10	Translate between different bit representations of real-world phenomena, such as characters, numbers, and images.	Data & Analysis	<u>AP CSP</u>	
3A-DA-10	9-10	Evaluate the tradeoffs in how data elements are organized and where data is stored.	Data & Analysis	AP CSP AP CSA Data Science 1	
3A-DA-11	9-10	Create interactive data visualizations using software tools to help others better understand real-world phenomena.	Data & Analysis	AP CSP AP CSA Data Science 1	



3A-DA-12	9-10	Create computational models that represent the relationships among different elements of data collected from a phenomenon or process.	Data & Analysis	AP CSP AP CSA Data Science 1	
3A-AP-13	9-10	Create prototypes that use algorithms to solve computational problems by leveraging prior student knowledge and personal interests.	Algorithms & Programming	Web Development 101 JavaScript 101 Python 101 Python 201 AP CSP AP CSA Data Science 1	MicroPython Intro to Programming and Art Artificial Intelligence 401
3A-AP-14	9-10	Use lists to simplify solutions, generalizing computational problems instead of repeatedly using simple variables.	Algorithms & Programming	AP CSP AP CSA Data Science 1	
3A-AP-15	9-10	Justify the selection of specific control structures when tradeoffs involve implementation, readability, and program performance, and explain the benefits and drawbacks of choices made.	Algorithms & Programming	AP CSP AP CSA	
3A-AP-16	9-10	Design and iteratively develop computational artifacts for practical intent, personal expression, or to address a societal issue by using events to initiate instructions.	Algorithms & Programming	Web Development 101 JavaScript 101 Python 101 Python 201 AP CSP AP CSA Data Science 1	MicroPython Intro to Programming and Art
3A-AP-17	9-10	Decompose problems into smaller components through systematic analysis, using constructs such as procedures, modules, and/or objects.	Algorithms & Programming	Web Development 101 JavaScript 101 Python 101 Python 201	MicroPython Intro to Programming and Art Artificial Intelligence 401



				AP CSP AP CSA Data Science 1	
3A-AP-18	9-10	Create artifacts by using procedures within a program, combinations of data and procedures, or independent but interrelated programs.	Algorithms & Programming	<u>Data Science 1</u>	
3A-AP-19	9-10	Systematically design and develop programs for broad audiences by incorporating feedback from users.	Algorithms & Programming	Web Development 101 JavaScript 101 Python 101 Python 201 AP CSA Data Science 1	<u>MicroPython</u>
3A-AP-20	9-10	Evaluate licenses that limit or restrict use of computational artifacts when using resources such as libraries.	Algorithms & Programming		
3A-AP-21	9-10	Evaluate and refine computational artifacts to make them more usable and accessible.	Algorithms & Programming	Web Development 101 JavaScript 101 Python 101 Python 201 AP CSP AP CSA Data Science 1	Intro to Programming and Art MicroPython Artificial Intelligence 401
3A-AP-22	9-10	Design and develop computational artifacts working in team roles using collaborative tools.	Algorithms & Programming	AP CSP AP CSA Data Science 1	
3A-AP-23	9-10	Document design decisions using text, graphics, presentations, and/or demonstrations in the development of	Algorithms & Programming	AP CSP AP CSA	<u>MicroPython</u>



		complex programs.			
3A-IC-24	9-10	Evaluate the ways computing impacts personal, ethical, social, economic, and cultural practices.	Impacts of Computing	Web Development 101 AP CSP AP CSA Data Science 1	Intro to Programming and Art MicroPython Artificial Intelligence 401
3A-IC-25	9-10	Test and refine computational artifacts to reduce bias and equity deficits.	Impacts of Computing	AP CSP Data Science 1	
3A-IC-26	9-10	Demonstrate ways a given algorithm applies to problems across disciplines.	Impacts of Computing	Web Development 101 JavaScript 101 Python 101 Python 201 AP CSP AP CSA Data Science 1	MicroPython Artificial Intelligence 401
3A-IC-27	9-10	Use tools and methods for collaboration on a project to increase connectivity of people in different cultures and career fields.	Impacts of Computing	<u>AP CSA</u>	
3A-IC-28	9-10	Explain the beneficial and harmful effects that intellectual property laws can have on innovation.	Impacts of Computing	<u>AP CSP</u>	
3A-IC-29	9-10	Explain the privacy concerns related to the collection and generation of data through automated processes that may not be evident to users.	Impacts of Computing	Web Development 101	Artificial Intelligence 401
3A-IC-30	9-10	Evaluate the social and economic implications of privacy in the context of safety, law, or ethics.	Impacts of Computing	AP CSP AP CSA	



3B-CS-01	11-12	Categorize the roles of operating system software.	Computing Systems		
3B-CS-02	11-12	Illustrate ways computing systems implement logic, input, and output through hardware components.	Computing Systems		<u>MicroPython</u>
3B-NI-03	11-12	Describe the issues that impact network functionality (e.g., bandwidth, load, delay, topology).	Networks & the Internet	<u>AP CSA</u>	
3B-NI-04	11-12	Compare ways software developers protect devices and information from unauthorized access.	Networks & the Internet		
3B-DA-05	11-12	Use data analysis tools and techniques to identify patterns in data representing complex systems.	Data & Analysis	<u>Data Science 1</u> <u>AP CSA</u>	
3B-DA-06	11-12	Select data collection tools and techniques to generate data sets that support a claim or communicate information.	Data & Analysis	<u>Data Science 1</u> <u>AP CSA</u>	
3B-DA-07	11-12	Evaluate the ability of models and simulations to test and support the refinement of hypotheses.	Data & Analysis	<u>Data Science 1</u>	
3B-AP-08	11-12	Describe how artificial intelligence drives many software and physical systems.	Algorithms & Programming	<u>AP CSP</u>	MicroPython Artificial Intelligence 401
3B-AP-09	11-12	Implement an artificial intelligence algorithm to play a game against a human opponent or solve a problem.	Algorithms & Programming	JavaScript 101 Python 101 Python 201 AP CSP Data Science 1	MicroPython Artificial Intelligence 401



3B-AP-10	11-12	Use and adapt classic algorithms to solve computational problems.	Algorithms & Programming	Web Development 101 JavaScript 101 Python 101 Python 201 AP CSP AP CSA Data Science 1	Intro to Programming and Art MicroPython Artificial Intelligence 401
3B-AP-11	11-12	Evaluate algorithms in terms of their efficiency, correctness, and clarity.	Algorithms & Programming	Web Development 101 JavaScript 101 Python 101 Python 201 AP CSP AP CSA Data Science 1	Intro to Programming and Art MicroPython Artificial Intelligence 401
3B-AP-12	11-12	Compare and contrast fundamental data structures and their uses.	Algorithms & Programming	Web Development 101 Python 201 AP CSP AP CSA Data Science 1	Intro to Programming and Art
3B-AP-13	11-12	Illustrate the flow of execution of a recursive algorithm.	Algorithms & Programming	AP CSP AP CSA	
3B-AP-14	11-12	Construct solutions to problems using student-created components, such as procedures, modules and/or objects.	Algorithms & Programming	AP CSP AP CSA	
3B-AP-15	11-12	Analyze a large-scale computational problem and identify generalizable patterns that can be applied to a solution.	Algorithms & Programming	AP CSP AP CSA Data Science 1	
3B-AP-16	11-12	Demonstrate code reuse by creating programming solutions using libraries and	Algorithms & Programming	AP CSP AP CSA	



		APIs.			
3B-AP-17	11-12	Plan and develop programs for broad audiences using a software life cycle process.	Algorithms & Programming		
3B-AP-18	11-12	Explain security issues that might lead to compromised computer programs.	Algorithms & Programming		
3B-AP-19	11-12	Develop programs for multiple computing platforms.	Algorithms & Programming		
3B-AP-20	11-12	Use version control systems, integrated development environments (IDEs), and collaborative tools and practices (code documentation) in a group software project.	Algorithms & Programming		
3B-AP-21	11-12	Develop and use a series of test cases to verify that a program performs according to its design specifications.	Algorithms & Programming	Programming 201 Programming 202 Programming 300 Programming 301 Programming 302 AP CSP AP CSA Data Science 1	
3B-AP-22	11-12	Modify an existing program to add additional functionality and discuss intended and unintended implications (e.g., breaking other functionality).	Algorithms & Programming	Web Development 101 Data Science 1 JavaScript 101 Python 101 Python 201 AP CSP AP CSA	MicroPython Intro to Programming and Art
3B-AP-23	11-12	Evaluate key qualities of a program through a process such as a code review.	Algorithms & Programming	Web Development 101 JavaScript 101	MicroPython Intro to Programming and Art



				Python 101 Python 201 AP CSP AP CSA	
3B-AP-24	11-12	Compare multiple programming languages and discuss how their features make them suitable for solving different types of problems.	Algorithms & Programming	JavaScript 101 Python 101 Python 201	Intro to Programming and Art
3B-IC-25	11-12	Evaluate computational artifacts to maximize their beneficial effects and minimize harmful effects on society.	Impacts of Computing	AP CSP AP CSA	
3B-IC-26	11-12	Evaluate the impact of equity, access, and influence on the distribution of computing resources in a global society.	Impacts of Computing		
3B-IC-27	11-12	Predict how computational innovations that have revolutionized aspects of our culture might evolve.	Impacts of Computing		
3B-IC-28	11-12	Debate laws and regulations that impact the development and use of software.	Impacts of Computing		