

All Lessons in Course C

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Teacher Profile			
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Lesson Information			
Title of Lesson	All lessons are open in Course C		
Content Area	Computer Science	Lesson Plan	
Standard(s)	<p>CSTA K-12 Computer Science Standards (2017)</p> <p>A-AP-09 - Model the way programs store and manipulate data by using numbers or other symbols to represent information.</p> <ul style="list-style-type: none"> •1A-AP-09 - Model the way programs store and manipulate data by using numbers or other symbols to represent information. •1A-AP-10 - Develop programs with sequences and simple loops, to express ideas or address a problem. •1A-AP-11 - Decompose (break down) the steps needed to solve a problem into a precise sequence of instructions. •1A-AP-14 - Debug (identify and fix) errors in an algorithm or program that includes sequences and simple loops. 		
Essential Question	How can write an algorithm that instructs a computer?		
Learning Target(s) KNOW	<p>Objectives</p> <p>Students will be able to:</p> <ul style="list-style-type: none"> •Differentiate between commands that need to be repeated in loops and commands that should be used on their own. •Identify the benefits of using a loop structure instead of manual repetition. 		

	<ul style="list-style-type: none"> •Create and event in their code •Learn the keyboard
Success Criteria SHOW	The students will be able to use loops throughout the program.
Vocabulary	<p>Vocabulary</p> <ul style="list-style-type: none"> •Loop - The action of doing something over and over again. •Repeat - To do something again.
Notes	<h2>Course C (2022)</h2> <p>Version 2022</p> <p>We developed Course C for students in second grade. Students will create programs with sequencing, loops, and events. They will investigate problem-solving techniques and develop strategies for building positive communities both online and offline. By the end of the course, students will create interactive games that they can share.</p>