



## Colorado CTE Course – Scope and Sequence

Course Name	AP Computer Science Principles		Course Details	.5 or 1.0 (based on college credit options)
			Course = 0.50 Carnegie Unit Credit	
<b>Course Description</b>	Introduces the foundations of computer science with a focus on how computing powers the world. Along with the fundamentals of computing, you will learn to analyze data, create technology that has a practical impact, and gain a broader understanding of how computer science impacts people and society.			
<b>Note:</b>	This is a suggested scope and sequence for the course content. The content will work with any textbook or instructional resource. If locally adapted, make sure all essential knowledge and skills are covered.			
SCED Identification #	10157	Schedule calculation based on 60 calendar days of a 90-day semester. Scope and sequence allows for additional time for guest speakers, student presentations, field trips, remediation, or other content topics.		
All courses taught in an approved CTE program must include Essential Skills embedded into the course content. The Essential Skills Framework for this course can be found at <a href="https://www.cde.state.co.us/standardsandinstruction/essentialskills">https://www.cde.state.co.us/standardsandinstruction/essentialskills</a>				
<p>AP Computer Science Principles course must have training through AP College Board to have access to materials and class.</p> <p><a href="https://apcentral.collegeboard.org/courses/ap-computer-science-principles">https://apcentral.collegeboard.org/courses/ap-computer-science-principles</a></p>				
<b>CTSO Integration</b> FBLA: <ul style="list-style-type: none"> <li>• Coding &amp; Programming</li> <li>• Computer Game &amp; Simulation Programming</li> <li>• Network Design</li> <li>• Introduction to Information Technology</li> <li>• Computer Problem Solving</li> </ul>				