








Skill Struck's alignment to

# Arkansas Computer Science and Computing Standards Middle School Introduction to Coding Standards

## Legend

-  = Standard aligned  
 = Not currently aligned

Standard	Status
<b>CSCB.1.1</b> Examine traditional programming algorithms, including searches and sorts	
<b>CSCB.1.2</b> Describe the steps needed to efficiently solve a problem	
<b>CSCB.1.3</b> Manually test algorithms with sample data to observe accuracy of anticipated output	
<b>CSCB.1.4</b> Demonstrate appropriate collaborative behaviors (e.g., integrating feedback, providing useful feedback, understanding and accepting multiple perspectives) when solving problems	
<b>CSCB.2.1</b> Apply strategies to protect personal digital footprints (e.g., game profiles,	

shares on social media, other online accounts) and the responsibilities and opportunities of living, learning, and working in a digitally connected world	
<b>CSCB.3.1</b> Explain the logic involved in how a computer program executes (e.g., flow charts, program flow)	✓
<b>CSCB.3.2</b> Discuss and apply best practices of backend program design (e.g., comments, documentation, whitespace)	✓
<b>CSCB.3.3</b> Test a computer program with data and evaluate output for accuracy	✓
<b>CSCB.3.4</b> Find and debug errors in a computer program	✓
<b>CSCB.4.1</b> Implement the following programming concepts: <ul style="list-style-type: none"> <li>• data types</li> <li>• variable creation</li> <li>• variable assignment</li> <li>• conditional branching (e.g., if, if-else, multi-branch)</li> <li>• iteration (e.g., for, while)</li> <li>• functions</li> </ul>	✓
<b>CSCB.4.2</b> Create a program using a text-based programming language	✓
<b>CSCB.5.1</b> Identify major components and functions of computer systems (e.g., hardware, software) and networks (e.g., network components, wired, wireless) and recommend methods to secure computer systems and networks	✓

**CSCB.6.1**

Research diverse careers and career opportunities that are influenced by computer science and the technical and soft skills needed for each

