



Computer Science Pathways

	Creative Computing	Applied Computing		Cybersecurity
Home Base	Roaring Fork HS	Glenwood Springs HS		Basalt HS
Level 1 (9-10th grade)	Computer Science Discoveries			
Level 2 (10-12th)	AP Computer Science Principles (math credit)			
Level 3 (10-12th)	Game and App Development	Robotics	Computer Maintenance	Cybersecurity
	Any CS Concurrent Enrollment Course			
Level 4 (11-12th)	Web Design	Makerspace Engineering	AP Computer Science A (math credit)	Ethical Hacking
	Capstone Experience in Design products, Coding, or Security			
	Any CS Concurrent Enrollment Course			
	Industry Certification			



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	Pathway #1	Pathway #2	Pathway #3
Home Base	Roaring Fork HS	Glenwood Springs HS	Basalt HS

Possible Industry Certifications	<ul style="list-style-type: none"> • Unity Certified User: Programmer • Swift Certification (Apple) • Google Associate Android Developer Certification • Microsoft Exam 98-383: Introduction to Programming Using HTML and CSS (through 2022) • CP400- html 4.0 Certification 	<ul style="list-style-type: none"> • Oracle Certified Associate Java • Cisco CCNA Certification • SMART Robotics Technician Micro-Certifications • There are 5 SMART Robotics Technician Micro-Certifications available that focus on different foundational competencies. Participants can opt to complete any number 	<ul style="list-style-type: none"> • CompTIA Network Certification • Microsoft Certified: Security, Compliance, and Identity Fundamentals Exam SC-900 • Cisco Certified Technician CCT
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		<p><u>of them, based on their roles within their robotics team.</u></p> <ul style="list-style-type: none">• <u>Mechanical Foundations (through FRC)</u>• <u>Fabrication Foundations (through FRC)</u>• <u>Micro-Certifications</u>• <u>Electrical Foundations (through FRC)</u>• <u>Software Foundations (through FRC)</u>• <u>Robotics Integration (through FRC)</u>• <u>Electrical Foundations (through FRC)</u>• <u>Software Foundations (through FRC)</u>• <u>Robotics Integration (through FRC)</u>	
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