Getting Girl Scouts Involved in Space Science

CEDAR 2024

Bryce F. Halter

Girl Scouts STEM Programming

Badge Category		Daisy	Brownie	Junior	Cadette	Senior	Ambassador
Animals			Pets	Animal Habitats	Animal Helpers	Voice for Animals	
Automotive Engineering I		Automotive Design	Automotive Design	Automotive Design			
Automotive Engineering II		Automotive Engineering	Automotive Engineering	Automotive Engineering			
Automotive Engineering III		Automotive Manufacturing	Automotive Manufacturing	Automotive Manufacturing			
Coding for Good I		Coding Basics	Coding Basics	Coding Basics	Coding Basics	Coding Basics	Coding Basics
Coding for Good II		Digital Game Design	Digital Game Design	Digital Game Design	Digital Game Design	Digital Game Design	Digital Game Design
Coding for Good III		App Development	App Development	App Development	App Development	App Development	App Development
Cybersecurity I		Cybersecurity Basics	Cybersecurity Basics	Cybersecurity Basics	Cybersecurity Basics	Cybersecurity Basics	Cybersecurity Basics
Cybersecurity II		Cybersecurity Safeguards	Cybersecurity Safeguards	Cybersecurity Safeguards	Cybersecurity Safeguards	Cybersecurity Safeguards	Cybersecurity Safeguards
Cybersecurity III		Cybersecurity Investigator	Cybersecurity Investigator	Cybersecurity Investigator	Cybersecurity Investigator	Cybersecurity Investigator	Cybersecurity Investigator
Digital Arts			Computer Expert	Digital Photographer	Digital Movie Maker	Website Designer	
Digital Leadership		Digital Leadership	Digital Leadership	Digital Leadership	Digital Leadership	Digital Leadership	Digital Leadership
Investigation			Senses	Detective	Special Agent	Truth Seeker	
Math in Nature I		Shapes in Nature	Shapes in Nature	Shapes in Nature			
Math in Nature II		Numbers in Nature	Numbers in Nature	Numbers in Nature			
Math in Nature III		Design with Nature	Design with Nature	Design with Nature			
Mechanical Engineering I		Board Game Design Challenge	Leap Bot Design Challenge	Paddle Boat Design Challenge			
Mechanical Engineering II		Roller Coaster Design Challenge	Fling Flyer Design Challenge	Crane Design Challenge			
Mechanical Engineering III		Model Car Design Challenge	Race Car Design Challenge	Balloon Car Design Challenge			
Robotics I		What Robots Do	Programming Robots	Programming Robots	Programming Robots	Programming Robots	Programming Robots
Robotics II		How Robots Move	Designing Robots	Designing Robots	Designing Robots	Designing Robots	Designing Robots
Robotics III		Design a Robot	Showcasing Robots	Showcasing Robots	Showcasing Robots	Showcasing Robots	Showcasing Robots
Science and Technology			Home Scientist	Entertainment Technology	Science of Happiness	Science of Style	
Space Science		Space Science Explorer	Space Science Adventurer	Space Science Investigator	Space Science Researcher	Space Science Expert	Space Science Master
STEM Career Exploration			STEM Career Exploration	STEM Career Exploration	STEM Career Exploration		

(Side label: SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH)
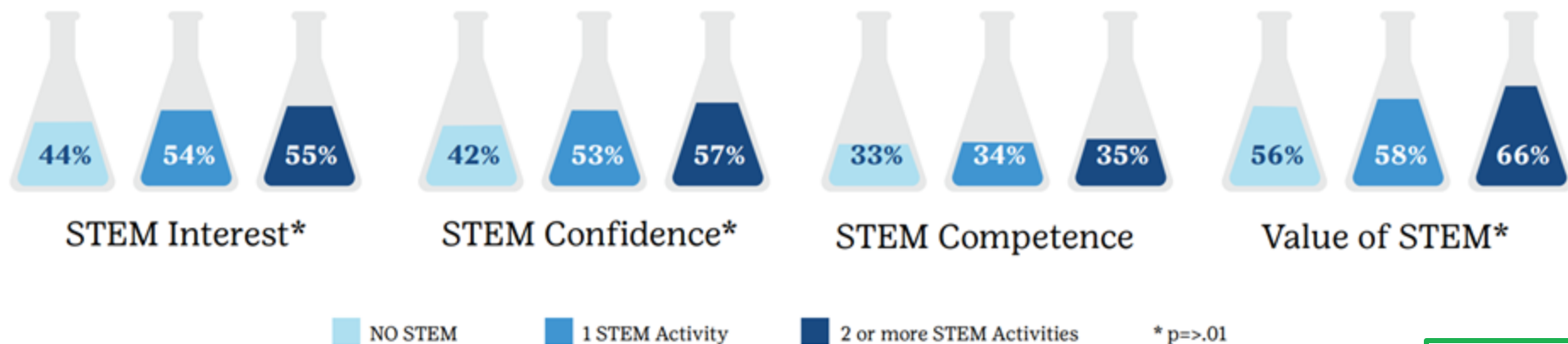

STEM Career Education badge

Created for all grade levels K-12

Flexible to different types of curriculum

Impact of STEM Activities

Percentage of Girl Scouts Developing STEM Outcomes

STEM Interest*	STEM Confidence*	STEM Competence	Value of STEM*
44% / 54% / 55%	42% / 53% / 57%	33% / 34% / 35%	56% / 58% / 66%

NO STEM   1 STEM Activity   2 or more STEM Activities   * p=>.01

CEDAR 2024 Outreach Event

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Getting Involved!

Want to help with this event in 2025?

Email:
bryce.halter@colorado.edu
or
bryce.halter@spaceforce.mil

Want to run this event where you live?

Event tutorial/guide/outline/etc. below: