

NOAA Education Overview



Presentation to the
NOAA Science Advisory Board

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Federal STEM Strategic Plan

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The five-year strategic plan for STEM education is based on a vision for a future where all Americans will have lifelong access to high-quality STEM education and the United States will be the global leader in STEM literacy, innovation, and employment



CHARTING A COURSE FOR SUCCESS: AMERICA'S STRATEGY FOR STEM EDUCATION

A Report by the
COMMITTEE ON STEM EDUCATION
of the
NATIONAL SCIENCE & TECHNOLOGY COUNCIL

December 2018

Federal STEM Strategic Plan

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Pathways	Objectives	NOAA
Develop and Enrich Strategic Partnerships	Foster STEM Ecosystems that Unite Communities	•
	Increase Work-Based Learning and Training through Educator-Employer Partnerships	•
	Blend Successful Practices from Across the Learning Landscape	•
Engage Students where Disciplines Converge	Advance Innovation and Entrepreneurship Education	
	Make Mathematics a Magnet	
	Encourage Transdisciplinary Learning	•
Build Computational Literacy	Promote Digital Literacy and Cyber Safety	
	Make Computational Thinking An Integral Element of All Education	
	Expand Digital Platforms for Teaching and Learning	•

2018 NOAA Education Metrics

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- 61.9 million people visited informal education institutions hosting NOAA supported exhibits or programs
- 478 institutions increased educational capacity with NOAA funding
- 458,000 P-12 students participated in NOAA-supported formal education programs
- 38,100 educators participated in NOAA-supported professional development
- 3,310 postsecondary students trained with NOAA support
- 709 postsecondary degrees awarded to NOAA-supported students
- 37.4 million visits made to NOAA Education websites