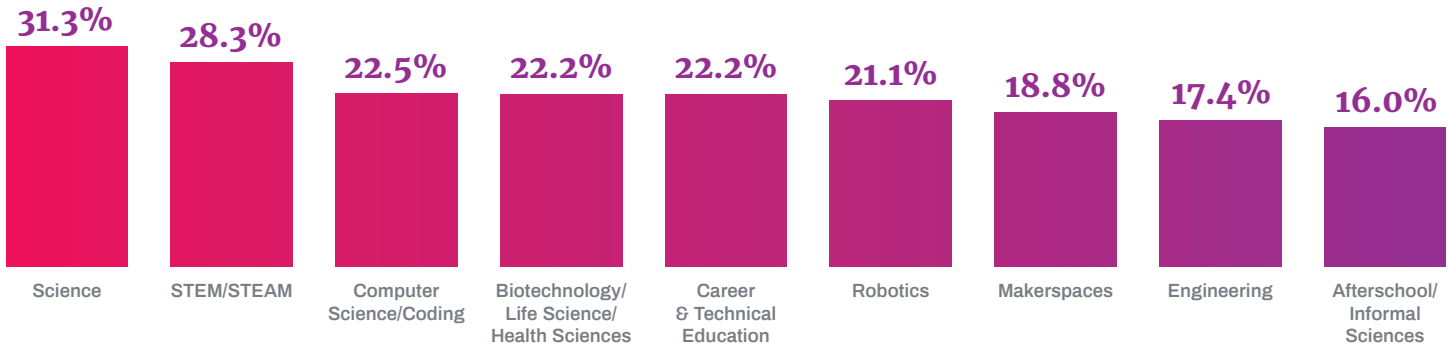# Top ESSA Funding Initiatives for STEM

Since 2009, STEM Reports, published by Catapult X, has conducted annual surveys of the STEM education marketplace, asking educators about their current and planned initiatives, implementation programs, funding priorities and more. Here are just a few of the survey findings that will interest both the education community and the organizations that serve and support STEM teaching and learning.

Leaders Committed to STEM Education*: Our Survey Respondents

- 36.1% K-12 Directors of Curriculum & Instruction
- 13.2% Directors of Professional Learning & Development
- 10.2% Directors of Innovation & Technology
- 9.5% Directors of Career & Technical Education
- 8.2% Directors of Information Technology
- 6.4% STEM/STEAM Directors
- 5.9% Title II Directors
- 5.2% Science Directors
- 2.5% ESSA Program Directors
- 2.3% Directors of Technology
- 0.5% TOSA Directors

Curriculum Leaders Have Purchasing Authority For a Broad Spectrum of STEM Instructional Programs

The data in this chart shows the range of Curriculum Leaders' purchasing priorities in STEAM/STEM.

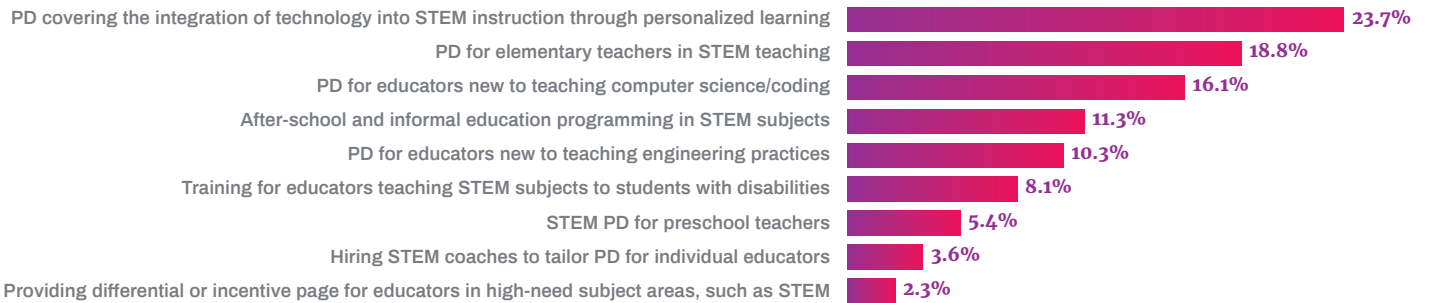| Category	Percentage
Science	31.3%
STEM/STEAM	28.3%
Computer Science/Coding	22.5%
Biotechnology/Life Science/Health Sciences	22.2%
Career & Technical Education	22.2%
Robotics	21.1%
Makerspaces	18.8%
Engineering	17.4%
Afterschool/Informal Sciences	16.0%

District-Level Technology Implementation For STEM in 1-3 Years

ESSA's Title IV-A authorizes activities to provide students with a well-rounded education including STEM and computer science, supporting safe and healthy students, and supporting the effective use of technology.

Technology Implementation	Current	1-3 School Year Plan	Not Planned
1:1 Chromebook	66.5%	15.4%	18.1%
1:1 Laptop Computer	29.5%	8.7%	61.8%
BYOD	23.2%	6.3%	70.5%
1:1 Tablet	24%	6.3%	69.7%

Title II-A Funding Priorities

Districts are supporting a range of professional development programs now and have plans to continue in the 2019-20 school year. Their responses reflect their range of priorities and interests in STEM learning for students and educators.

Priority	Percentage
PD covering the integration of technology into STEM instruction through personalized learning	23.7%
PD for elementary teachers in STEM teaching	18.8%
PD for educators new to teaching computer science/coding	16.1%
After-school and informal education programming in STEM subjects	11.3%
PD for educators new to teaching engineering practices	10.3%
Training for educators teaching STEM subjects to students with disabilities	8.1%
STEM PD for preschool teachers	5.4%
Hiring STEM coaches to tailor PD for individual educators	3.6%
Providing differential or incentive page for educators in high-need subject areas, such as STEM	2.3%

Fueled by data-driven marketing, Catapult X partners with STEM education companies to launch products to build brands that resonate with the hearts and minds of educators.

*N=440