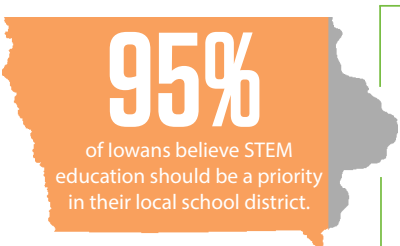


2020-2021 IOWA STEM RETURN ON INVESTMENT

TOMORROW STEMS FROM IOWA

GOVERNOR'S STEM ADVISORY COUNCIL

The Iowa Governor's STEM Advisory Council is a nationally acclaimed, public-private partnership of educators, business leaders, non-profits and local and state government officials collaborating to increase student interest and achievement in STEM to meet the employer demand across Iowa. The STEM Council is co-chaired by Governor Kim Reynolds and Foundation Analytical Laboratory Owner and Director of Technical Services Diane Young.

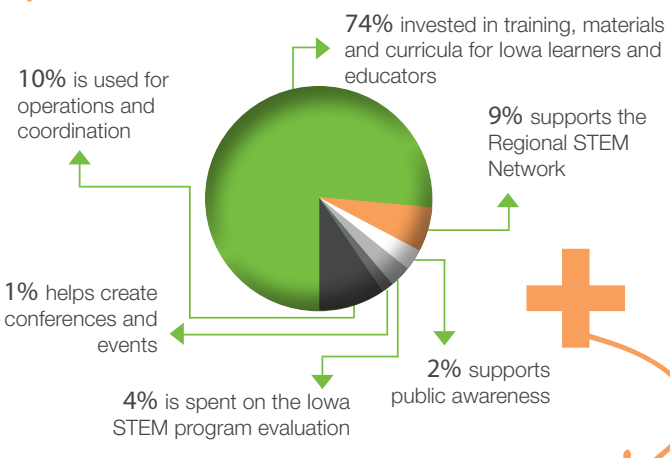


Only 58% of Iowans said STEM education actually is a priority in their local school district.

85% of Iowans support state efforts to devote resources and develop initiatives to promote STEM education in Iowa.

PUBLIC SUPPORT OF IOWA STEM

\$6.4 MIL LEGISLATIVE APPROPRIATION



\$1.1 MIL

ADDITIONAL NON-STATE INVESTMENT IN STEM

\$192 K

Corporate Partners

22 Corporate Partners contributed to Iowa STEM in 2020-2021

+

\$45 K

Grants

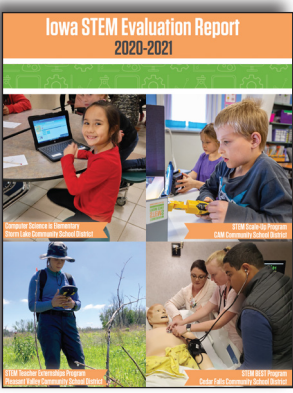
Iowa Department of Natural Resources

+

\$871 K

Cost-Sharing

STEM Scale-Up Program Providers
Regional STEM Hub Institutions
STEM BEST® Program Partners
Strategic America
STEM Teacher Externships Program Workplace Hosts



Need more **ROI** information on Iowa STEM?

Visit:

www.iowaSTEM.org/iowa-STEM-Evaluation

Email:

Info@iowaSTEM.org

KEY INDICATORS FOR STEM IN IOWA



STEM EDUCATORS

93% of participating educators have more confidence to teach STEM content.

STEM INTEREST



Upon graduating and enrolling in an Iowa public university, students who participated in the STEM Scale-Up Program were 18 percentage points more likely to major in STEM.



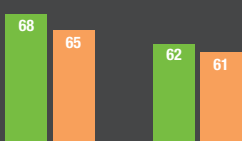
The number of certificates and diplomas at 2-year institutions increased by 5%, at 4-year public institutions by 50% and at 4-year private institutions by 20%.



64% of collegians who took part in a STEM BEST Program are in STEM majors. That's more than twice the national rate.

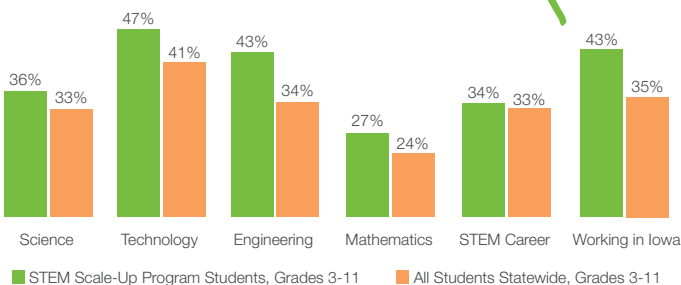
STEM SCALE-UP PROGRAM

1 K-12 STUDENT ACHIEVEMENT IN STEM



Students who participated in the STEM Scale-Up Program performed better than students who did not receive STEM Scale-Up Programming. In 2020-2021, STEM Scale-Up Program participants in grades 3-11 scored an average of 3 points higher in mathematics and 1 point higher in science.

2 STUDENT INTEREST IN STEM



A higher proportion of students who participated in a STEM Scale-Up Program said they were "very interested" in all STEM subjects and in pursuing a STEM career compared to all students statewide.

BUILDING SCHOOL + BUSINESS PARTNERSHIPS



Businesses Engaging Students and Teachers



12 new STEM BEST Program partnerships were established.



12 schools districts involved with nearly 2,000 student participants.



More than 72 community partners were engaged in 2020-2021.



2009-2021



697 STEM Teacher Extern Experiences (Six-week immersions)



203 Iowa Workplace Hosts



\$1,056,600 approximate cost-share by workplace hosts (\$102,000 in 2021)

MICROSOFT IMAGINE ACADEMY

15,088 student certifications awarded since 2014.

438 Microsoft Technology Associate certifications awarded since 2014.



1,022 student certifications earned in 2020-2021



by 150 schools across Iowa

REGIONAL STEM NETWORK



42 Family STEM Festivals were hosted that impacted approximately 22,054 Iowans in 2020-2021.

1,325 new connections were made with businesses, workforce development, economic development and formal/informal education leaders.

5,991 followers and 3,002 likes, collectively