[~116H4979]

Frank Brank

(Original Signature of Member)

117TH CONGRESS 1ST SESSION

H.R.

To coordinate Federal research and development efforts focused on STEM education and workforce development in rural areas, including the development and application of new technologies to support and improve rural STEM education, and for other purposes.

### IN THE HOUSE OF REPRESENTATIVES

Mr.	Lucas introduced t	the following	bill; which	was referred	to the Committe	Эе
	on					

# A BILL

To coordinate Federal research and development efforts focused on STEM education and workforce development in rural areas, including the development and application of new technologies to support and improve rural STEM education, and for other purposes.

- 1 Be it enacted by the Senate and House of Representa-
- 2 tives of the United States of America in Congress assembled,
- 3 SECTION 1. SHORT TITLE.
- 4 This Act may be cited as the "Rural STEM Edu-
- 5 cation Research Act".

## 1 SEC. 2. FINDINGS.

2	Congress finds the following:
3	(1) The supply of STEM workers is not keeping
4	pace with the rapidly evolving needs of the public
5	and private sector, resulting in a deficit often re-
6	ferred to as a STEM skills shortage.
7	(2) According to the Bureau of Labor Statis-
8	tics, the United States will need one million addi-
9	tional STEM professionals than it is on track to
10	produce in the coming decade.
11	(3) Many STEM occupations offer higher
12	wages, more opportunities for advancement, and a
13	higher degree of job security than non-STEM jobs.
14	(4) The 60,000,000 individuals in the United
15	States who live in rural settings are significantly
16	under-represented in STEM.
17	(5) According to the National Center for Edu-
18	cation Statistics, nine million students in the United
19	States—nearly 20 percent of the total K–12 popu-
20	lation—attend rural schools, and for reasons rang-
21	ing from teacher quality to shortages of resources,
22	these students often have fewer opportunities for
23	high-quality STEM learning than their peers in the
24	Nation's urban and suburban schools.
25	(6) Rural areas represent one of the most
26	promising, yet underutilized, opportunities for

1 STEM education to impact workforce development 2 and regional innovation, including agriculture. 3 (7) The study of agriculture, food, and natural 4 resources involves biology, engineering, physics, 5 chemistry, math, geology, computer science, and 6 other scientific fields. 7 (8) Employment in computer and information 8 technology occupations is projected to grow 11 per-9 cent from 2019 to 2029. To help meet this demand, 10 it is important rural students have the opportunity 11 to acquire computing skills through exposure to com-12 puter science learning in grades Pre-K through 12 13 and in informal learning settings. 14 (9) More than 293,000,000 individuals in the 15 United States use high-speed broadband to work, 16 learn, access healthcare, and operate their busi-17 nesses, while 19,000,000 individuals in the United 18 States still lack access to high-speed broadband. 19 Rural areas are hardest hit, with over 26 percent of 20 individuals in rural areas in the United States lack-21 ing access to high-speed broadband compared to 1.7 22 percent of individuals in urban areas in the United

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States.

1	SEC. 3. NIST ENGAGEMENT WITH RURAL COMMUNITIES.
2	(a) MEP Outreach.—Section 25 of the National
3	Institute of Standards and Technology Act (15 U.S.C.
4	278k) is amended—
5	(1) in subsection (c)—
6	(A) in paragraph (6), by striking "commu-
7	nity colleges and area career and technical edu-
8	cation schools" and inserting the following:
9	"secondary schools (as defined in section 8101
10	of the Elementary and Secondary Education
11	Act of 1965 (20 U.S.C. 7801)), community col-
12	leges, and area career and technical education
13	schools, including those in underserved and
14	rural communities,"; and
15	(B) in paragraph (7)—
16	(i) by striking "and local colleges"
17	and inserting the following: "local high
18	schools and local collseges, including those
19	in underserved and rural communities,";
20	and
21	(ii) by inserting "or other applied
22	learning opportunities" after "apprentice-
23	ships"; and
24	(2) in subsection (d)(3) by striking ", commu-
25	nity colleges, and area career and technical edu-
26	cation schools," and inserting the following: "and

1	local high schools, community colleges, and area ca-
2	reer and technical education schools, including those
3	in underserved and rural communities,".
4	(b) Rural Connectivity Prize Competition.—
5	(1) Prize competition.—Pursuant to section
6	24 of the Stevenson-Wydler Technology Innovation
7	Act of 1980 (15 U.S.C. 3719), the Secretary of
8	Commerce, acting through the Under Secretary of
9	Commerce for Standards and Technology (referred
10	to in this subsection as the "Secretary"), shall, sub-
11	ject to appropriations, carry out a program to award
12	prizes competitively to stimulate research and devel-
13	opment of creative technologies in order to deploy
14	affordable and reliable broadband connectivity to un-
15	derserved rural communities.
16	(2) Plan for deployment in rural commu-
17	NITIES.—Each proposal submitted pursuant to para-
18	graph (1) shall include a plan for deployment of the
19	technology that is the subject of such proposal in an
20	underserved rural community.
21	(3) Prize amount.—In carrying out the pro-
22	gram under paragraph (1), the Secretary may award
23	not more than a total of \$5,000,000 to one or more
24	winners of the prize competition.

1	(4) Report.—Not later than 60 days after the
2	date on which a prize is awarded under the prize
3	competition, the Secretary shall submit to the rel-
4	evant committees of Congress a report that describes
5	the winning proposal of the prize competition.
6	(5) Consultation.—In carrying out the pro-
7	gram under subsection (a), the Secretary may con-
8	sult with the heads of relevant departments and
9	agencies of the Federal Government.
10	SEC. 4. NITR-D BROADBAND WORKING GROUP.
11	Title I of the High-Performance Computing Act of
12	1991 (15 U.S.C. 5511 et seq.) is amended by adding at
13	the end the following:
13	
13 14	the end the following:
	the end the following:  "SEC. 103. BROADBAND RESEARCH AND DEVELOPMENT
13 14 15	the end the following:  "SEC. 103. BROADBAND RESEARCH AND DEVELOPMENT  WORKING GROUP.
13 14 15 16	the end the following:  "SEC. 103. BROADBAND RESEARCH AND DEVELOPMENT  WORKING GROUP.  "(a) IN GENERAL.—The Director shall establish a
13 14 15 16 17	the end the following:  "SEC. 103. BROADBAND RESEARCH AND DEVELOPMENT  WORKING GROUP.  "(a) IN GENERAL.—The Director shall establish a broadband research and development working group to ad-
13 14 15 16 17 18	the end the following:  "SEC. 103. BROADBAND RESEARCH AND DEVELOPMENT  WORKING GROUP.  "(a) IN GENERAL.—The Director shall establish a broadband research and development working group to address national research challenges and opportunities for
13 14 15 16 17 18	the end the following:  "SEC. 103. BROADBAND RESEARCH AND DEVELOPMENT  WORKING GROUP.  "(a) IN GENERAL.—The Director shall establish a broadband research and development working group to address national research challenges and opportunities for improving broadband access and adoption across the
13 14 15 16 17 18 19	"SEC. 103. BROADBAND RESEARCH AND DEVELOPMENT WORKING GROUP.  "(a) In General.—The Director shall establish a broadband research and development working group to address national research challenges and opportunities for improving broadband access and adoption across the United States.
13 14 15 16 17 18 19 20	"SEC. 103. BROADBAND RESEARCH AND DEVELOPMENT WORKING GROUP.  "(a) IN GENERAL.—The Director shall establish a broadband research and development working group to address national research challenges and opportunities for improving broadband access and adoption across the United States.  "(b) Activities.—The working group shall identify

1	"(2) requirements for data collection and shar-
2	ing;
3	"(3) opportunities for better alignment and co-
4	ordination across Federal agencies and external
5	stakeholders; and
6	"(4) input on the development of new Federal
7	policies and programs to enhance data collection and
8	research.
9	"(c) Coordination.—The working group shall co-
10	ordinate, as appropriate, with the Rural Broadband Inte-
11	gration Working Group established under section 6214 of
12	the Agriculture Improvement Act of 2018 (Public Law
13	115–334) and the National Institute of Food and Agri-
14	culture of the Department of Agriculture.
15	"(d) Report.—The working group shall report to
16	Congress on their activities as part of the annual report
17	submitted under section 101(a)(2)(D).
18	"(e) Sunset.—The authority to carry out this sec-
19	tion shall terminate on the date that is 5 years after the
20	date of enactment of the Rural STEM Education Act.".
21	SEC. 5. NATIONAL ACADEMY OF SCIENCES EVALUATION.
22	(a) STUDY.—Not later than 12 months after the date
23	of enactment of this Act, the Director shall enter into an
24	agreement with the National Academy of Sciences under

1	which the National Academy agrees to conduct an evalua-
2	tion and assessment that—
3	(1) evaluates the quality and quantity of cur-
4	rent Federal programming and research directed at
5	examining STEM education for students in grades
6	Pre-K through 12 and workforce development in
7	rural areas;
8	(2) assesses the impact of the scarcity of
9	broadband connectivity in rural communities has on
10	STEM and technical literacy for students in grades
11	Pre-K through 12 in rural areas;
12	(3) assesses the core research and data needed
13	to understand the challenges rural areas are facing
14	in providing quality STEM education and workforce
15	development; and
16	(4) makes recommendations for action at the
17	Federal, State, and local levels for improving STEM
18	education for students in grades Pre-K through 12
19	and workforce development in rural areas.
20	(b) REPORT TO DIRECTOR.—The agreement entered
21	into under subsection (a) shall require the National Acad-
22	emy of Sciences, not later than 24 months after the date
23	of enactment of this Act, to submit to the Director a re-
24	port on the study conducted under such subsection, includ-

1	ing the National Academy's findings and recommenda-
2	tions.
3	(c) Authorization of Appropriations.—There
4	are authorized to be appropriated to the Director to carry
5	out this section \$1,000,000 for fiscal year 2022.
6	SEC. 6. GAO REVIEW.
7	Not later than 3 years after the date of enactment
8	of this Act, the Comptroller General of the United States
9	shall conduct a study on the engagement of rural popu-
10	lations in Federal STEM programs and submit to Con-
11	gress a report that includes—
12	(1) an assessment of how Federal STEM edu-
13	cation programs are serving rural populations;
14	(2) a description of initiatives carried out by
15	Federal agencies that are targeted at supporting
16	STEM education in rural areas;
17	(3) an assessment of what is known about the
18	impact and effectiveness of Federal investments in
19	STEM education programs that are targeted to
20	rural areas; and
21	(4) an assessment of challenges that state and
22	Federal STEM education programs face in reaching
23	rural population centers.

1	SEC. 7. CAPACITY BUILDING THROUGH EPSCOR.
2	Section 517(f)(2) of the America COMPETES Reau-
3	thorization Act of 2010 (42 U.S.C. $1862p-9(f)(2)$ ) is
4	amended—
5	(1) in subparagraph (A), by striking "and" at
6	the end; and
7	(2) by adding at the end the following:
8	"(C) to increase the capacity of rural com-
9	munities to provide quality STEM education
10	and STEM workforce development program-
11	ming to students, and teachers; and".
12	SEC. 8. NATIONAL SCIENCE FOUNDATION RURAL STEM RE-
13	SEARCH ACTIVITIES.
14	(a) Preparing Rural STEM Educators.—
	<ul><li>(a) Preparing Rural STEM Educators.—</li><li>(1) In General.—The Director shall provide</li></ul>
15	
15 16	(1) In general.—The Director shall provide
15 16 17	(1) In general.—The Director shall provide grants on a merit-reviewed, competitive basis to in-
15 16 17 18	(1) In general.—The Director shall provide grants on a merit-reviewed, competitive basis to institutions of higher education or nonprofit organiza-
15 16 17 18	(1) In General.—The Director shall provide grants on a merit-reviewed, competitive basis to institutions of higher education or nonprofit organizations (or a consortium thereof) for research and de-
115 116 117 118 119 220	(1) In General.—The Director shall provide grants on a merit-reviewed, competitive basis to institutions of higher education or nonprofit organizations (or a consortium thereof) for research and development to advance innovative approaches to sup-
115 116 117 118 119 220 221	(1) In General.—The Director shall provide grants on a merit-reviewed, competitive basis to institutions of higher education or nonprofit organizations (or a consortium thereof) for research and development to advance innovative approaches to support and sustain high-quality STEM teaching in
115 116 117 118 119 220 221 222	(1) In General.—The Director shall provide grants on a merit-reviewed, competitive basis to institutions of higher education or nonprofit organizations (or a consortium thereof) for research and development to advance innovative approaches to support and sustain high-quality STEM teaching in rural schools.
15 16 17 18 19 20 21 22 23	(1) In General.—The Director shall provide grants on a merit-reviewed, competitive basis to institutions of higher education or nonprofit organizations (or a consortium thereof) for research and development to advance innovative approaches to support and sustain high-quality STEM teaching in rural schools.  (2) USE OF FUNDS.—
14 15 16 17 18 19 20 21 22 23 24 25	(1) In General.—The Director shall provide grants on a merit-reviewed, competitive basis to institutions of higher education or nonprofit organizations (or a consortium thereof) for research and development to advance innovative approaches to support and sustain high-quality STEM teaching in rural schools.  (2) Use of funds.—  (A) In General.—Grants awarded under

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1	(i) engaging rural educators of stu-
2	dents in grades Pre-K through 12 in pro-
3	fessional learning opportunities to enhance
4	STEM knowledge, including computer
5	science, and develop best practices;
6	(ii) supporting research on effective
7	STEM teaching practices in rural settings,
8	including the use of rubrics and mastery-
9	based grading practices to assess student
10	performance when employing the
11	transdisciplinary teaching approach for
12	STEM disciplines;
13	(iii) designing and developing pre-
14	service and in-service training resources to
15	assist such rural educators in adopting
16	transdisciplinary teaching practices across
17	STEM courses;
18	(iv) coordinating with local partners
19	to adapt STEM teaching practices to lever-
20	age local natural and community assets in
21	order to support in-place learning in rural
22	areas;
23	(v) providing hands-on training and
24	research opportunities for rural educators
25	described in clause (i) at Federal Labora-

1	tories, institutions of higher education, or
2	in industry;
3	(vi) developing training and best prac-
4	tices for educators who teach multiple
5	grade levels within a STEM discipline;
6	(vii) designing and implementing pro-
7	fessional development courses and experi-
8	ences, including mentoring, for rural edu-
9	cators described in clause (i) that combine
10	face-to-face and online experiences; and
11	(viii) any other activity the Director
12	determines will accomplish the goals of this
13	subsection.
14	(B) RURAL STEM COLLABORATIVE.—The
15	Director may establish a pilot program of re-
16	gional cohorts in rural areas that will provide
17	peer support, mentoring, and hands-on research
18	experiences for rural STEM educators of stu-
19	dents in grades Pre-K through 12, in order to
20	build an ecosystem of cooperation among edu-
21	cators, researchers, academia, and local indus-
22	try.
23	(b) Broadening Participation of Rural Stu-
24	DENTS IN STEM.—

1	(1) IN GENERAL.—The Director shall provide
2	grants on a merit-reviewed, competitive basis to in-
3	stitutions of higher education or nonprofit organiza-
4	tions (or a consortium thereof) for—
5	(A) research and development of program-
6	ming to identify the barriers rural students face
7	in accessing high-quality STEM education; and
8	(B) development of innovative solutions to
9	improve the participation and advancement of
10	rural students in grades Pre-K through 12 in
11	STEM studies.
12	(2) Use of funds.—
13	(A) In general.—Grants awarded under
14	this section shall be used for the research and
15	development activities referred to in paragraph
16	(1), which may include—
17	(i) developing partnerships with com-
18	munity colleges to offer advanced STEM
19	course work, including computer science, to
20	rural high school students;
21	(ii) supporting research on effective
22	STEM practices in rural settings;
23	(iii) implementing a school-wide
24	STEM approach;

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1	(iv) improving the National Science
2	Foundation's Advanced Technology Edu-
3	cation program's coordination and engage-
4	ment with rural communities;
5	(v) collaborating with existing commu-
6	nity partners and networks, such as the co-
7	operative research and extension services
8	of the Department of Agriculture and
9	youth serving organizations like 4–H, after
10	school STEM programs, and summer
11	STEM programs, to leverage community
12	resources and develop place-based pro-
13	gramming;
14	(vi) connecting rural school districts
15	and institutions of higher education, to im-
16	prove precollegiate STEM education and
17	engagement;
18	(vii) supporting partnerships that
19	offer hands-on inquiry-based science activi-
20	ties, including coding, and access to lab re-
21	sources for students studying STEM in
22	grades Pre-K through 12 in a rural area;
23	(viii) evaluating the role of broadband
24	connectivity and its associated impact on

1	the STEM and technology literacy of rural
2	students;
3	(ix) building capacity to support ex-
4	tracurricular STEM programs in rural
5	schools, including mentor-led engagement
6	programs, STEM programs held during
7	nonschool hours, STEM networks,
8	makerspaces, coding activities, and com-
9	petitions; and
10	(x) any other activity the Director de-
11	termines will accomplish the goals of this
12	subsection.
13	(c) APPLICATION.—An applicant seeking a grant
14	under subsection (a) or (b) shall submit an application at
15	such time, in such manner, and containing such informa-
16	tion as the Director may require. The application may in-
17	clude the following:
18	(1) A description of the target population to be
19	served by the research activity or activities for which
20	such grant is sought.
21	(2) A description of the process for recruitment
22	and selection of students, educators, or schools from
23	rural areas to participate in such activity or activi-
24	ties.

1	(3) A description of how such activity or activi-
2	ties may inform efforts to promote the engagement
3	and achievement of rural students in grades Pre-K
4	through 12 in STEM studies.
5	(4) In the case of a proposal consisting of a
6	partnership or partnerships with one or more rural
7	schools and one or more researchers, a plan for es-
8	tablishing a sustained partnership that is jointly de-
9	veloped and managed, draws from the capacities of
10	each partner, and is mutually beneficial.
11	(d) Partnerships.—In awarding grants under sub-
12	section (a) or (b), the Director shall—
13	(1) encourage applicants which, for the purpose
14	of the activity or activities funded through the grant,
15	include or partner with a nonprofit organization or
16	an institution of higher education (or a consortium
17	thereof) that has extensive experience and expertise
18	in increasing the participation of rural students in
19	grades Pre-K through 12 in STEM;
20	(2) encourage applicants which, for the purpose
21	of the activity or activities funded through the grant,
22	include or partner with a consortium of rural schools
23	or rural school districts; and
24	(3) encourage applications which, for the pur-
25	pose of the activity or activities funded through the

1	grant, include commitments from school principals
2	and administrators to making reforms and activities
3	proposed by the applicant a priority.
4	(e) Evaluations.—All proposals for grants under
5	subsections (a) and (b) shall include an evaluation plan
6	that includes the use of outcome oriented measures to as-
7	sess the impact and efficacy of the grant. Each recipient
8	of a grant under this section shall include results from
9	these evaluative activities in annual and final projects.
10	(f) ACCOUNTABILITY AND DISSEMINATION.—
11	(1) EVALUATION REQUIRED.—The Director
12	shall evaluate the portfolio of grants awarded under
13	subsections (a) and (b). Such evaluation shall—
14	(A) use a common set of benchmarks and
15	tools to assess the results of research conducted
16	under such grants and identify best practices;
17	and
18	(B) to the extent practicable, integrate the
19	findings of research resulting from the activity
20	or activities funded through such grants with
21	the findings of other research on rural student's
22	pursuit of degrees or careers in STEM.
23	(2) Report on evaluations.—Not later than
24	180 days after the completion of the evaluation
25	under paragraph (1), the Director shall submit to

1	Congress and make widely available to the public a
2	report that includes—
3	(A) the results of the evaluation; and
4	(B) any recommendations for administra-
5	tive and legislative action that could optimize
6	the effectiveness of the grants awarded under
7	this section.
8	(g) Report by Committee on Equal Opportuni-
9	TIES IN SCIENCE AND ENGINEERING.—
10	(1) In general.—As part of the first report
11	required by section 36(e) of the Science and Engi-
12	neering Equal Opportunities Act (42 U.S.C.
13	1885c(e)) transmitted to Congress after the date of
14	enactment of this Act, the Committee on Equal Op-
15	portunities in Science and Engineering shall in-
16	clude—
17	(A) a description of past and present poli-
18	cies and activities of the Foundation to encour-
19	age full participation of students in rural com-
20	munities in science, mathematics, engineering,
21	and computer science fields; and
22	(B) an assessment of trends in participa-
23	tion of rural students in grades Pre-K through
24	12 in Foundation activities, and an assessment
25	of the policies and activities of the Foundation.

1	along with proposals for new strategies or the
2	broadening of existing successful strategies to-
3	wards facilitating the goals of this Act.
4	(2) Technical correction.—
5	(A) IN GENERAL.—Section 313 of the
6	American Innovation and Competitiveness Act
7	(Public Law 114–329) is amended by striking
8	"Section 204(e) of the National Science Foun-
9	dation Authorization Act of 1988" and insert-
10	ing "Section 36(e) of the Science and Engineer-
11	ing Equal Opportunities Act".
12	(B) APPLICABILITY.—The amendment
13	made by paragraph (1) shall take effect as it
14	included in the enactment of section 313 of the
15	American Innovation and Competitiveness Act
16	(Public Law 114–329).
17	(h) COORDINATION.—In carrying out this section, the
18	Director shall, for purposes of enhancing program effec-
19	tiveness and avoiding duplication of activities, consult, co-
20	operate, and coordinate with the programs and policies of
21	other relevant Federal agencies.
22	(i) Authorization of Appropriations.—There
23	are authorized to be appropriated to the Director—

1	(1) \$8,000,000 to carry out the activities under
2	subsection (a) for each of fiscal years 2022 through
3	2026; and
4	(2) \$12,000,000 to carry out the activities
5	under subsection (b) for each of fiscal years 2022
6	through 2026.
7	SEC. 9. RESEARCHING OPPORTUNITIES FOR ONLINE EDU-
8	CATION.
9	(a) In General.—The Director shall, subject to ap-
10	propriations, award competitive grants to institutions of
11	higher education or nonprofit organizations (or a consor-
12	tium thereof, which may include a private sector partner)
13	to conduct research on online STEM education courses for
14	rural communities.
15	(b) RESEARCH AREAS.—The research areas eligible
16	for funding under this subsection shall include—
17	(1) evaluating the learning and achievement of
18	rural students in grades Pre-K through 12 in STEM
19	subjects;
20	(2) understanding how computer-based and on-
21	line professional development courses and mentor ex-
22	periences can be integrated to meet the needs of
23	educators of rural students in grades Pre-K through
24	12;

1	(3) combining computer-based and online
2	STEM education and training with apprenticeships,
3	mentoring, or other applied learning arrangements;
4	(4) leveraging online programs to supplement
5	STEM studies for rural students that need physical
6	and academic accommodation; and
7	(5) any other activity the Director determines
8	will accomplish the goals of this subsection.
9	(c) Evaluations.—All proposals for grants under
10	this section shall include an evaluation plan that includes
11	the use of outcome oriented measures to assess the impact
12	and efficacy of the grant. Each recipient of a grant under
13	this section shall include results from these evaluative ac-
14	tivities in annual and final projects.
15	(d) Accountability and Dissemination.—
16	(1) EVALUATION REQUIRED.—The Director
17	shall evaluate the portfolio of grants awarded under
18	this section. Such evaluation shall—
19	(A) use a common set of benchmarks and
20	tools to assess the results of research conducted
21	under such grants and identify best practices;
22	and
23	(B) to the extent practicable, integrate
24	findings from activities carried out pursuant to
25	research conducted under this section, with re-

1	spect to the pursuit of careers and degrees in
2	STEM, with those activities carried our pursu-
3	ant to other research on serving rural students
4	and communities.
5	(2) Report on evaluations.—Not later than
6	180 days after the completion of the evaluation
7	under paragraph (1), the Director shall submit to
8	Congress and make widely available to the public a
9	report that includes—
10	(A) the results of the evaluation; and
11	(B) any recommendations for administra-
12	tive and legislative action that could optimize
13	the effectiveness of the grants awarded under
14	this section.
15	(e) COORDINATION.—In carrying out this section, the
16	Director shall, for purposes of enhancing program effec-
17	tiveness and avoiding duplication of activities, consult, co-
18	operate, and coordinate with the programs and policies of
19	other relevant Federal agencies.
20	SEC. 10. DEFINITIONS.
21	In this Act:
22	(1) Director.—The term "Director" means
23	the Director of the National Science Foundation es-
24	tablished under section 2 of the National Science
25	Foundation Act of 1950 (42 U.S.C. 1861).

1	(2) Federal Laboratory.—The term "Fed-
2	eral laboratory" has the meaning given such term in
3	section 4 of the Stevenson-Wydler Technology Inno-
4	vation Act of 1980 (15 U.S.C. 3703).
5	(3) FOUNDATION.—The term "Foundation"
6	means the National Science Foundation established
7	under section 2 of the National Science Foundation
8	Act of 1950 (42 U.S.C. 1861).
9	(4) Institution of Higher Education.—The
10	term "institution of higher education" has the
11	meaning given such term in section 101(a) of the
12	Higher Education Act of 1965 (20 U.S.C. 1001(a)).
13	(5) STEM.—The term "STEM" has the mean-
14	ing given the term in section 2 of the America COM-
15	PETES Reauthorization Act of 2010 (42 U.S.C.
16	6621 note).
17	(6) STEM EDUCATION.—The term "STEM
18	education" has the meaning given the term in sec-
19	tion 2 of the STEM Education Act of $2015$ (42)
20	U.S.C. 6621 note).