114TH CONGRESS 1ST SESSION

H.R. 1020

AN ACT

To define STEM education to include computer science, and to support existing STEM education programs at the National Science Foundation.

- 1 Be it enacted by the Senate and House of Representa-
- ${\it 2\ tives\ of\ the\ United\ States\ of\ America\ in\ Congress\ assembled},$

SECTION 1. SHORT TITLE.

- This Act may be cited as the "STEM Education Act
- 3 of 2015".
- 4 SEC. 2. DEFINITION OF STEM EDUCATION.
- 5 For purposes of carrying out STEM education activi-
- 6 ties at the National Science Foundation, the Department
- 7 of Energy, the National Aeronautics and Space Adminis-
- 8 tration, the National Oceanic and Atmospheric Adminis-
- 9 tration, the National Institute of Standards and Tech-
- 10 nology, and the Environmental Protection Agency, the
- 11 term "STEM education" means education in the subjects
- 12 of science, technology, engineering, and mathematics, in-
- 13 cluding computer science.
- 14 SEC. 3. INFORMAL STEM EDUCATION.
- 15 (a) Grants.—The Director of the National Science
- 16 Foundation, through the Directorate for Education and
- 17 Human Resources, shall continue to award competitive,
- 18 merit-reviewed grants to support—
- 19 (1) research and development of innovative out-
- of-school STEM learning and emerging STEM
- 21 learning environments in order to improve STEM
- learning outcomes and engagement in STEM; and
- 23 (2) research that advances the field of informal
- 24 STEM education.
- 25 (b) Uses of Funds.—Activities supported by grants
- 26 under this section may encompass a single STEM dis-

1	cipline, multiple STEM disciplines, or integrative STEM
2	initiatives and shall include—
3	(1) research and development that improves our
4	understanding of learning and engagement in infor-
5	mal environments, including the role of informal en-
6	vironments in broadening participation in STEM
7	and
8	(2) design and testing of innovative STEM
9	learning models, programs, and other resources for
10	informal learning environments to improve STEM
11	learning outcomes and increase engagement for K-
12	12 students, K–12 teachers, and the general public
13	including design and testing of the scalability of
14	models, programs, and other resources.
15	SEC. 4. NOYCE SCHOLARSHIP PROGRAM AMENDMENTS.
16	(a) Amendments.—Section 10A of the National
17	Science Foundation Authorization Act of 2002 (42 U.S.C
18	1862n-1a) is amended—
19	(1) in subsection (a)(2)(B), by inserting "or
20	bachelor's" after "master's";
21	(2) in subsection (c)—
22	(A) by striking "and" at the end of para-
23	graph (2)(B);
24	(B) in paragraph (3)—

1	(i) by inserting "for teachers with
2	master's degrees in their field" after
3	"Teaching Fellowships"; and
4	(ii) by striking the period at the end
5	of subparagraph (B) and inserting ";
6	and"; and
7	(C) by adding at the end the following new
8	paragraph:
9	"(4) in the case of National Science Foundation
10	Master Teaching Fellowships for teachers with bach-
11	elor's degrees in their field and working toward a
12	master's degree—
13	"(A) offering academic courses leading to
14	a master's degree and leadership training to
15	prepare individuals to become master teachers
16	in elementary and secondary schools; and
17	"(B) offering programs both during and
18	after matriculation in the program for which
19	the fellowship is received to enable fellows to
20	become highly effective mathematics and
21	science teachers, including mentoring, training,
22	induction, and professional development activi-
23	ties, to fulfill the service requirements of this
24	section, including the requirements of sub-

1 section (e), and to exchange ideas with others 2 in their fields."; (3) in subsection (e), by striking "subsection 3 (g)" and inserting "subsection (h)"; 4 (4) by redesignating subsections (g) through (i) 6 as subsections (h) through (j), respectively; and 7 (5) by inserting after subsection (f) the fol-8 lowing new subsection: "(g) Support for Master Teaching Fellows 9 WHILE ENROLLED IN A MASTER'S DEGREE PROGRAM.— A National Science Foundation Master Teacher Fellow may receive a maximum of 1 year of fellowship support while enrolled in a master's degree program as described in subsection (c)(4)(A), except that if such fellow is en-15 rolled in a part-time program, such amount shall be prorated according to the length of the program.". 16 17 (b) Definition.—Section 10(i)(5) of the National 18 Science Foundation Authorization Act of 2002 (42 U.S.C. 19 1862n-1(i)(5)) is amended by inserting "computer science," after "means a science,". Passed the House of Representatives February 25,

2015.

Attest:

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