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(Original Signature of Member)

113TH CONGRESS
1ST SESSION

H. RES. _____

Establishing an academic competition in the fields of science, technology,
engineering, and mathematics among students in Congressional districts.

IN THE HOUSE OF REPRESENTATIVES

Mrs. MILLER of Michigan (for herself and Mr. BRADY of Pennsylvania) sub-
mitted the following resolution; which was referred to the Committee on

RESOLUTION

Establishing an academic competition in the fields of science,
technology, engineering, and mathematics among stu-
dents in Congressional districts.

1 *Resolved,*

2 **SECTION 1. SHORT TITLE.**

3 This resolution may be cited as the “Academic Com-
4 petition Resolution of 2013”.

5 **SEC. 2. FINDINGS.**

6 The House of Representatives finds as follows:

7 (1) STEM (Science, Technology, Engineering,
8 and Mathematics) fields and knowledge have been

1 integral to the development of civilization over the
2 centuries.

3 (2) STEM fields have been, and continue to be,
4 vital to a healthy and thriving United States.

5 (3) STEM fields are even more important in a
6 world and nation of continuous and rapid techno-
7 logical advancements and needs.

8 (4) STEM fields are necessary to ensure a
9 qualified national workforce and growing American
10 economy, and a recent study predicted that one-half
11 of all STEM jobs in 2020 will be related to the field
12 of computer science.

13 (5) A recent study found that less than one-
14 third of eighth graders in the United States showed
15 proficiency in mathematics and science.

16 (6) A recent study found that only 9 States al-
17 lowed computer science courses to count toward high
18 school students' core graduation requirements.

19 (7) A recent study found that only one-third of
20 the bachelor's degrees earned in the United States
21 are in a STEM field.

22 (8) A recent study found that more than one-
23 half of the science and engineering graduate stu-
24 dents in institutions of higher education in the
25 United States are from outside the United States.

1 (9) Efforts to encourage students to work in
2 STEM fields will enhance collaborative efforts be-
3 tween our secondary education systems and STEM-
4 related fields and industries.

5 (10) The global economy demands that the
6 United States continue to lead the world in innova-
7 tion, creativity, and STEM-related research.

8 (11) Bringing together Members of Congress
9 and their younger constituents to participate in ac-
10 tivities that will result in a deeper appreciation for
11 STEM fields will foster enthusiasm for education in
12 the sciences.

13 (12) The support which students will gain
14 through Congressional recognition of their work on
15 STEM-related projects will encourage them to pur-
16 sue career paths in STEM studies and research.

17 (13) It is appropriate for the House of Rep-
18 resentatives to institute a new and worthwhile com-
19 petition to encourage students to participate in
20 STEM studies and research.

21 (14) Rapid technological change means the
22 competition will evolve over time and will challenge
23 students in specialized areas of science, technology,
24 engineering and math to ensure maximum participa-
25 tion. Because of the importance of computer science

1 it would be appropriate to initially challenge stu-
2 dents to develop so-called “apps” for mobile, tablet,
3 and computer platforms.

4 **SEC. 3. CONGRESSIONAL COMPETITION IN SCIENCE, TECH-**
5 **NOLOGY, ENGINEERING, AND MATHEMATICS.**

6 (a) ESTABLISHMENT OF COMPETITION.—There is
7 hereby established an academic competition in the fields
8 of science, technology, engineering, and mathematics
9 which shall be held each year among students in each Con-
10 gressional district.

11 (b) REGULATIONS.—The competition under this reso-
12 lution shall be carried out in accordance with such regula-
13 tions as may be prescribed by the Committee on House
14 Administration, except that the regulations shall permit
15 the office of a Member to seek guidance from outside ex-
16 perts in the fields of science, technology, engineering, and
17 mathematics for the purposes of establishing criteria for
18 the selection of competition judges and for the judgment
19 of competition submissions.