

113TH CONGRESS  
1ST SESSION

# H. RES. 77

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

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## IN THE HOUSE OF REPRESENTATIVES

FEBRUARY 25, 2013

Mrs. MILLER of Michigan (for herself, Mr. BRADY of Pennsylvania, Ms. ESHOO, Mr. ROYCE, Mr. GOODLATTE, Ms. WILSON of Florida, Mr. ISSA, Ms. MATSUI, Mr. SCHOCK, Mr. CONYERS, Mr. NUGENT, Mr. HARPER, Ms. KUSTER, Mr. ROKITA, Mr. GINGREY of Georgia, Mr. RUSH, and Mr. DELANEY) submitted the following resolution; which was referred to the Committee on House Administration

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# RESOLUTION

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

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