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(Original Signature of Member)

119TH CONGRESS  
2D SESSION

**H. R.** \_\_\_\_\_

To support biotechnology education for secondary school students, and for other purposes.

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IN THE HOUSE OF REPRESENTATIVES

Ms. MCBRIDE introduced the following bill; which was referred to the Committee on \_\_\_\_\_

\_\_\_\_\_  
**A BILL**

To support biotechnology education for secondary school students, 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 “Biotechnology for All  
5 High School Students Act”.

6 **SEC. 2. BIOTECHNOLOGY FOR ALL SECONDARY SCHOOL**  
7 **STUDENTS.**

8 (a) IN GENERAL.—Subtitle B of title III of the Re-  
9 search and Development, Competition, and Innovation Act

1 (enacted as division B of Public Law 117–167; popularly  
2 referred to as the “CHIPS and Science Act”) is amended  
3 by inserting after section 10311 (42 U.S.C. 18991) the  
4 following new section:

5 **“SEC. 10311A. BIOTECHNOLOGY FOR ALL SECONDARY**  
6 **SCHOOL STUDENTS.**

7 “(a) IN GENERAL.—The Director, in consultation  
8 with the Secretary of Education and the Consortium es-  
9 tablished pursuant to subsection (f), may make awards on  
10 a competitive, merit-reviewed basis to eligible entities to  
11 support the implementation of new and expansion of exist-  
12 ing biotechnology education for secondary school students,  
13 including such education in informal learning environ-  
14 ments.

15 “(b) APPLICATIONS.—An eligible entity that seeks an  
16 award under subsection (a) shall submit to the Director  
17 an application at such time, in such manner, and con-  
18 taining such information as the Director may require.

19 “(c) USE OF FUNDS.—An award under subsection  
20 (a) may be utilized for any of the following purposes:

21 “(1) Professional development and training in  
22 biotechnology education for teachers of secondary  
23 school students, including with respect to the fol-  
24 lowing:

1                   “(A) Education instruction in a laboratory  
2                   setting.

3                   “(B) Curriculum design.

4                   “(C) Pedagogy.

5                   “(2) Development and distribution of curricula  
6                   and instructional materials related to biotechnology  
7                   education.

8                   “(3) Acquisition of laboratory and instructional  
9                   equipment for biotechnology education.

10                  “(4) Establishment of partnerships between in-  
11                  stitutions of higher education, private sector entities,  
12                  and eligible nonprofit organizations to facilitate bio-  
13                  technology education.

14                  “(5) Development of transferrable and  
15                  stackable biotechnology credentials for such stu-  
16                  dents.

17                  “(6) Any other purpose the Director determines  
18                  appropriate.

19                  “(d) PRIORITY.—The Director may prioritize awards  
20                  under subsection (a) to eligible entities that demonstrate  
21                  a need for, or limited access to, educational resources re-  
22                  lating to biotechnology education.

23                  “(e) OTHER ACTIVITIES.—The Director, in consulta-  
24                  tion with the Secretary of Education and the Consortium

1 established pursuant to subsection (f), may carry out the  
2 following:

3 “(1) Support coordination between Federal,  
4 State, and local efforts regarding the implementation  
5 of new and expansion of existing biotechnology edu-  
6 cation programs for secondary school students.

7 “(2) Promote collaboration between public sec-  
8 tor entities and private sector entities regarding  
9 such implementation and expansion.

10 “(3) Identify and share best practices regarding  
11 such implementation and expansion.

12 “(4) Support professional development and  
13 training referred to in subsection (c)(1) by means  
14 other than an award under subsection (a).

15 “(5) Facilitate access to curricula, resources,  
16 and digital learning tools with respect to such pro-  
17 grams.

18 “(f) NATIONAL BIOTECHNOLOGY EDUCATION CON-  
19 SORTIUM.—

20 “(1) IN GENERAL.—Not later than 180 days  
21 after the date of the enactment of this section, the  
22 Director, in consultation with the Secretary of Edu-  
23 cation, shall establish a consortium, to be known as  
24 the ‘National Biotechnology Education Consortium’  
25 (in this section referred to as the ‘Consortium’), to

1 provide support and recommendations to the Direc-  
2 tor with respect to biotechnology education programs  
3 for secondary school students.

4 “(2) MEMBERSHIP.—The Consortium shall be  
5 composed of not fewer than six members. The Direc-  
6 tor shall seek to appoint members of the Consortium  
7 from the following:

8 “(A) Relevant Federal departments or  
9 agencies.

10 “(B) Eligible entities.

11 “(C) Stakeholders in biotechnology.

12 “(3) SUNSET.—The Consortium shall terminate  
13 on the date that is five years after the date on which  
14 the Consortium is established under paragraph (1).

15 “(g) DEFINITIONS.—In this section:

16 “(1) ELIGIBLE ENTITY.—The term ‘eligible en-  
17 tity’ means any of the following entities:

18 “(A) A State educational agency (as such  
19 term is defined in section 4 of the National  
20 Science Foundation Authorization Act of 2002  
21 (42 U.S.C. 1862n note)).

22 “(B) A local educational agency (as such  
23 term is defined in such section).

24 “(C) An institution of higher education.

1                   “(D) An eligible nonprofit organization (as  
2                   such term is defined in such section).

3                   “(E) A consortium of any of the entities  
4                   described in subparagraphs (A) through (D).

5                   “(2) SECONDARY SCHOOL.—The term ‘sec-  
6                   ondary school’ has the meaning given such term in  
7                   section 8101 of the Elementary and Secondary Edu-  
8                   cation Act of 1965 (20 U.S.C. 7801).”.

9                   (b) CLERICAL AMENDMENT.—Public Law 117–167  
10 is amended in the table of contents in sections 1 and  
11 10000 by inserting after the items relating to section  
12 10311 the following new items:

“Sec. 10311A. Biotechnology for all secondary school students.”.