

JAN 22 2010

A BILL FOR AN ACT

RELATING TO EDUCATION.

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF HAWAII:

1 SECTION 1. The legislature finds that Act 111, Session
2 Laws of Hawaii 2007, established a solid foundation for science,
3 technology, engineering, and mathematics (STEM) education by
4 providing department of education teachers with support for
5 developing curriculum to make science- and math-related
6 curriculum more relevant to current needs in the job market.
7 However, the legislature finds that STEM education efforts still
8 lack sufficient focus and direction.

9 The legislature finds that in 2001, the University of
10 Hawaii at Hilo established a federally funded Experimental
11 Program to Stimulate Competitive Research (Hawaii EPSCoR) to
12 improve research competitiveness and workforce development in
13 STEM fields throughout the State. Act 137, Session Laws of
14 Hawaii 2009, requires Hawaii EPSCoR to develop a Hawaii state
15 science and technology plan to help coordinate efforts to
16 advance STEM education and workforce development in Hawaii.

17 The purpose of this Act is to provide additional guidance
18 to Hawaii EPSCoR as it continues developing the Hawaii state



1 science and technology plan and additional requirements for
2 further coordination and progress in STEM education and
3 workforce development.

4 SECTION 2. Act 137, Session Laws of Hawaii 2009, is
5 amended by amending section 2 to read as follows:

6 "SECTION 2. Hawaii EPSCoR, with the assistance of the
7 high technology development corporation, shall develop a Hawaii
8 state science and technology plan. The Hawaii state science and
9 technology plan shall be statewide and shall include:

10 (1) An evaluation of the effectiveness of past and current
11 science and high technology legislation, including
12 legislation relating to industry development,
13 incentives, oversight, and sustainability;

14 (2) A plan for the direction of Hawaii's science and high
15 technology sector, including:

16 (A) A list of goals established for the science and
17 high technology sector in the state;

18 (B) A plan to reach the established goals; ~~and~~

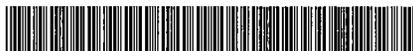
19 (C) A timeline for implementation and completion; and

20 (D) Benchmarks and a five-year timeline for:

21 (i) Developing, increasing, and perpetuating
22 public-private partnerships that promote



- 1 statewide strategic science, technology,
2 engineering, and mathematics priorities;
3 (ii) Increasing student shadowing, practicum, and
4 internship opportunities that provide
5 science, technology, engineering, and
6 mathematics experiential learning benefits;
7 and
8 (iii) Promoting the engagement of the University
9 of Hawaii system and business communities in
10 professional development and mentoring in a
11 broad spectrum of science, technology,
12 engineering, and mathematics fields;
13 (3) Criteria to measure the growth of emerging growth
14 industries in the science and high technology sector;
15 (4) Guidelines for future science and high technology
16 legislation to assist the legislature in maintaining
17 an overall framework to guide the development of
18 science and high technology in the state; and
19 (5) Recommendations or proposals for science and high
20 technology legislation to meet the goals established
21 in the plan."



1 SECTION 3. Hawaii EPSCoR shall collaborate with the
2 department of education and the University of Hawaii to
3 incorporate statewide strategic STEM priorities into the
4 department of education strategic plan and the University of
5 Hawaii system strategic plan, including clear and specific
6 actions and benchmarks to meet those strategic priorities.

7 SECTION 4. Hawaii EPSCoR shall collaborate with the
8 Education Commission of the States to apply for Investing in
9 Innovation Fund grants available through the United States
10 Department of Education to support and expand well-documented,
11 successful STEM-related programs and strategies.

12 SECTION 5. Hawaii EPSCoR, the University of Hawaii system,
13 the department of education, and the business community shall
14 establish an information system to track information on the
15 transition of students studying STEM fields from the classroom
16 to the workplace.

17 SECTION 6. The University of Hawaii system, with the
18 assistance of Hawaii EPSCoR, shall establish a support system
19 that provides advising, counseling, and financial aid services
20 to students engaged in STEM-related studies to pursue and
21 complete degrees in STEM fields.



1 SECTION 7. Hawaii EPSCoR shall create a communication and
2 marketing effort that promotes STEM priorities, recruits
3 students and professionals to STEM programs, and creates
4 awareness in the general public of successful STEM programs and
5 achievements.

6 SECTION 8. Hawaii EPSCoR shall submit a report providing
7 an update on its actions pursuant to sections 3, 4, 5, and 7 of
8 this Act no later than twenty days prior to the convening of the
9 2011 regular session.

10 SECTION 9. The University of Hawaii shall submit a report
11 providing an update on in its actions pursuant to section 6 of
12 this Act no later than twenty days prior to the convening of the
13 2011 regular session.

14 SECTION 10. Statutory material to be repealed is bracketed
15 and stricken. New statutory material is underscored.

16 SECTION 11. This Act shall take effect upon its approval.

17

INTRODUCED BY: Norman Sakuma

Report Title:

STEM; EPSCoR; State Science and Technology Plan

Description:

Provides additional guidance to Hawaii EPSCoR for the Hawaii state science and technology plan and provides additional requirements for further coordination and progress in STEM education and workforce development.

The summary description of legislation appearing on this page is for informational purposes only and is not legislation or evidence of legislative intent.

