

MAR 09 2021

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# SENATE CONCURRENT RESOLUTION

REQUESTING THE HAWAII TECHNOLOGY DEVELOPMENT CORPORATION AND  
LEEWARD COMMUNITY COLLEGE TO STUDY THE FEASIBILITY OF  
ESTABLISHING TECHNOLOGY ACADEMY PROGRAMS AT AIEA HIGH  
SCHOOL AND PEARL CITY HIGH SCHOOL.

1           WHEREAS, the economic disruption caused by the coronavirus  
2 disease 2019 pandemic has illustrated a need to diversify  
3 Hawaii's economy beyond tourism; and  
4

5           WHEREAS, despite the federal government continuing to  
6 provide billions of dollars to individual states for the purpose  
7 of developing economic diversity, Hawaii has failed to lobby  
8 sufficiently for such funds even with the current dire state of  
9 the economy; and  
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11           WHEREAS, significant progress has been made in the past  
12 years through programs supported by federal and state  
13 initiatives, administered by the Hawaii Technology Development  
14 Corporation, however, more is required to move Hawaii's  
15 technology industry to achieve local technology  
16 commercialization; and  
17

18           WHEREAS, innovation in science and technology fields will  
19 support the State's sustainable economic development goals to  
20 include a viable and vibrant technology labor force; and  
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22           WHEREAS, economic growth that benefits all Hawaii residents  
23 depends on enhancing the State's human resources, and providing  
24 students with the necessary knowledge, skills, and experience to  
25 enter an industry they wish to be a part of is an integral part  
26 of developing these human resources; and  
27

28           WHEREAS, over the last two decades, approaches to generate  
29 higher participation and achievement by high school students in  
30 the area of technology have emerged in Hawaii and throughout the



1 United States in the form of technical academies run at selected  
2 high schools; and

3  
4 WHEREAS, the technical academies offer effective contextual  
5 learning, learning in the context of practical applications, and  
6 programs such as project EAST (environmental and spatial  
7 technology) and the foster interest and respect for science and  
8 technology (FIRST) robotics; and

9  
10 WHEREAS, the applied learning academy model mixes high-  
11 quality instruction with practical, project-based contextual  
12 learning experiences that generate enthusiasm among students and  
13 show them the practical application of academic skills; and

14  
15 WHEREAS, to further ensure the success of Hawaii's students  
16 in the area of technology and to decrease the State's dependence  
17 on tourism, the State must continue to provide its students with  
18 appropriate educational opportunities and organizational  
19 environments in which innovative educational programs,  
20 particularly in the fields of science, technology, and  
21 engineering are offered to develop the necessary skills,  
22 knowledge, and experience, as well as nurture the students'  
23 growth; now, therefore,

24  
25 BE IT RESOLVED by the Senate of the Thirty-first  
26 Legislature of the State of Hawaii, Regular Session of 2021, the  
27 House of Representatives concurring, that the Hawaii Technology  
28 Development Corporation and Leeward Community College are  
29 requested to study the feasibility of establishing technology  
30 academy programs at Aiea High School and Pearl City High School  
31 to be administered by Leeward Community College in partnership  
32 with the Department of Education; and

33  
34 BE IT FURTHER RESOLVED that the purpose of the technology  
35 academy programs should be to:

- 36  
37 (1) Motivate and engage students in the fields of science,  
38 technology, and engineering;  
39  
40 (2) Provide the students with effective contextual  
41 learning, learning in the context of practical  
42 applications, and programs, with focus on the most in-



1 demand knowledge, skills, and experience in the fields  
2 of science, technology, and engineering, that would  
3 enable them to pursue post-secondary training and  
4 career options in science, technology, and engineering  
5 disciplines, including but not limited to knowledge,  
6 skills, and experience in alternative energy; dual use  
7 technology, which refers to technology that can be  
8 used for both peaceful and military aims; artificial  
9 intelligence; machine learning; data science and  
10 analytics; data engineering; data visualization;  
11 network and information security (cybersecurity);  
12 cloud computing; extended reality including virtual  
13 reality and augmented reality; internet of things;  
14 user interface and user experience design; mobile  
15 development; blockchain; quantum computing; and  
16 various programming languages; and

- 17  
18 (3) Offer early college credits designed to be accepted at  
19 colleges and universities in the United States,  
20 including the University of Hawaii system; and  
21

22 BE IT FURTHER RESOLVED that the Hawaii Technology  
23 Development Corporation and Leeward Community College, in  
24 collaboration with the Department of Education, are requested to  
25 submit a report of their findings and recommendations, including  
26 any proposed legislation, to the Legislature no later than  
27 twenty days prior to the convening of the Regular Session of  
28 2022, including discussion of the following:  
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- 30 (1) The technology academy programs' admissions process  
31 and student qualifications;  
32  
33 (2) The technology academy programs' programs and  
34 curriculum;  
35  
36 (3) The estimated costs and personnel necessary to  
37 establish, implement, and maintain the technology  
38 academy programs;  
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40 (4) The structure by which the technology academy programs  
41 could offer early college credits acceptable at



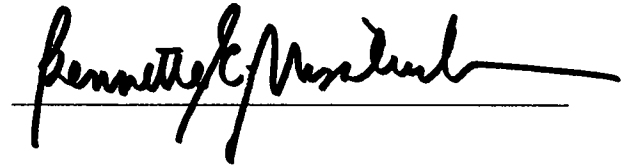
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1 colleges and universities in the United States,  
2 including the University of Hawaii system; and  
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- 4 (5) Any other matters the Hawaii Technology Development  
5 Corporation, Leeward Community College, and the  
6 Department of Education deem appropriate for the  
7 successful establishment, implementation, and  
8 operation of the technology academy programs at Aiea  
9 High School and Pearl City High School; and  
10

11 BE IT FURTHER RESOLVED that certified copies of this  
12 Concurrent Resolution be transmitted to the Director of  
13 Business, Economic Development, and Tourism; Executive Director  
14 of the Hawaii Technology Development Corporation; President of  
15 the University of Hawaii System; Chancellor of Leeward Community  
16 College; Chairperson of the Board of Education; and  
17 Superintendent of Education.  
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OFFERED BY:



A handwritten signature in black ink, appearing to read "Bennett K. Marshall", is written over a horizontal line. The signature is cursive and extends to the right of the line.

