



**DEPARTMENT OF BUSINESS,
ECONOMIC DEVELOPMENT & TOURISM**

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Statement of
THEODORE E. LIU
Director

Department of Business, Economic Development, and Tourism
before the

HOUSE COMMITTEE ON FINANCE

Thursday, February 21, 2008

1:00 PM

State Capitol, Conference Room 308

in consideration of

HB 2587 HD1

**RELATING TO MAKING AN APPROPRIATION TO ESTABLISH
CREATIVITY ACADEMIES.**

Chair Oshiro, Vice-Chair Lee, and members of the Committee.

The Department of Business, Economic Development, and Tourism (DBEDT) strongly supports HB 2587, HD1, as it is also part of the Administration's package (HB 3066 and SB 2988) which would establish Creativity Academies for middle and high school students statewide. This initiative, created in partnership with the University of Hawaii Community Colleges, Hawaii Department of Education-Career and Technical Education Pathways (CTE) program, the science, technology, engineering and math program (STEM) leadership, provides a blended arts and science curriculum that is technology based, to reach a broader spectrum of students statewide.

The Creativity Academies initiative is receiving growing support from digital media, science and math faculty, students in new media arts, as well as the science and technology community. As John Morton, Vice President for Community Colleges at the University of Hawaii noted in his testimony, "It is critical that we adopt new approaches that get an increasing number of students to engage in educational programs that prepare them with the skills necessary for their future success, as well as enabling them to contribute to the expansion of Hawaii's innovation economy."

In a recent gathering of the STEM Leadership Conference, it was noted that Hawaii students experience a sharp decline and interest in math and science, particularly after sixth grade, signaling a need to find new ways to engage young minds in the core skills needed to develop new innovative businesses or find high paying jobs in the future. We must ignite the interest of those students who may learn these core skills better through a more creative learning environment.

By its very nature, Hawaii is a magnet for creativity, nurtured by our natural environment and rich cultural heritage. From our native artisans to the artists who now call Hawaii home, this synergy of elements fosters an environment in which a thriving creative sector can flourish, resulting in high paying jobs and better quality of life for us all.

Development of Hawaii's innovation capacity through programs such as DOE's Career and Technical Education Pathways (CTE), Project EAST on the neighbor islands, Kea'au Middle College High School and Youth Business Center on the Big Island, the Seariders production and digital media programs at Waianae High School have all proven that students are drawn to and succeed when they engage in creative activities. Likewise, the growth and success of University of Hawaii's Academy of Creative Media, Kapiolani Community College's New Media Arts program, and digital media, animation and music programs at our community colleges shows the keen interest of our students in pursuing academic and career paths in these creative sectors.

As pointed out in recent dialogue between KCC STEM leadership, John Rand and Candy Suiso, DOE faculty and creator of the Waianae Seariders program, by blending the science standards and digital media disciplines, a more comprehensive skill set for students will accelerate their potential in the arts and sciences, ensuring their success in these fields.

The Creativity Academies bridges the gaps and provides a pipeline of education with a more holistic approach.

Successful educational institutions are already taking this approach nationally, including the Louisiana School for Mathematics, Science and the Arts, and in higher education, Stanford University with their cross-disciplinary institute, Stanford Institute

for Creativity and the Arts, linking the arts with fields such as engineering, natural sciences and design.

Hawaii has an opportunity to develop and provide a cohesive creativity-based curriculum for middle and high school students with contextual learning in creative exploration (STEM) and creative expression (New Media Arts) at its core. This fusion of the arts and sciences is the fuel that will help provide a pipeline to develop workforce skills in creative problem solving, innovative thinking, as well as postsecondary training and career options in science, technology, math, digital media, interface design, animation, and creative publishing – all key elements to launching and sustaining a career in the twenty-first century economy.

Creativity Academies requests an appropriation of \$1,629, 474 to develop the program, including:

- Conducting an inventory on best and promising practices statewide
- Developing the turn-key curricula
- Implementing teacher training
- Pilot testing the program at Kapiolani Community College, participating feeder schools on Oahu and neighbor island community colleges, middle schools, and high schools

Just as Walt Disney launched generations of “imagineers“, the Creativity Academies will develop generations of innovators in Hawaii by:

- Fostering creativity, innovation, and entrepreneurship.
- Supporting department of education framework to graduate students in the areas of math and science.
- Providing integrated programs from kindergarten through age sixteen to job market, with dual credits for high school students.
- Providing at-risk youth an opportunity to engage in contextual learning in arts and sciences.
- Provide dual credits for participating high school students.
- Creating employment opportunities for UH-ACM and Kapiolani Community College New Media Arts graduates.
- Establishing a pipeline of education in science and the arts K-16.

- Develop more innovation-based companies, entrepreneurs and attract off-shore investments in these areas for Hawaii.

Both the legislature and the administration have agreed that by providing Hawaii's youth with access to education in the areas of science, technology and the creative arts is crucial to the development of our innovation economy. The Creativity Academies provides the opportunity needed for Hawaii's students and future generation of innovators to succeed; locally and globally.

Thank you for this opportunity to address this committee and we urge you to support HB 2587, HD1, and the administration's bills, HB 3066 and SB 2988.

Date of Hearing: February 21, 2008

Committee: House Finance

Department: Education

Person Testifying: Patricia Hamamoto, Superintendent

Title: H.B. 2587, HD1, HSCR287, Making an Appropriation to Establish Creativity Academies

Purpose: Appropriate funds to support the development of the creativity academy program, including a turnkey digital media program.

Department's Position: While the Department of Education (DOE) supports creativity academies, we do not support H.B. 2587, HD1, HSCR287 at this time due to Hawaii's impending fiscal austerity and priority for the current Board of Education's budget requests. The DOE recommends that the creativity academy program be facilitated jointly by the University of Hawaii community college system and the DOE. The continuity and transition from elementary programs to middle school programs to high school programs to postsecondary programs must be aligned to ensure progressive skills and knowledge development and avoid duplication. This program should be included in the Dual Credit Articulated Programs of Study (DCAPS) options for high school students. The DOE recommends that funding for this initiative be transferred from the Department of Business, Economic Development, and Tourism (DBEDT) to the DOE.

The DOE requests the opportunity to work with the committee, DBEDT, and the community colleges to draft the language in this Bill

to ensure current DOE initiatives are not duplicated by the actions proposed in this Bill.



UNIVERSITY OF HAWAII SYSTEM

Legislative Testimony

Testimony Presented Before the
House Committee on Finance
February 21, 2008 at 1:00 pm

by

John Morton

Vice President for Community Colleges, University of Hawai'i

HB 2587, HD1 - MAKING AN APPROPRIATION TO ESTABLISH CREATIVITY ACADEMIES

Chair Oshiro, Vice Chair Lee, and Members of the Committee:

I am here today to testify in support of House Bill 2587, HD1, that makes an appropriation to establish Creativity Academies within public high schools in partnership with the University of Hawai'i Community Colleges.

As described in the bill, the performance of our young people in mathematics and science lags behind the performance of most states. It is critical that we adopt new approaches that get an increasing number of students to engage in educational programs that prepare them with the skills necessary for their future success, as well as enabling them to contribute to the expansion of Hawai'i's innovation economy.

I believe it is our responsibility as educators to provide the enriched environment that allows our people to develop the skills and knowledge that will allow them to fully participate in our economy and society. Over the past decade, the University of Hawai'i Community Colleges, in partnership with a growing number of DOE high schools and various industry groups, have developed a number of successful career-focused academies, including the Cisco Networking Academies, the Construction Academies, and the HiEST Academies that focus on the development of science, technology, engineering, and mathematics (STEM) skills and knowledge. Using contextual based hands-on curricula, these initiatives have increased the engagement of students who have previously not been involved in a rigorous program of study. This, I believe, is what we can expect from the implementation of the Creativity Academies Program.

The mission of Creativity Academies is to provide students with the knowledge, attitudes, and workforce skills in the creative use of applied technology/ Digital Media; skills necessary to become creative, innovative, and entrepreneurial in the 21st century. The fusion and blending of the creative and problem solving processes essential to both the scientific and artistic endeavors as well as in business, health and hospitality endeavors, is the cornerstone of the Creativity Academies and a life skill in the 21st century global community. The Creativity Academies expand existing New Media Arts, STEM and eventually programs in hospitality, business, health, culinary arts, etc. training for students K-12, infusing innovative thinking through contextual

learning in creative areas such as animation, game design and development, interface design and creative writing/publishing.

This initiative is consistent with the planned University system strategic outcomes that include: to develop the educational capital of the state; to develop our workforce; to diversify the economy; and to increase our efforts on behalf of underserved regions and populations, particularly Native Hawaiians.

The University of Hawai'i Community College system is well situated to provide leadership in promoting education in STEM and Digital Media/ New Media Arts programs. Both Honolulu CC and Kapi'olani CC have been innovative and creative in their approaches to developing programs focused on different aspects of STEM and New Media Arts related careers. Most relevant to HB 2587, HD1, Kapi'olani CC has developed and implemented a highly successful STEM Program for high school juniors and seniors. The goals of this program are to enhance the quality of science, technology, engineering and mathematics instructional and outreach programs; to prepare students for STEM careers; and to increase the number of STEM students transferring to 4-year degree programs. Kapi'olani CC's one year old STEM program enrolled 205 students of which 165 are native Hawaiian students. Also, Kapi'olani CC's Digital Media/ New Media Arts Program with 70 majors, has produced students who have won national and international awards for their creative use of an art form that uses technology as its medium. Through programs such as STEM and Digital Media/New Media Arts Program, our Community Colleges are promoting creative thinking, problem solving, and decision making through the sciences and the arts.

The establishment of the Creativity Academies will result in the blending of skill sets in thinking, problem solving, decision making and technology/Digital Media not only to STEM and NMA, but to programs such as hospitality, culinary arts, business, health sciences, etc.

Furthermore, the Creative Academies focus on the creative application of technology and how this technology can be effectively used to teach core skills for the twenty-first century and how this technology can infuse and blend into STEM, the Arts, Hospitality, Health, and Business curricula. This blending and infusing of technology/digital media into STEM will attract students who feel challenged in Math and Science classes to major in STEM disciplines.

If we are to be successful in fixing our leaky educational pipeline, we believe it is important for our colleges to collaborate with the high schools throughout the State. The Creativity Academies Program as well as other similar initiatives, through the efforts of the UHCC system colleges and collaborating high schools, will provide our high school students with new skills to use in the innovation economy, as well as the opportunity to earn dual credit for their academic efforts, making a more efficient use of available resources.

We support HB 2587, HD1, provided that its passage does not replace or adversely impact priorities as indicated in our Board of Regents approved Executive Supplemental Budget.

University of Hawai'i
KAPI'OLANI COMMUNITY COLLEGE
Arts and Sciences Counseling Services

Date: February 20, 2008

To: Representative Marcus Oshiro, Chair
Representative Marilyn Lee, Vice Chair
Members of the House Committee on Finance

From: Teri Durland, Counselor
Kapi'olani Community College

Hearing: House Committee on Finance
Thursday, February 21, 2008 at 1:00 p.m.

Measure: HB 2587-Making an Appropriation to Establish Creativity Academies

Thank you for the opportunity today to present testimony in support HB 2587 and the Administration's bills HB 3066 and SB 2988 which would establish Creativity Academies for high school students statewide. This is an important step in developing the potential of all Hawaii students to compete in the twenty-first century workforce.

The Creativity Academies is a pilot program for high school students where science, technology, engineering and math (STEM) is infused with creative expression (New Media Arts) in an integrated curriculum. Students explore science and mathematics in combination with digital art and animation in an engaging, project-based curriculum. This integrated approach encourages students with passion and skills in digital media to learn and synthesize STEM knowledge, concepts and skills in a new and relevant way. It also offers students directed toward the STEM discipline the opportunity to explore a creative medium to develop and strengthen their learning. Students in the Creativity Academies may earn dual high school and college credit.

For the last five years, I have worked as a counselor at Kapi'olani Community College in two workforce development programs - one in the STEM discipline and one in the New Media Arts discipline. These two programs have collaborated on several on-campus initiatives and I have glimpsed the possibilities of what an integrated STEM and New Media Arts curriculum might look like, especially when it is developed to respond to the unique educational needs of our Hawai'i students.

In the last seven weeks, I've had the opportunity to visit digital media programs on Oahu and Maui, and to learn more about what is offered on the Big Island. I hope to also familiarize myself with the digital media programs on the other islands. The Creativity Academies bill is well positioned to strengthen and enhance these high school programs and provide a better student pathway to the community colleges.

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This fusion of the arts and sciences is the fuel that will help strengthen the pipeline to develop workforce skills in creative problem solving, innovative thinking, as well as post-secondary training and career options in science, technology, math, digital media, interface design, animation, and creative publishing - all key elements to launching and sustaining an exciting career in the twenty-first century economy.

Thank you for allowing me to testify today in support of House Bill 2587.

University of Hawai'i

K A P I ' O L A N I C O M M U N I T Y C O L L E G E

Arts and Sciences Division

Sharon Sussman

KCC | Arts & Humanities

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ssussman@hawaii.edu

February 5, 2008

To: Representative Marcus R. Oshiro, Chair,
Representative Marilyn B. Lee, Vice Chair, and
Members of the House Committee on Finance

Thank you for the opportunity to submit testimony in support of the HB 2587 and the Administration's bills HB 2587 which would establish Creativity Academies for middle and high school students statewide. This is an important step in developing the potential of all of our students to compete in the twenty-first century workforce.

I have been a professor of New Media Arts/Animation at Kapi'olani Community College (KCC) for the past five years. I came here from a 6-yr tenure at DreamWorks Feature Animation in Los Angeles. I came expecting to teach a skill. I stay because I see how greatly I affect young lives.

My students describe how the New Media Arts (NMA) program at KCC has changed the direction of their lives. They have expressed how their high school years would have been years of engagement rather than years of indifference had they had a program like NMA at the high school level. They describe KCC's New Media Arts program as a turning point from failure to success. These students found their way back to college, but where are the ones that did not?

The Creativity Academies program can not only catch at risk students with the allure of digital art and animation, but with the integration of Science, Technology, Engineering and Math (STEM) at the core of this curriculum, it may open doors that might never have been possible. This innovative program will help students develop math and science skills in tandem with digital art and animation tools. This has the potential to bring these students to the top of the career ladder in animation or to open math and science doors that were seemingly unattainable to them.

This fusion of the arts and sciences is the fuel that will help provide a pipeline to develop workforce skills in creative problem solving, innovative thinking, as well as postsecondary training and career options in science, technology, math, digital media, interface design, animation, and creative publishing – all key elements to launching and sustaining a career in the twenty-first century economy.

I strongly urge you to support House Bill 2587. Thank you for this opportunity to testify.

Sincerely,
Sharon Sussman
Assistant Professor, New Media Arts

FEBRUARY 20, 2009

MEMO

TO: Rep. Oshiro, Rep. Lee, Members of Finance
FROM: Jim Shon, Executive Director - HiTech Quest

RE: HB 2587 HD 1
Thursday, Feb 21, 2008
1pm Room 308

POSITION: Hi Tech Quest Support the INTENT of SB 2587, with the following strong Reservations. WE STRONGLY SUPPORT THE APPROACH OF THE BILL, especially the Findings and Purpose. However, yet another initiative unrelated to earlier ones may not be as successful as hoped.

- A. You need to ALSO follow-thru on last year's STEM initiatives.
- B. You need to coordinate all efforts with other issues such as schools in status, existing STEM programs, and teacher workforce retention and professional development schools.
- C. You need to clarify how HB 2587 HD 1 related to last year's initiatives. Is it the same? Different?
- D. You need to back off of the specifics on page 11. Let the BOE and the DOE determine the details of any program.

SPECIFIC RECOMMENDATIONS

1. ENCOURAGE THIRD-PARTY FACILITATORS TO ENSURE THAT STEM and CREATIVITY ACADEMIES CAN MOVE FORWARD; AND
2. PRIORITIZE STEM, CREATIVITY AND TEACHER WORKFORCE DEVELOPMENT TO TARGET SCHOOLS THAT NEED BOTH.
3. ACCOMPLISH ALL OF THESE IN THE FINDINGS AND PURPOSES OF VARIOUS RELATED BILLS, AND BY ADDING "PROVIDED THAT..." LANGUAGE TO THE FUNDING SECTIONS OF BILLS TO REQUIRE COORDINATION AND TARGETING OF LIMITED RESOURCES.

For a number of years HiTech Quest has been involved in facilitating project-based learning in Hawaii's schools AND promoting technology literacy. (Please see attached sheet for a summary of our activities.) **THIS BILL EMBODIES MANY OF THE INITIATIVES AND PERSPECTIVES HELD BY HiTech Quest.**

The HiTech Quest would like to address two current initiatives, namely, (1) successful follow through of the STEM initiatives of 2007, and (2) the linking of ongoing programs such as

A non -profit organization whose mission is to use contextual and project-based learning experiences in conjunction with the secondary education and business communities to help build a strong technology workforce in Hawaii. 1

the STEM initiatives, the Science Fair Project EAST, etc. and teacher turnover data with workforce development.

Workforce Development linking STEM and Hi Tech Businesses.

We have observed that the time and financial constraints on schools often inhibits efforts to bring innovative programs to students that are often best delivered **outside of the traditional school scheduled day**. Recently, the State of Hawaii embarked on an ambitious effort to promote Science, Technology, Engineering and Math (STEM) in our public schools and college campuses. The following table lists the specific items and their appropriations.

| Initiatives | Act number | FY 08 | FY 09 |
|---|------------------|-------------|-------------|
| 1. FIRST Academy middle schools (includes robotics, botball, RET) UH College of Engineering | Act 111 (SB 885) | \$1,402,230 | \$1,402,230 |
| 2. Hi-EST Academy pilot Program UH Community Colleges | Act 111 | \$287,750 | \$287,750 |
| 3. Applied Learning High School Academies | Act 111 | \$110,000 | \$110,000 |
| 4. Business/Education Internships | Act 111 | \$110,000 | \$110,000 |
| 5. Teacher Professional Development in STEM subjects | Act 111 | \$175,000 | \$175,000 |
| 6. Recruiting STEM graduates to teaching | Act 111 | \$175,000 | \$175,000 |
| 7. Expansion of Project EAST | Act 271 | \$1,100,000 | |
| 8. Matching state funds for dual-use companies (jobs for STEM grads) | Act 267 | \$5,000,000 | |
| 9. "Kama 'aina Come Home" recruitment. | Act 213 | \$125,000 | |
| 10. Office of Aerospace Development and PISCES at UH Hilo (jobs for STEM grads) | Act 149 | \$500,000 | |
| 11. Support for UH School of Medicine, cancer Research Center of Hawaii | Act 213 | \$3,634,725 | \$3,953,817 |
| 12. Support for SOEST/College of Engineering | Act 213 | \$830,000 | \$830,000 |
| 13. Funding to continue the Science Fair | Act 213 | \$250,000 | |

In order for this to bear real fruit in the near term, there is the need for a third party to facilitate, coordinate, and broker the partnerships between schools, colleges, client organizations, and the business community. We have found that while continued growth in STEM-related school activities is expected, there may be many schools, teachers and students who do not have the contacts, time or knowledge of how to reach out and partner with local business and technology mentors and project sponsors.

HiTech Quest has found that the assistance of **third party facilitators** can be a welcome component to these initiatives. HiTech Quest is currently exploring opportunities to incorporate project based learning into the Senior Project, as well as to assist in the State's efforts to promote STEM learning. We are sure there are other organizations that can play a similar role.

A brief review of participation in the **State level science fair** provides some indication of the challenges that many schools may face in evaluating their ability to add STEM experiential learning programs to already overburdened efforts to comply with NCLB.

DOE High School Participation in the 2007 State Science Fair

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| Complex | Participating | Not Participating |
|----------|---------------|-------------------|
| Central | 2 | 5 |
| Hawaii | 4 | 5 |
| Honolulu | 2 | 4 |
| Kauai | 2 | 1 |
| Leeward | 3 | 4 |
| Maui | 2 | 5 |
| Windward | 2 | 2 |
| TOTALS | 17 | 26 |

As you can see, a presumably feeder system for workforce development in the sciences still leaves many high schools without representative at the highest level of scientific project-based learning.

DOE Intermediate/Middle Participation

| Complex | Participating | Not Participating |
|----------|---------------|-------------------|
| Central | 2 | 3 |
| Hawaii | 4 | 4 |
| Honolulu | 0 | 9 |
| Kauai | 3 | 0 |
| Leeward | 2 | 4 |
| Maui | 4 | 2 |
| Windward | 1 | 3 |
| TOTALS | 16 | 25 |

The Hawaii Educational Policy Center report on teacher workforce development referenced includes a comprehensive list of hard to staff schools. **These should also be considered in targeting your resources.** This chart can be used to identify Title I schools in status (such as restructuring) that have higher teacher turnover. These middle/intermediate and high schools, might be candidates for the highest priority of resources and support in STEM related experiential activities. Title I schools would also have students eligible for TANF funding.

Teacher Demographics in Hard-to-Staff Schools

| School | 2005 % Class Not Taught by HQT | 2006 % Class Not Taught by HQT | 2006 % Teacher Transfer | 2006 % Teacher Leaving | Total % Turnover | DOE Hard-to-Staff School | DOE District | DOE Complex | DOE NCLB Status |
|----------------------|--------------------------------|--------------------------------|-------------------------|------------------------|------------------|--------------------------|--------------|-------------|-----------------|
| Hilo Intermediate | 31.9% | 32.4% | 12.8% | 12.8% | 25.5% | | Hawai'i | Hilo | Restruct. |
| Nanakuli HS | 58.3% | 41.6% | 7.7% | 11.0% | 18.7% | x | Leeward | Nanakuli | Restruct. |
| Waianae Intermediate | 48.3% | 45.9% | 6.5% | 11.7% | 18.2% | x | Leeward | Waianae | Restruct. |
| Waianae HS | 57.7% | 41.7% | 5.4% | 12.2% | 17.7% | x | Leeward | Waianae | Restruct. |
| Wahiawa MS | 49.6% | 19.6% | 4.6% | 12.1% | 16.7% | | Central | Leilehua | Restruct. |

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| | | | | | | | | | |
|--------------|-------|-------|-------|-------|-------|---|---------|-----------|-------------------|
| Kapaa HS | 39.3% | 30.7% | 5.0% | 11.3% | 16.3% | | Kauai | Kapaa | Correct Action |
| Molokai HS | 71.3% | 21.5% | 5.3% | 10.6% | 15.8% | x | Maui | Molokai | Plan for Restruct |
| Kapaa MS | 42.9% | 37.6% | 1.9% | 13.5% | 15.4% | | Kauai | Kapaa | Correct Action |
| Konawaena MS | 53.3% | 22.2% | 10.0% | 5.0% | 15.0% | | Hawai'i | Konawaena | |

| | | | | | | | | | |
|----------------------|-------|-------|-------|-------|-------|---|----------|--------------|--------------------|
| Kohala MS | 11.6% | 25.5% | 14.3% | 0.0% | 14.3% | x | Hawai'i | Kohala | Correct Action |
| Central MS | 11.9% | 15.7% | 14.3% | 0.0% | 14.3% | | Honolulu | McKinley | Restruct. |
| Mililani HS | 28.5% | 20.0% | 5.0% | 9.3% | 14.3% | | Central | Mililani | Restruct. |
| Lahaina Intermediate | 59.3% | 41.7% | 4.7% | 9.3% | 14.0% | | Maui | Lahaina-luna | Correct Action |
| Honokaa HS | 40.8% | 13.7% | 8.3% | 5.0% | 13.3% | | Hawai'i | Kohala | Correct Action |
| Konawaena HS | 29.7% | 26.4% | 7.2% | 5.8% | 13.0% | | Hawai'i | Konawaena | Correct Action |
| Kalakaua MS | 24.3% | 21.4% | 11.3% | 1.6% | 12.9% | | Honolulu | Farrington | Plan for Restruct. |
| Waiakea HS | 25.3% | 19.1% | 5.7% | 6.9% | 12.6% | | Hawai'i | Waiakea | |
| Campbell HS | 34.3% | 31.1% | 4.1% | 8.3% | 12.4% | | Leeward | Campbell | Correc Action |
| Niu Valley MS | 16.1% | 7.7% | 11.1% | 0.0% | 11.1% | | Honolulu | Kaiser | |
| Molokai MS | | | 0.0% | 10.5% | 10.5% | x | Maui | Molokai | Restruct. |
| Washington MS | 9.9% | 21.7% | 5.7% | 4.3% | 10.0% | | Honolulu | Kaimuki | Correct Action |

In examining this type of data set, it may be possible to **prioritize limited funding**, and to leverage existing funding sources (TANF, Title I, STEM, after school hour program funds, etc.) An important challenge this year is that many of the educational initiatives are not coordinated. Should HB 2959 pass in one form or another, efforts should be made to link the implementation of various program initiatives to maximize leverage and effectiveness of fund.

List of Educational Initiatives in 2008

1. **Coping with NCLB, especially high turnover, hard to staff schools in poor areas.**
2. **Early Education**
3. **Additional STEM funding through TANF**
4. **Teacher workforce development: College Capacity**
5. **Teacher workforce retention: mentoring and other support**
6. **Infrastructure, repair and maintenance of higher education, esp. College of Education**
7. **New infrastructure and facilities K-12 DOE.**
8. **New ways to assist charter schools in leveraging public and private funds for facilities.**
9. **Tracking students through the P-20 pipeline and providing transition programs.**
10. **Workforce Development in Hi Tech fields.**

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Most of these are compartmentalized. Funding and implementation are often not connected, and prioritization is often at the subsystem level. Legislative treatment does not appear to attempt linkages, even during a year with fiscal challenges.

Sincerely,
Jim Shon
Executive Director

See Attachment further explaining HiTech Quest

About HiTech Quest

Over the past five years HTQ has sponsored more than 250 projects involving 649 students from 33 schools (public, private and home school). More than \$100,000.00 in scholarship money and software prizes has been awarded in recognition of the student's accomplishments.

The 2007 HiTech Quest Strategic Plan calls for:

- Recruiting Teacher Coordinators with Project Learning Teams
- Coordination and execution of HTQ Project Showcase Technology-focused enrichment programs to enable youth to develop additional skills that will enable them to be successful in the technology industry.
- The technology-focused enrichment programs will challenge students to develop additional technical skills. Because the programs are project-based in a real-world context, the participants develop an understanding of what will take to be successful in a career in this highly competitive, ever changing industry.

In this context HiTech Quest serves as a "case manager" to facilitate partnerships between businesses, sponsors and foundations willing to invest in education, client organizations needing a service, a teacher with a student project learning team, and a business mentor for the learning team. Specifically, HTQ provides:

- Administration support and technical assistance for Project Learning Teams in High Schools
- Recruiting & coordination for Volunteer Business Mentors
- Funding for Teacher Coordinators
- Recruiting client organizations and sponsor organizations
- Recruiting Teacher Coordinators with Project Learning Teams
- Coordination and execution of HTQ Project Showcase
-

For High School Teachers and Learning Teams, HiTech Quest Provides

- Project-based, real-world, hands-on educational experiences
- Ties to local business community – the viability of a career in Hawai'i
- Leadership skills in technology
- Teacher Training in project-based learning strategies and techniques
- Additional income
- Investment in technologies and capabilities for the classroom
- Opportunities for after school and vacation engagement

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FINtestimony

From: diana nicholette jeon [jeon@hawaii.edu]
Sent: Wednesday, February 20, 2008 3:28 PM
To: FINtestimony
Cc: diana nicholette jeon

Diana Nicholette Jeon

Lecturer in New Media Arts
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February 20, 2008

**To: HOUSE OF REPRESENTATIVES
THE TWENTY-FOURTH LEGISLATURE
REGULAR SESSION OF 2008**

FINANCE COMMITTEE

Rep. Marcus R. Oshiro, Chair
Rep. Marilyn B. Lee, Vice Chair

From: Diana Nicholette Jeon, Lecturer, KCC New Media Arts

**HB No. 2587, HD 1: Making an Appropriation to Establish
Creativity Academies**

I am writing to offer testimony in complete support of HB 2587 , which would establish Creativity Academies for middle and high school students statewide. These proposed academies would serve a critical role in developing our youth in the areas of science and creative technology, an important step in building the potential of all of our students to compete in the knowledge economy of the twenty-first century.

As a lecturer within the New Media Arts program at Kapi'olani Community College, I witness the demand for more education in the areas of art and technology. The establishment of Creativity Academies would meet this demand in accordance with the Hawaii legislature and administration's recognition of the value of education in the creative arts as critical to our future workforce development.

The Creativity Academies would provide a unique opportunity for middle and high school students to become involved in and excited about both art-driven technology careers and post-secondary education at a critical juncture in their development. Kapi'olani Community College's expertise in the STEM (Science, Technology, Engineering, and Math) program has already shown significant success using an inter-disciplinary curriculum; this will serve as a model for the proposed Creativity Academies.

As a citizen in this great State of Hawai'i, I hear much about the opportunities we have to create economic growth via paths other than our slowing tourism industry. This is surely one of those opportunities, allowing us to plant seeds that will encourage and fuel new channels in our economy. By creating a curriculum and learning environment that combines the arts and sciences, the Creative Academies will provide a framework that will encourage students to pursue post-secondary education and to develop workforce skills in creative problem solving, innovative thinking, science and technology. These are essential elements necessary to sustain a career in, and help to further build and develop, Hawaii's growing creative economy. I cannot understate how important I feel the latter is in helping to stem the loss of our best and brightest youth to jobs in the continental US.

Finally, as the mother of an 8-year old son who shows the promise of

growth in his budding enjoyment in both science and art, these are exactly the types of opportunities I want available to him as he continues his educational journey. Please fund this initiative, for the betterment of the future of our keiki.

Thank you for allowing me to provide testimony in support of HB 2587, which would establish Creativity Academies for middle and high school students statewide.

Regards,

Diana Nicholette Jeon

To Chair Oshiro and Distinguished Members of the Committee:

I am writing to voice my strong support for House Bill 2587, Making an Appropriation to Establish Creativity Academies. I feel this initiative will provide a major stimulus to digital media education in Hawaii. There is such a wealth of untapped talent and enthusiasm locally; this multi-tiered approach is the first step in developing a workforce to power emerging sectors of the local economy. We must recognize that 3D animation and digital media in general, are powerful tools for communication and problem solving. They can be used to tell compelling stories (film, television, videogames) or they can be applied to complex design challenges (architecture, biomedical visualization, engineering, military simulation, rapid prototyping, urban planning, the list goes on and on). By providing an innovative curriculum that encompasses both STEM and New Media Arts, the Creativity Academies will promote a progressive integration of art and science. This will enable the next generation to effectively utilize technology to solve complex artistic/scientific challenges, and communicate effectively with diverse media. It's important as we conceptualize the role of digital media in education to recognize that young people have a profound aptitude for and curiosity about technology. The Creativity Academies will provide Hawaii's youth with practical, hands-on training and will leverage the unique capabilities of the UHCC System and DOE.

I have served as an educator in the field of new media arts for over five years and have been involved with computer graphics for over a decade. As a professor in the New Media Arts Program at Kapi'olani Community College, I have witnessed firsthand the dramatic impact that digital media education can have on Hawaii's youth. Graduates from the program have gone on to work for leading local, national, and international companies in the Arts & Entertainment sector, including: Atlantis Cyberspace, Electronic Arts, Konami Computer Entertainment, Madskill Productions, Pacific Focus, Polygon Pictures, Sprite Entertainment, and Ubisoft. The fusion of creativity and high tech skills empowers students to pursue rewarding careers and contribute to the diverse industries that utilize digital media.

Hawaii's need for greater economic diversification is well known. Events of the recent past (9/11, SARS, etc.) have demonstrated how concentrated and consequently precarious the local economy is. The twin engines of tourism and defense spending cannot provide the requisite high-skilled living-wage job opportunities to sustain future growth. Hawaii needs to invest in innovative educational initiatives to help generate robust new industries that can thrive in an increasingly competitive global economy. The Creativity Academies initiative is ideally suited to this objective; it will provide students with cutting edge workforce skills in Science, Technology, Engineering and Math and Digital Media/ New Media Arts. The aforementioned skills are at the core of emerging knowledge based industries. For example, the entertainment sector has undergone unprecedented growth in the past few years, creating strong demand for artists with high-tech skills. In a 2004 study, the US Department of Labor projected a 39.5% increase in multimedia and computer animation related jobs in the next decade. By establishing the Creative Academies, we will provide Hawaii's youth with the opportunity to profit from this growth and succeed in an era of rapid technological change. Thank you for the opportunity to testify in support of House Bill 2587.

Sincerely:

Joseph Tremonti

FINtestimony

From: Chris Gargiulo [gargiulo@hawaii.edu]
Sent: Wednesday, February 20, 2008 10:47 AM
To: FINtestimony
Subject: Testimony for HB No. 2587, Making an Appropriation to Establish Creativity Academies

Chris Gargiulo
Instructor in New Media Arts
Kapi'olani Community College
4303 Diamond Head Road
Honolulu, HI 96816
gargiulo@hawaii.edu

February 20th, 2008

To: HOUSE OF REPRESENTATIVES
THE TWENTY-FOURTH LEGISLATURE
REGULAR SESSION OF 2008

COMMITTEE ON FINANCE
Rep. Marcus R. Oshiro, Chair
Rep. Marilyn B. Lee, Vice Chair

From: Chris Gargiulo, Instructor KCC New Media Arts

HB No. 2587, Making an Appropriation to Establish Creativity Academies

I am writing to offer testimony in support of HB 2587 and the Administration's bills HB3066 and SB2988 which would establish Creativity Academies for middle and high school students statewide. This is an important step in developing the potential of all of our students to compete in the twenty-first century workforce.

As an interface design teacher within the New Media Arts program at Kapi'olani Community College, I am familiar with the demand for more education in the areas of art, new media, and all related creative local industry sectors associated with digital arts such as animation, web design, graphic design, digital video, film, etc. HB 2587 and the establishment of Creativity Academies seek to meet this demand in accordance with the Hawaii legislature and administration's recognition of the value of education in the creative arts as critical to our future workforce development.

Creativity Academies are an interesting and unique opportunity for middle and high school students to synergize their interests across multiple disciplines. Addressing the intersection of science, technology, engineering, and math, some of the areas of study and application may include computer animation, gaming, graphic design, web design, digital filmmaking, robotics, geographic information systems, medical imaging, biotechnology, and a wide range of sciences including the many natural, physical, and social sciences studied today. Kapi'olani Community College's STEM (Science, Technology, Engineering, and Math) program has already had great success with students using a turnkey interdisciplinary curriculum that will act as a model for the curriculum that will be developed for the proposed Creativity Academies.

Most importantly, Creativity Academies will provide the opportunity needed for Hawaii's students to

succeed in our growing creative economy and for the state of Hawaii's innovative economy to flourish. By creating a curriculum and learning environment that combines the arts and sciences, the goal is to provide a framework of study that will encourage students to continue their post-secondary education and to develop workforce skills in creative problem solving, innovative thinking, science, technology, math, digital media, interface design, animation, and creative publishing – all key elements necessary to sustain a career in Hawaii's growing creative economy. Technology has evolved at a rapid rate over the past century and has had a huge impact on our lives as humans and how we see the world. Creativity Academies seeks to embrace technology and to introduce to students how the creative use of technology can change our lives, careers, and ultimately improve the world that we live in today.

Thank you for allowing me to provide testimony in support of HB 2587 and the Administration's bills HB3066 and SB2988 which would establish Creativity Academies for middle and high school students statewide.

Sincerely,

Chris Gargiulo

FINtestimony

From: Amanda Jutte [jutte@hawaii.edu]
Sent: Wednesday, February 20, 2008 11:13 AM
To: FINtestimony
Subject: HB No. 2587

February 20th, 2008

To: HOUSE OF REPRESENTATIVES
THE TWENTY-FOURTH LEGISLATURE
REGULAR SESSION OF 2008

COMMITTEE ON FINANCE

Rep. Marcus R. Oshiro, Chair
Rep. Marilyn B. Lee, Vice Chair

From: Amanda Jutte, KCC New Media Arts student

HB No. 2587, Making an Appropriation to Establish Creativity Academies

I am writing to offer testimony in support of HB 2587 and the Administration's bills HB3066 and SB2988 which would establish Creativity Academies for middle and high school students statewide.

As an interface design student within the New Media Arts program at Kapi'olani Community College, I would like to see more educational opportunities for middle and high school students in the areas of art, new media, and all related creative local industry sectors associated with digital arts such as animation, web design, graphic design, digital video, film, etc. HB 2587 and the establishment of Creativity Academies seek to meet this demand in accordance with the Hawaii legislature and administration's recognition of the value of education in the creative arts as critical to our future workforce development.

Creativity Academies will be helpful for young students to develop workforce skills in creative problem solving, innovative thinking, science, technology, math, digital media, interface design, animation, and creative publishing - all key elements necessary to sustain a career in Hawaii's growing creative economy.

Thank you for allowing me to provide testimony in support of HB 2587 and the Administration's bills HB3066 and SB2988 which would establish Creativity Academies for middle and high school students statewide.

Sincerely,

Amanda Jutte

FINtestimony

From: Kathleen Uno [kyamamur@hawaii.edu]
Sent: Wednesday, February 20, 2008 11:10 AM
To: FINtestimony
Subject: I support HB No. 2587, Making an Appropriation to Establish Creativity Academies

February 20th, 2008

To: HOUSE OF REPRESENTATIVES
THE TWENTY-FOURTH LEGISLATURE
REGULAR SESSION OF 2008

COMMITTEE ON FINANCE

Rep. Marcus R. Oshiro, Chair

Rep. Marilyn B. Lee, Vice Chair

From: Kathleen Uno, KCC New Media Arts student

HB No. 2587, Making an Appropriation to Establish Creativity Academies

I am writing to offer testimony in support of HB 2587 and the Administration's bills HB3066 and SB2988 which would establish Creativity Academies for middle and high school students statewide.

As an interface design student within the New Media Arts program at Kapi'olani Community College, I would like to see more educational opportunities for middle and high school students in the areas of art, new media, and all related creative local industry sectors associated with digital arts such as animation, web design, graphic design, digital video, film, etc. HB 2587 and the establishment of Creativity Academies seek to meet this demand in accordance with the Hawaii legislature and administration's recognition of the value of education in the creative arts as critical to our future workforce development.

Creativity Academies will be helpful for young students to develop workforce skills in creative problem solving, innovative thinking, science, technology, math, digital media, interface design, animation, and creative publishing - all key elements necessary to sustain a career in Hawaii's growing creative economy.

I believe that there are great opportunities for careers in the digital art field. Having graduated from the University of Hawaii at Manoa with a Bachelor's degree in Art, I found myself unsure if I would be able to find a sustainable career in my chosen field. Although I studied traditional media at UH, after graduating, I found a job that involved digital media. I feel that it is important to make high school students who are interested in creative careers aware that there are jobs out there and give them an opportunity to experience working with digital media.

My experiences in Kapi'olani Community College's New Media Arts Program has been invaluable. The curriculum is intense, teacher's extremely knowledgeable, and my fellow students very talented and driven. We in the program are grateful for the opportunity to gain digital skills while being able to live in Hawaii. The fact that there is such a

quality program here in Hawaii is amazing and terrific! I would love for all middle and high school students to know about the New Media Program here in Hawaii and be able to take advantage of it.

Thank you for allowing me to provide testimony in support of HB 2587 and the Administration's bills HB3066 and SB2988 which would establish Creativity Academies for middle and high school students statewide.

Sincerely,

Kathleen Uno.

FINtestimony

From: Clint_Gima/MAUIHS/HIDOE@notes.k12.hi.us
Sent: Wednesday, February 20, 2008 12:06 PM
To: FINtestimony
Subject: HB2587 HD1

My name is Clint Gima and I have been a teacher of digital media/creative media for the past 12 years at Maui High School. I am writing in support of **HB2587 HD1**. It is this type of legislation that will allow creative media teachers to continue to collaborate and expand the opportunities for all students.

I started teaching video production when computer based editing was only found in multimillion dollar facilities and the cameras we could afford were the size of a small suitcase. Since then, I have met many other teachers from across the State who share the same passion of providing creative and productive learning experiences for our students through media production. **HB2587 HD1** will allow us to continue our collaboration and help with the implementation of our common vision of expanding our existing creative media programs. Support from **HB2587 HD1** will allow successful existing programs to begin training other teachers to begin their own programs at their schools. Currently we have willing teacher trainers located on Kauai, across Oahu, Maui, and now Hilo. At the same time, graduates from these programs can seamlessly flow into the creative media programs at the University of Hawaii and it's community colleges. This will allow students to stay in Hawaii to attend college and eventually creating a continuous and well trained work force for the growing creative media industry.

HB2587 HD1 can be a conduit for our students and the State of Hawaii's economy. I urge you to please support it.

Thank-you,

Clint Gima

FINtestimony

From: Alana Nakahara [alanan@hawaii.edu]
Sent: Wednesday, February 20, 2008 1:01 PM
To: FINtestimony
Subject: Making an Appropriation to Establish Creativity Academies

February 20th, 2008

To: HOUSE OF REPRESENTATIVES

THE TWENTY-FOURTH LEGISLATURE

REGULAR SESSION OF 2008

COMMITTEE ON FINANCE

Rep. Marcus R. Oshiro, Chair

Rep. Marilyn B. Lee, Vice Chair

From: Alana Nakahara, KCC New Media Arts student

HB No. 2587, Making an Appropriation to Establish Creativity Academies

I am writing to offer testimony in support of HB 2587 and the Administration's bills HB3066 and SB2988 which would establish Creativity Academies for middle and high school students statewide.

As an interface design student within the New Media Arts program at Kapi'olani Community College, I would like to see more educational opportunities for middle and high school students in the areas of art, new media, and all related creative local industry sectors associated with digital arts such as animation, web design, graphic design, digital video, film, etc. HB 2587 and the establishment of Creativity Academies seek to meet this demand in accordance with the Hawaii legislature and administration's recognition of the value of education in the creative arts as critical to our future workforce development.

Creativity Academies will be helpful for young students to develop workforce skills in creative problem solving, innovative thinking, science, technology, math, digital media, interface design, animation, and creative publishing - all key elements necessary to sustain a career in Hawaii's growing creative economy.

Thank you for allowing me to provide testimony in support of HB 2587 and the Administration's bills HB3066 and SB2988 which would establish Creativity Academies for middle and high school students statewide.

Sincerely,

Alana Nakahara

FINtestimony

From: Mark Anthony Pascua [mapascua@hawaii.edu]
Sent: Wednesday, February 20, 2008 12:57 PM
To: FINtestimony
Subject: Support Creative Academies

February 20th, 2008

To: HOUSE OF REPRESENTATIVES
THE TWENTY-FOURTH LEGISLATURE
REGULAR SESSION OF 2008

COMMITTEE ON FINANCE

Rep. Marcus R. Oshiro, Chair

Rep. Marilyn B. Lee, Vice Chair

From: Mark-Anthony Pascua, KCC New Media Arts student

HB No. 2587, Making an Appropriation to Establish Creativity Academies

I am writing to offer testimony in support of HB 2587 and the Administration's bills HB3066 and SB2988 which would establish Creativity Academies for middle and high school students statewide.

As an interface design student within the New Media Arts program at Kapi'olani Community College, I would like to see more educational opportunities for middle and high school students in the areas of art, new media, and all related creative local industry sectors associated with digital arts such as animation, web design, graphic design, digital video, film, etc. HB 2587 and the establishment of Creativity Academies seek to meet this demand in accordance with the Hawaii legislature and administration's recognition of the value of education in the creative arts as critical to our future workforce development.

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Thank you for allowing me to provide testimony in support of HB 2587 and the Administration's bills HB3066 and SB2988 which would establish Creativity Academies for middle and high school students statewide.

Sincerely,

Mark-Anthony Pascua

FINtestimony

From: Frederick Fabian [ffabian@hawaii.edu]
Sent: Wednesday, February 20, 2008 4:41 PM
To: FINtestimony
Subject: Creativity Academies

To: HOUSE OF REPRESENTATIVES
THE TWENTY-FOURTH LEGISLATURE
REGULAR SESSION OF 2008

COMMITTEE ON FINANCE

Rep. Marcus R. Oshiro, Chair
Rep. Marilyn B. Lee, Vice Chair

From: Derick Fabian, KCC New Media Arts student

HB No. 2587, Making an Appropriation to Establish Creativity Academies

I am writing to offer testimony in support of HB 2587 and the Administration's bills HB3066 and SB2988 which would establish Creativity Academies for middle and high school students statewide.

As an interface design student within the New Media Arts program at Kapi'olani Community College, I would like to see more educational opportunities for middle and high school students in the areas of art, new media, and all related creative local industry sectors associated with digital arts such as animation, web design, graphic design, digital video, film, etc. HB 2587 and the establishment of Creativity Academies seek to meet this demand in accordance with the Hawaii legislature and administration's recognition of the value of education in the creative arts as critical to our future workforce development.

Creativity Academies will be helpful for young students to develop workforce skills in creative problem solving, innovative thinking, science, technology, math, digital media, interface design, animation, and creative publishing - all key elements necessary to sustain a career in Hawaii's growing creative economy.

Thank you for allowing me to provide testimony in support of HB 2587 and the Administration's bills HB3066 and SB2988 which would establish Creativity Academies for middle and high school students statewide.

Sincerely,

Derick Fabian

FINtestimony

From: Fujie Beutel [fbeutel@hawaii.edu]
Sent: Wednesday, February 20, 2008 4:38 PM
To: FINtestimony
Cc: gargiulo@hawaii.edu

February 20th, 2008

To: HOUSE OF REPRESENTATIVES

THE TWENTY-FOURTH LEGISLATURE

REGULAR SESSION OF 2008

COMMITTEE ON FINANCE

Rep. Marcus R. Oshiro, Chair

Rep. Marilyn B. Lee, Vice Chair

From: Fujie Beutel, KCC New Media Arts student

HB No. 2587, Making an Appropriation to Establish Creativity Academies

I am writing to offer testimony in support of HB 2587 and the Administration's bills HB3066 and SB2988 which would establish Creativity Academies for middle and high school students statewide.

As an interface design student within the New Media Arts program at Kapi'olani Community College, I would like to see more educational opportunities for middle and high school students in the areas of art, new media, and all related creative local industry sectors associated with digital arts such as animation, web design, graphic design, digital video, film, etc. HB 2587 and the establishment of Creativity Academies seek to meet this demand in accordance with the Hawaii legislature and administration's recognition of the value of education in the creative arts as critical to our future workforce development.

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Thank you for allowing me to provide testimony in support of HB 2587 and the Administration's bills HB3066 and SB2988 which would establish Creativity Academies for middle and high school students statewide.

Sincerely,

Fujie Beutel

FINtestimony

From: Lynne_Sueoka/MOAHS/HIDOE@notes.k12.hi.us
Sent: Wednesday, February 20, 2008 6:14 PM
To: FINtestimony
Cc: Lynne_Sueoka/MOAHS/HIDOE@notes.k12.hi.us;
 Clint_Gima/MAUIHS/HIDOE@notes.k12.hi.us
Subject: Testimony for HB2587 HD1
Importance: High
Categories: Printed

RE: HB2587 HD1

From: Lynne K. Sueoka, Moanalua High School

I am writing to express my strong and wholehearted support for HB2587 HD1 - Relating to Creative Academies.

I have been teaching integrated media and Broadcast Journalism in the MeneMAC learning center at Moanalua High School since 2001. Besides the integrated media core (English, Social Studies, and Science), our learning center offers electives in Digital Media, TV Production, Film as Art, and Broadcast Journalism I and II. Our students strive for excellence in all their projects and have been recognized with awards in various competitions, including the Olelo Youth XChange, HMSA Teen Video Awards, Western Regional WAVE Awards, and the Student Television Network awards for news features, monthly show, video essays, commercials, monthly show, and TV graphics. These opportunities have been funded through the learning center, CTE, and grant writing.

One of our major expenditures each year is the Student Television Network annual convention. This year, our total bill was approximately \$20,000, not including meals and incidentals. Most of the funds for our participation in this, the largest and most significant event each year for student video producers is raised by the students themselves. And we are anticipating increasing costs as the convention moves to Florida in 2009. It is a huge financial burden for these young people and their families but, each year, they say it's worth it:

I feel it was important to undertake the time, the expense, the stress of attending an STN convention because you will never in your life have an opportunity to be in a place as incredible as STN. –Shane Michael

All in all, the 2008 STN convention was probably the best 6 days I've ever experienced...It's a life learning event, you get to meet new friends, learn from the best broadcast experts, gain that confidence and that determination to want to do even better in the long run, you get the whole package at STN. – Meghan

STN was worth the time, money, pressure and stress. Going is the best thing that you can do. You will definitely learn a lot, whether it's from lighting to editing or from writing to scripting, or even getting to know your classmates as family. –Melissa

In the end, all of the time and money and tears spent and shed were all worth it. The competition has

2/21/2008

helped me prepare for future problems and has helped me learn new strategies to solve them. I've also learned that even though the stress does come with the job, that's exactly what broadcast journalism entails. The stress and the 200% quality work that follows. –Elyssea

In addition to convention costs, there are the day to day costs of running a technology intensive program. Our DV100 cameras cost in excess of \$3,000 per camera and our editing systems, Final Cut Pro on Mac laptops and iMACs, run about \$3,000 with the software licenses. Professional grade lighting equipment, microphones, tripods add to the bill. And the wear and tear on the equipment, handled by dozens of students as they shoot and edit their packages through the year, mean that replacement costs add up, no matter how careful the use.

Despite the money and time demanded by these programs our students and our media teachers invest, year after year, of their resources and their passion, to enable more and more of our students to value the “stress and the 200% quality work that follows.”

Thank you for introducing HB2587 HD1...we wholeheartedly support it...for all of our students and the quality education that will follow!

Lynne Sueoka, MeneMAC Learning Center, Moanalua HS
2825 Ala Ilima Street
Honolulu, Hawaii
837-8455

MeneMAC Media Communications & Technology Learning Center
Moanalua High School
<http://www.mohs.k12.hi.us/media-central/index2.html>

FINtestimony

From: imsleeping@hawaii.rr.com
Sent: Wednesday, February 20, 2008 11:25 PM
To: FINtestimony
Subject: HB No. 2587, Making an Appropriation to Establish Creativity Academies

Categories: Printed

To: HOUSE OF REPRESENTATIVES
THE TWENTY-FOURTH LEGISLATURE
REGULAR SESSION OF 2008

COMMITTEE ON FINANCE

Rep. Marcus R. Oshiro, Chair

Rep. Marilyn B. Lee, Vice Chair

From: [Melissa], KCC New Media Arts student

HB No. 2587, Making an Appropriation to Establish Creativity Academies

I am writing to offer testimony in support of HB 2587 and the Administration's bills HB3066 and SB2988 which would establish Creativity Academies for middle and high school students statewide.

As an interface design student within the New Media Arts program at Kapi'olani Community College, I would like to see more educational opportunities for middle and high school students in the areas of art, new media, and all related creative local industry sectors associated with digital arts such as animation, web design, graphic design, digital video, film, etc. HB 2587 and the establishment of Creativity Academies seek to meet this demand in accordance with the Hawaii legislature and administration's recognition of the value of education in the creative arts as critical to our future workforce development.

Creativity Academies will be helpful for young students to develop workforce skills in creative problem solving, innovative thinking, science, technology, math, digital media, interface design, animation, and creative publishing - all key elements necessary to sustain a career in Hawaii's growing creative economy.

Thank you for allowing me to provide testimony in support of HB 2587 and the Administration's bills HB3066 and SB2988 which would establish Creativity Academies for middle and high school students statewide.

Sincerely,

Melissa Lum

FINtestimony

From: Santa Moreno Gonzalez [santamg@hawaii.edu]
Sent: Wednesday, February 20, 2008 8:35 PM
To: FINtestimony
Subject: (HB 2587 – “Making an Appropriation to Establish Creativity Academies”)

Categories: Printed

February 20th, 2008

To: HOUSE OF REPRESENTATIVES
THE TWENTY-FOURTH LEGISLATURE
REGULAR SESSION OF 2008

COMMITTEE ON FINANCE

Rep. Marcus R. Oshiro, Chair

Rep. Marilyn B. Lee, Vice Chair

From: Santa Moreno Gonzalez, KCC New Media Arts student

HB No. 2587, Making an Appropriation to Establish Creativity Academies

I am writing to offer testimony in support of HB 2587 and the Administration's bills HB3066 and SB2988 which would establish Creativity Academies for middle and high school students statewide.

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Creativity Academies will be helpful for young students to develop workforce skills in creative problem solving, innovative thinking, science, technology, math, digital media, interface design, animation, and creative publishing – all key elements necessary to sustain a career in Hawaii's growing creative economy.

Thank you for allowing me to provide testimony in support of HB 2587 and the Administration's bills HB3066 and SB2988 which would establish Creativity Academies for middle and high school students statewide.

Sincerely,
Santa

FINtestimony

From: Kumiko Hachiya [kumiko@hawaii.edu]
Sent: Wednesday, February 20, 2008 10:16 PM
To: FINtestimony
Subject: HB No. 2587 testimony

Categories: Printed

To: HOUSE OF REPRESENTATIVES
THE TWENTY-FOURTH LEGISLATURE
REGULAR SESSION OF 2008

COMMITTEE ON FINANCE
Rep. Marcus R. Oshiro, Chair
Rep. Marilyn B. Lee, Vice Chair

From: K. Hachiya, A Former KCC Interface Design Student

RE: HB No. 2587, Making an Appropriation to Establish Creativity Academies

I am writing to offer testimony in support of HB 2587 and the Administration's bills HB3066 and SB2988 which would establish Creativity Academies for middle and high school students statewide.

As a former interface design student within the New Media Arts program at Kapi'olani Community College, I would like to see more educational opportunities for middle and high school students in the areas of art, new media, and all related creative local industry sectors associated with digital arts such as animation, web design, graphic design, digital video, film, etc.

HB 2587 and the establishment of Creativity Academies seek to meet this demand in accordance with the Hawaii legislature and administration's recognition of the value of education in the creative arts as critical to our future workforce development.

Creativity Academies would be helpful for young students to develop workforce skills in creative problem solving, innovative thinking, science, technology, math, digital media, interface design, animation, and creative publishing - all key elements necessary to sustain a career in Hawaii's growing creative economy.

Thank you for allowing me to provide testimony in support of HB 2587 and the Administration's bills HB3066 and SB2988 which would establish Creativity Academies for middle and high school students statewide.

Sincerely,

K. Hachiya

Testimony in support of HB2587 HD1

House Finance Committee
Chair Marcus Oshiro
Thursday February 21, 2008
Room 308 1pm

Gene Zarro
Chair, South Maui Learning Ohana, Inc.
gzarro_kiheih@yahoo.com

Dear Chairman Oshiro,

South Maui Learning Ohana, inc. (SMLO) is a 501c3 non profit that has long been engaged in supporting educational initiatives.

SMLO is the founders group for the Kihei Charter School and stands ready to support, with feet on the ground, the initiatives outlined in this bill.

Preparing our students for a productive and rewarding life in the 21st century is our goal. However the skill sets needed in the 21st century are quite different than those needed in the 20th century. The value placed on these new skills shows itself in a direct comparison to the job markets that no longer exist in America and in particularly Hawaii.

The demand for these new programs, to diversify our economy, protect our environment, and offer our youth opportunities to stay here and be productive is a demand we must proactively meet head on.

We can do this together with your support and this bill is a good first step.

Sincerely

Gene Zarro
808 385 1197

FINtestimony

From: James A Palicte [jpalicte@hawaii.edu]
Sent: Thursday, February 21, 2008 11:08 AM
To: FINtestimony
Subject: HB No. 2587, Making an Appropriation to Establish Creativity Academies

February 20th, 2008

To: HOUSE OF REPRESENTATIVES
THE TWENTY-FOURTH LEGISLATURE
REGULAR SESSION OF 2008

COMMITTEE ON FINANCE
Rep. Marcus R. Oshiro, Chair
Rep. Marilyn B. Lee, Vice Chair

From: James A. Palicte, KCC New Media Arts student

HB No. 2587, Making an Appropriation to Establish Creativity Academies

I am writing to offer testimony in support of HB 2587 and the Administration's bills HB3066 and SB2988 which would establish Creativity Academies for middle and high school students statewide.

As an interface design student within the New Media Arts program at Kapi'olani Community College, I would like to see more educational opportunities for middle and high school students in the areas of art, new media, and all related creative local industry sectors associated with digital arts such as animation, web design, graphic design, digital video, film, etc. HB 2587 and the establishment of Creativity Academies seek to meet this demand in accordance with the Hawaii legislature and administration's recognition of the value of education in the creative arts as critical to our future workforce development.

Creativity Academies will be helpful for young students to develop workforce skills in creative problem solving, innovative thinking, science, technology, math, digital media, interface design, animation, and creative publishing - all key elements necessary to sustain a career in Hawaii's growing creative economy.

Thank you for allowing me to provide testimony in support of HB 2587 and the Administration's bills HB3066 and SB2988 which would establish Creativity Academies for middle and high school students statewide.

Sincerely,
James A. Palicte

FINtestimony

From: Benjamin Chamberlin-Bee [bhcb@hawaii.edu]
Sent: Thursday, February 21, 2008 10:56 AM
To: FINtestimony
Subject: In support of: HB 2587 – “Making an Appropriation to Establish Creativity Academies”

February 20th, 2008

To: HOUSE OF REPRESENTATIVES
THE TWENTY-FOURTH LEGISLATURE
REGULAR SESSION OF 2008

COMMITTEE ON FINANCE

Rep. Marcus R. Oshiro, Chair

Rep. Marilyn B. Lee, Vice Chair

From: Haku Chamberlin-Bee, KCC New Media Arts student

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Haku Chamberlin-Bee