

## **LEGISLATIVE REQUEST STATUS REPORT**

DATE: November 14, 2003

SUBJECT: Career and Technical Education Programs Redesign

REFERENCE: HCR 185/HR 149

ACTION REQUESTED: Status Report on HCR 117/HR 102. Requests BOE/DOE to implement career pathways including the redesign of Career and Technical Education (CTE), and prioritize existing resources and propose a budget detailing specific staffing, facility renovation and professional development.

PERSON SUBMITTING REPORT: Sherilyn Lau, Educational Specialist for Career and Technical Education.

DOE REPORT:

### Redesign of Career and Technical Education:

The redesign of the State Department of Education's Career and Technical Education (CTE) program will occur in the context of school reform with a focus on economic development. The redesign of CTE will utilize the career pathway framework to organize curriculum in a way that will create rigor, relevance and relationships in the classroom. Through the redesign of CTE Hawaii will begin the journey of growing a qualified, highly-skilled workforce that will attract and grow businesses and lead to the development of a diversified economy.

The staff of the State Department of Education's CTE program office is currently developing a Career Pathway Implementation Guide. The purpose of the guide is to provide schools with research, implementation options, suggested resources and sample strategies for the redesign of career and technical education programs through the implementation of Career Pathways. The State CTE staff will continue to conduct CTE workshops for principals, district personnel and school-level coordinators to ensure timely dissemination of information and to provide assistance to the schools.

In order to support the implementation of the redesign of CTE, the CTE program office staff has completed the following:

- Restructured the Department CTE courses (ACCN) around Career Pathways.
- Established an electronic comprehensive guidance tool for use at every middle and high school.

- Developed Career pathway frameworks and pathway standards in partnership with post-secondary and industry partners.
- Worked to align the redesign of CTE with school reform initiatives, No Child Left Behind, P-20, High Schools That Work and Tech Prep initiatives.
- Held forums and other partnership building sessions with economic leaders and business and industry representatives to align CTE reform initiatives with economic development priorities.
- We are in the process of testing assessments and establishing an articulation process and developing articulation agreements.
- Conducted staff development/PD for teachers.

Prioritize Existing Resources:

In order to facilitate the redesign efforts, the CTE program office staff has restructured its Federal funding guidelines to focus on the redesign of CTE. The Federal supplemental funding will no longer be allocated on a formula basis. Instead, schools will have the opportunity to participate in a competitive grant request process. The purpose is to focus more supplemental resources on fewer schools to achieve reform results in a shorter amount of time. State supplemental funds will be used to support all schools as they move toward the reform of CTE programs that address the economic development priorities of Hawaii.

Schools will be able to utilize eighty off-ratio positions to staff new, innovative CTE programs in their respective schools. Both Federal and State supplemental funds can be used to purchase equipment and supplies necessary for redesign of their CTE programs.

Proposed Budget:

<i><b>Budget Item</b></i>	<i><b>Description</b></i>	<i><b>Budget Request</b></i>
<i>Staffing</i>		
	43 FTE positions per high school complex for CTE Redesign Coordination. This position would not only Coordinate the redesign of CTE but would also assist in school and complex-wide school reform efforts.	\$2,919,857 annually

<i><b>Budget Item</b></i>	<i><b>Description</b></i>	<i><b>Budget Request</b></i>
	1 FTE position for a State CTE Educational Specialist to facilitate the design, development, and implementation of the redesign process. This position would be used to provide technical assistance and training to schools. In addition, it will also be used to conduct research economic development trends and initiatives and coordinate support activities between business and industry, postsecondary institutions, the community and schools. Marketing and communicating reform efforts to the community will also be a responsibility of this position.	\$70,000 annually
	1 FTE position for Support Staff. A Secretary I position will be utilized to support the State CTE Educational Specialist.	\$30,000 annually
<i><b>Facility Renovation</b></i>		
	The Department of Education has determined that no major facilities renovations will be necessary to begin the redesign of CTE programs. However, the following may be considerations for older schools that do not have adequate infrastructure.	
	Electrical upgrade for schools (approximately 10 schools).	\$1,000,000 (\$100,000 for each school)
	Specialized Equipment and Supplies. This may include:	

<i><b>Budget Item</b></i>	<i><b>Description</b></i>	<i><b>Budget Request</b></i>
	<p>The cost is an estimate based on developing one program area per high school at an average cost of \$50,000.</p> <ol style="list-style-type: none"> <li>1. Specialized equipment such as inverted microscopes, sanitizing equipment, centrifuges, transilluminator, oil immersion microscope, spectrometer, DNA extraction kits, and mycycler thermal cycler.</li> <li>2. Replace mercury equipment with digital monitoring equipment.</li> <li>3. Computers and software for business, industrial engineering, public and human services, natural resources and arts and communication. This includes but is not limited to modular simulation sets, software programs to do business research, data collection/analysis, equipment analyzers and multi-media programs.</li> </ol>	\$2,150,000 total for all high schools for 1 year.
<i><b>Professional Development</b></i>		
	Focused and sustained professional development and incentives for administrators and teachers will be necessary to achieve the CTE redesign goals.	
	<p>Incentives may include:</p> <ol style="list-style-type: none"> <li>1. Tuition waivers</li> <li>2. Sabbaticals</li> <li>3. Industry training opportunities</li> <li>4. Internships</li> <li>5. Mentoring programs</li> </ol>	\$250,000 annually
	Trainers and other consultants may be utilized to support statewide training for the implementation of CTE redesign. Trainers and consultants would provide on-going follow up as deemed necessary for successful implementation.	\$15,000 annually