

Digital Curriculum Design and Deployment

Purpose

Digital curriculum will assure the Oklahoma CareerTech system is fully prepared for and able to benefit from the disruptive innovations occurring in educational technology and digital content. It will also help transform the CareerTech programs into America's finest competency-based, personalized learning experiences.

Key activities

Digital curriculum design and deployment efforts will focus on four areas:

- Increasing the amount and quality of digital CareerTech curriculum and instructional resources.
- Enhancing assessments through alignment to industry credentials and digital systems deployment.
- Providing a quality learning management system that:
 - is compatible with existing local systems as well as common education and higher education.
 - is accessible to students, parents and instructors.
 - provides formative and summative data regarding student performance and progress.
 - provides useful process quality data, such as student engagement and effort.
- Creating next generation learning environments designed exclusively to harness the power of new and emerging educational technology and digital content.

Why this effort is needed

The emerging trend of extreme personalized, blended learning environments is resulting in breakthrough student performances, cost-effective performance delivery and incredibly professional workplaces for educators. Business is demanding more flexible and efficient customized training. If CareerTech is to survive and prosper in this new environment, we must begin now to create, test and deploy transformative educational designs.

Digital content and educational technology allows schools to offer more personalized and effective education. Schools must dramatically transform their structures and educational approaches to take advantage of the disruptive innovations available today. This work will be accelerated by leadership and support from the Oklahoma Department of CareerTech.

The Oklahoma Department of CareerTech already has a wealth of curriculum containing technical content aligned with industry standards, along with instructional materials and resources and formative and summative assessments. Converting these to the digital environment will allow CareerTech students to personalize their education and achieve breakthrough performances in a cost-effective manner.

Cost

- **Host Digital Delivery Summit - Estimate \$25,000**
This includes expenses related to speakers and facilities for an event attended by 200 individuals. CareerTech will share expenses with higher education partners. The event will target key decision and policy makers in the area of digital delivery for Oklahoma.
- **Digital Delivery Conversion, Enhancement, Platform Adoption and Training – Estimate \$500,000**
This will address the first phases of the digital delivery project, including initial conversion and enhancement of curriculum, selection and customization of a platform and a statewide training initiative.

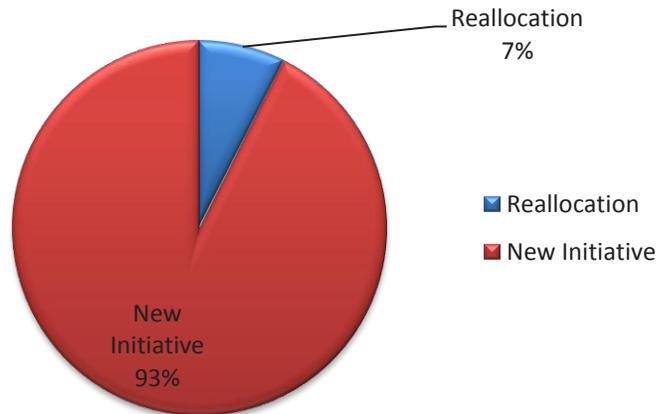
It will require increasing full-time employees by one professional to provide leadership in digital conversion and delivery. It will include a sophisticated online catalog/ordering system with e-commerce capabilities.

- **Assessment Expansion and Funding Supplementation – Estimate \$1,050,000**

This includes expenses related to the transition of all assessments to a third-party vendor to assure a) heightened security, b) improved customer service and responsiveness to users and agency and c) the professional look and feel of the testing environment. It will require the addition of four full-time employees – two professional and two administrative support staff -- to handle increased communications with partners, conversion to new platform, score management, etc.

- **Learning Management System Adoption and Installation – Estimate \$425,000**

This includes expenses related to the exploration, adoption and installation phases of an LMS system that will communicate across state agencies (common ed, higher ed) as well as with various platforms used by technology school and comprehensive high school programs. For the purposes of this document, this is a separate item, but it could feasibly be rolled into the adoption of a digital delivery system that serves both purposes.



How will we measure results

The success of the digital design and deployment initiative will be evidenced by four criteria:

- Increased knowledge of digital delivery issues, strategies and options and the resulting development of a strategy and infrastructure appropriate for Oklahoma.
- Increased offering of digital curriculum products, assessments and instructional tools with an associated increase in the number of users, user satisfaction and related state revenue.
- Increased access to and use of data related to student performance, progress and engagement by school personnel.

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