



Advancing Mathematics Teaching and Learning in Adult Education

Background

Applied mathematics skills are critical to the economic prosperity of the country, and to the well-being of individuals. These skills act as a gatekeeper for further education and training, and significantly affect employability and career options. Through this investment, OCTAE plans to accelerate the teaching and learning of more advanced mathematics through the use of—high-quality Open Education Resources (OER) aligned to college and career readiness standards, innovative teaching models, Teacher User Groups, and next-generation educational technologies.

Overview

Advancing Mathematics in Teaching and Learning will provide the field with a market landscape report, covering OER for higher-level mathematics that align with college and career readiness standards. Teacher User Groups will be recruited to assist in the identification and review of these materials; and, a technical working group will help guide the project. In addition, the project will produce a series of short videos for adult learners about the importance of advancing their mathematics learning.

A contract was awarded to Luminary Labs. The project period is from August 2016 to August 2019.

Project Milestones

- Establish a Technical Working Group (Fall 2016).
- Recruit and establish a Teacher User Group (Spring 2017).
- Produce a Market Landscape Report (in three publications).
- Produce videos for adult learners (Summer 2019).

Outcomes and Products

- Conduct an environmental scan, and engage with stakeholders to inform the Market Landscape Report.
- Lead two Teacher User Groups to identify, evaluate, and review OER, and publish their reviews in OERCommons.org.
- Expand awareness of OER for advanced mathematics among adult educators, through dissemination and communication strategies.
- Build awareness among adult learners, and their teachers, about the importance of mathematics through compelling “Why do I need to know this?” videos.

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