

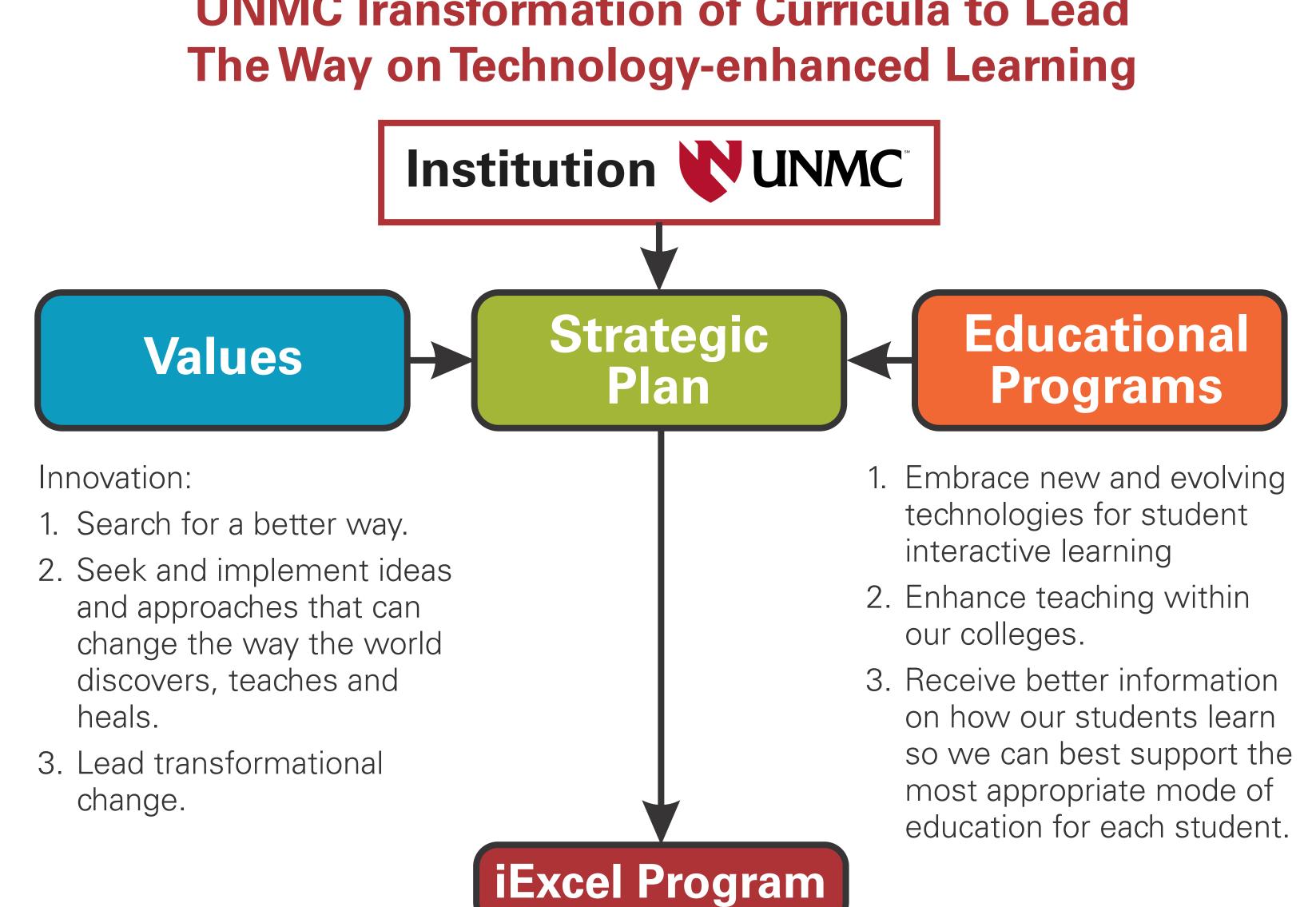
Leading Transformational Change: eModules Designed by Digital Learners for Digital Learners

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A grant from University of Nebraska Medical Center inspired students at the College of Dentistry to be innovative educators to their peers, creating an eModule by digital learners for digital learners. UNMC is leading transformational changes from the institutional level to the college level by supporting evolving technology.

The first dental student designed eModule, "eUrgent Dental Care," is being incorporated into a course this fall. Outcome assessment research on the modules continue after their release.

UNMC Transformation of Curricula to Lead



Faculty 2015

"Endodontic Immunology: An introduction of Classic to current Evidence of Endotoxins," Fahd Alsalleeh, BDS, MS, PhD.

UNMC DENTAL COLLEGE

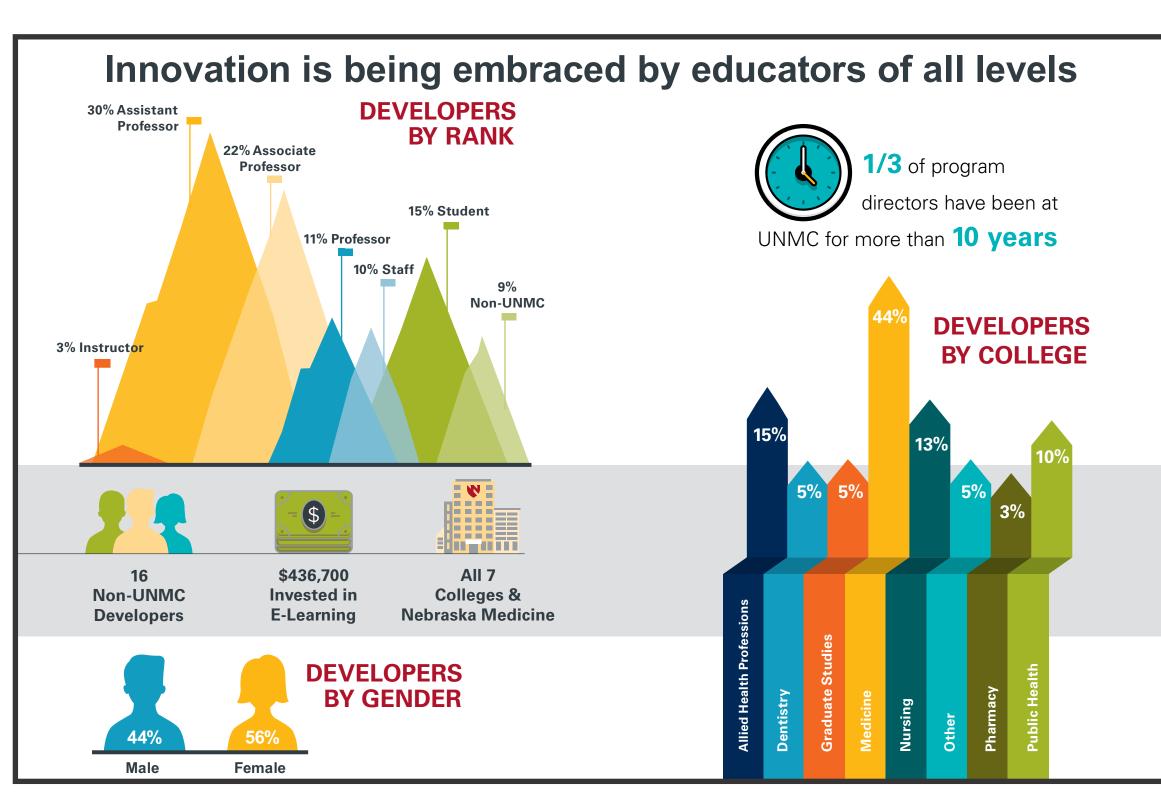
"Open Wide: Extra/Intraoral Dental Screening Examination," Mary Lynn Froeschle, DDS, MBA. Faculty 2016

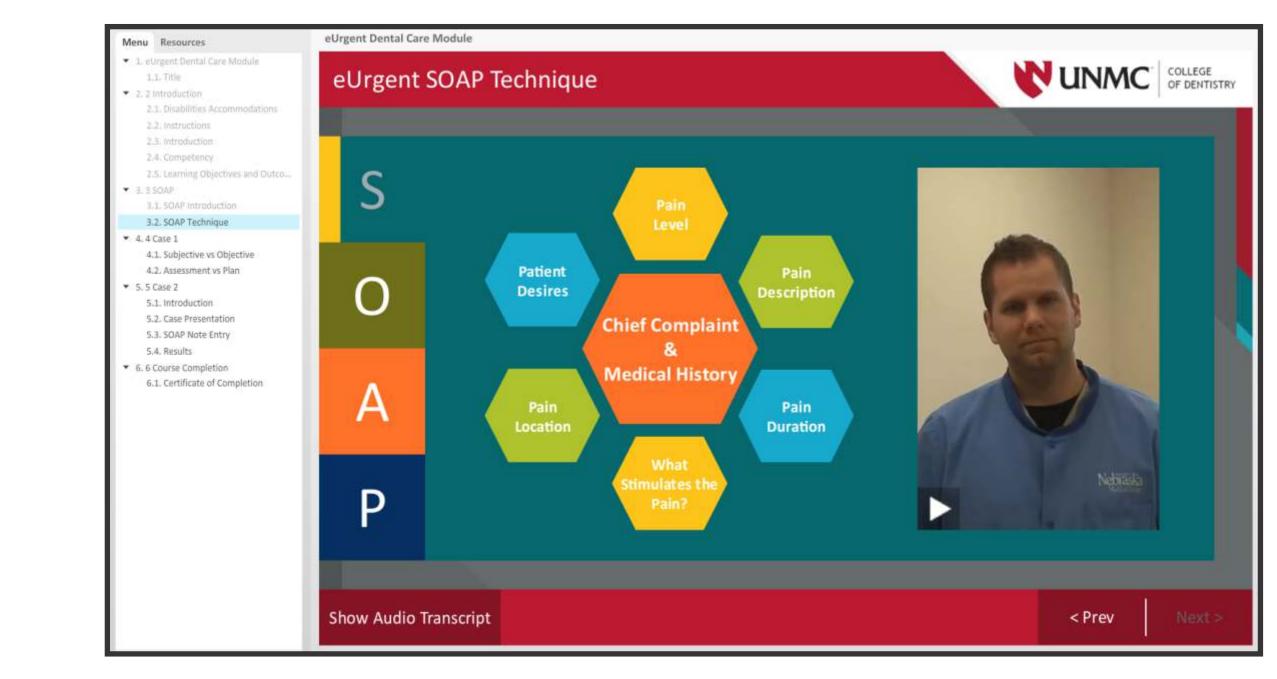
"Case-based Interdisciplinary Team Approach to Treatment Planning" (College of Dentistry Curriculum Redesign Project) – Mary Lynn Froeschle, DDS, MBA.

Student 2016

"eUrgent Dental Care Module," Roy Burkhalter, Levi Bunkerhoff, Grant Essink, Halie Bricker. Faculty Mentor: Jennifer Kallio, DDS.







First faculty

Board formed

E-Learning Steering Committee formed

eModules Collaboration ldea Curriculum Redesign Gap in Curriculum

Project Proposal Goals

- Lead transformational change of the College of Dentistry's curriculum through student-designed, faculty-mentored eModules for use by student peers.
- Support increased development of eModules by students with faculty mentors.
- . Create a UNMC College of Dentistry eLearning showcase.
- Incorporate eModules into the curriculum.
- E. Provide opportunities for research on learning styles, practicality, and preparing for the next generation of students.

cohort starts

their projects

Why?

 Integrates evolving technology into the curriculum faster by harnessing the creative potential of students and faculty collaboration.

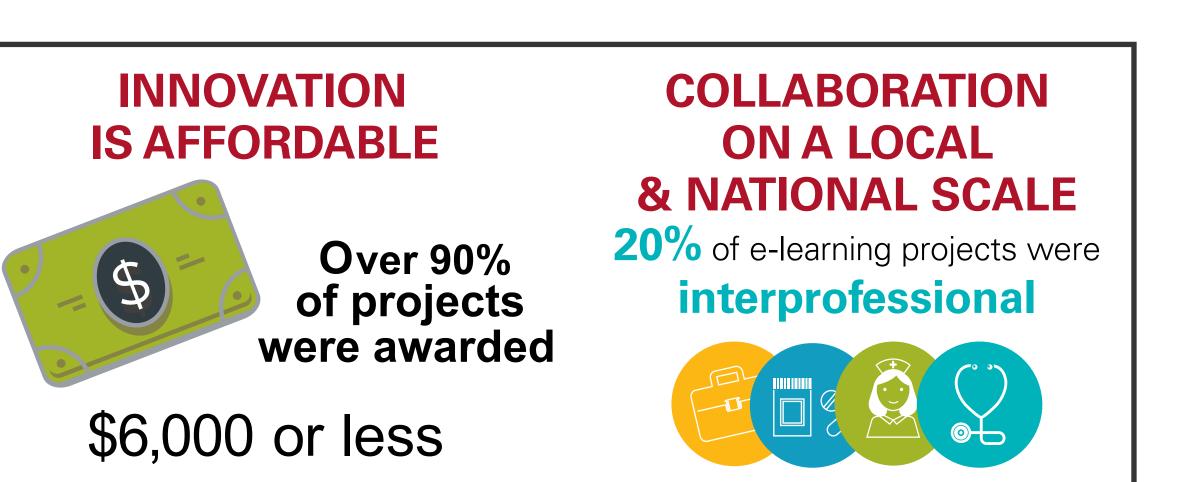
Future Innovation

UNMC COD

WE

HERE

- Provides students the opportunity to be actively involved with shaping learning experiences for their
- Creates scholarly activity in education and may spark an interest for future dental educators.



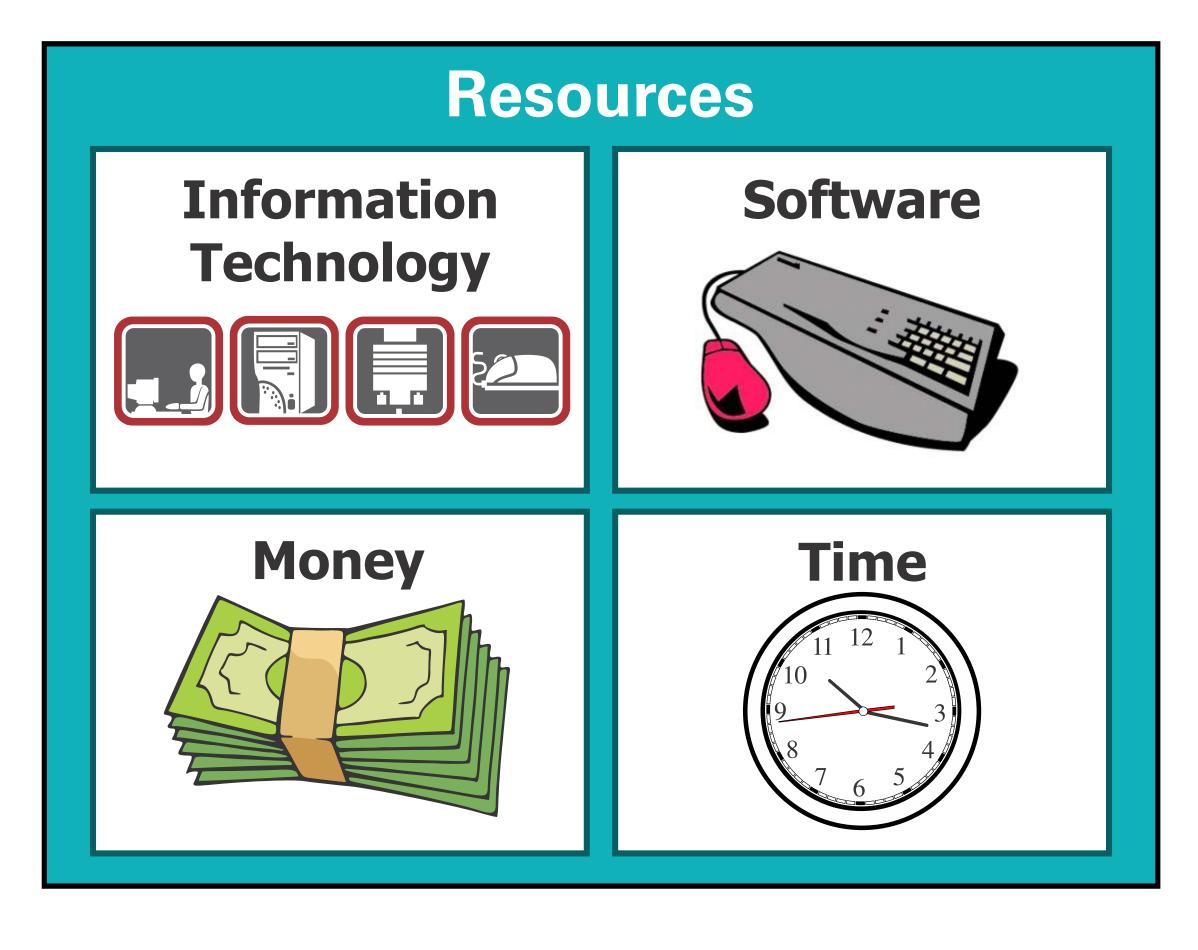
UNMC COLLEG ase 1 .1. Subjective vs Objective 4.2. Assessment vs Plan 5 Case 2 5.1. Introduction 5.2. Case Presentation 5.3. SOAP Note Entry 5.4. Results Course Completion .1. Certificate of Completio

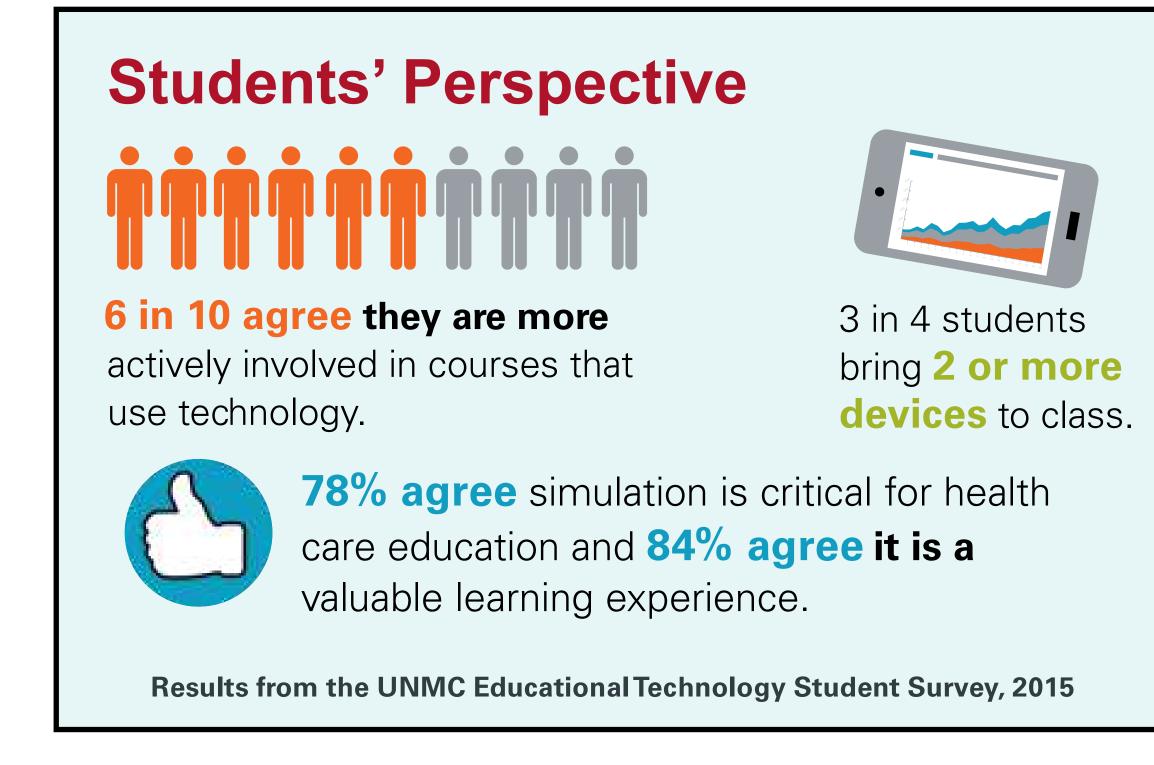
cohort starts their

Award Recognition Ceremony 500-1000 per project **Project Review** w/Instructional Designer Pilot w/Peers & Faculty **Dental College Rewards & Recognition**

- Commendation letter from the dean
- Friendly Competition Winner presents at medical center-wide showcase.
- Money awarded supports students for development or for production.







Outcomes Assessments

A. Kirkpatrick Model

- 1. Reaction Initial feedback after completing the eModule.
- 2. Learning Pre and post assessment tests of learning objectives.
- a. E.g.: SOAP note utilization before and after passing the module.
- 3. Behavior Survey is conducted one semester following completion of the module for on-going clinical use, practicality, and reinforcement.
- 4. Results: On-going measurement of clinical
- . Faculty mentor can revise content for on-going use.



and first student