

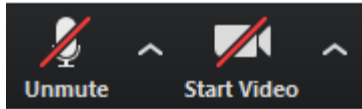


Four Ways to Align Center of Teaching and Learning Activities with Student Success Goals

Using Zoom

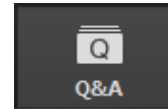
Mic and Video Controls

Click the mic and camera pictures until they have a red line indicating they are both off.



Asking a Question

To ask the presenter a question, type it into the Chat panel and press send.





We help schools support students from enrollment to graduation and beyond

> Find and enroll your right-fit students

> Support and graduate more students

➤ **ROOTED IN RESEARCH**

7,500+ Peer-tested best practices

500+ Enrollment innovations tested annually

➤ **ADVANTAGE OF SCALE**

1,500+ Institutions served

3.7 M+ Students supported by our SSMS

➤ **WE DELIVER RESULTS**

95% Of our partners continue with us year after year, reflecting the goals we **achieve together**

> Prepare your institution for the future



Dedicated Initiative for T&L Leaders



EAB Functional Collaborative Emerges from Research on Equity in Student Success



- 3 webinar roundtables
- ~45 Teaching and Learning Leaders
- Wide-ranging issues related to strategy, management, and policy



Our Initial Participants

American University

Kiho Kim

Bowling Green State UniversityJulie Matuga
Jessica Turos**Bradley University**

Helja Antola Crowe

California State University, Long Beach

Kirsten Fleming

Carnegie Mellon University

Marsha Lovett

Central Michigan UniversityPete Ross
Jeremy Bond**Columbus State University**

Susan Hrach

Concordia University

Rob Cassidy

Dixie State University

Bruce Harris

Drake University

Arthur Sanders

Elon University

Deandra Little

Georgetown University

Eddie Maloney

Indiana University

Rebecca Torstrick

Lewis University

Michael Cherry

Memorial University of Newfoundland

Gavan Watson

Morgan State University

Catherine Martin-Dunlop

Old Dominion University

Annette Finley-Crowwhite

Rollins College

Nancy Chick

Saint Louis University

Debra Lohe

Southwest Baptist University

Angela Carr

Susquehanna University

Rolfe Peterson

The New School

Rita Breidenbach

University of Alabama in Huntsville

Michelle Greene

University of Central Arkansas

Amy Hawkins

University of Dayton

Deborah Bickford

University of Denver

Virginia Pitts

University of Massachusetts, Amherst

Claire Hamilton

University of Mississippi

Nancy Wiggers

University of North Carolina at Greensboro

David Teachout

University of South Alabama

S. Raj Chaudhury

University of Tampa

Cheri Etling-Paulsen

University of Tennessee, Knoxville

Matthew Theriot

University of Texas at Arlington

Ann Cavallo

University of Texas, Rio Grande Valley

Javier Cavazos

University of the Fraser Valley

Maureen Wideman

University of Virginia

Michael Palmer

Valparaiso University

Cynthia Rutz

Vanderbilt University

Derek Bruff

Washburn University

Melanie Burdick

Washington State University

Rebecca Van de Vord

Washington University in St. Louis

Eric Fournier

Wayne State College

Yasuko Taoka

Western Carolina UniversityJonathan Wade
Eli Collins-Brown

Most Pressing T&L Issues Across Three Webinars



“What is the T&L unit’s role in providing faculty with leadership development opportunities?”

“How can T&L units facilitate broader faculty adoption of learning technologies?”

“How can T&L units effectively support faculty at all stages of their career?”

“How can T&L units serve as effective hubs of scholarship of teaching and learning?”

“How can T&L units increase faculty engagement beyond the usual suspects?”

“What is the optimal balance between in-unit instructional expertise and centralized T&L support?”

“What metrics should T&L units use to measure the impact of their programming?”

“How can T&L units scale the most effective pedagogical practices?”

“How can T&L units become more involved with strategic planning?”

“What is the optimal service delivery model for an effective T&L unit?”

“What are the implications of Truth and Reconciliation on T&L activities?”

“How can T&L units move away from using student evaluations of teaching?”

“Are teaching awards enough to incent faculty to engage with the T&L unit?”

“Should instructional designers and online learning support be included within the T&L unit?”

“How can T&L units support the spread of inclusive pedagogy?”

“How should institutions create a brand new T&L unit?”

“What is the T&L unit’s role in facilitating ADA compliance?”

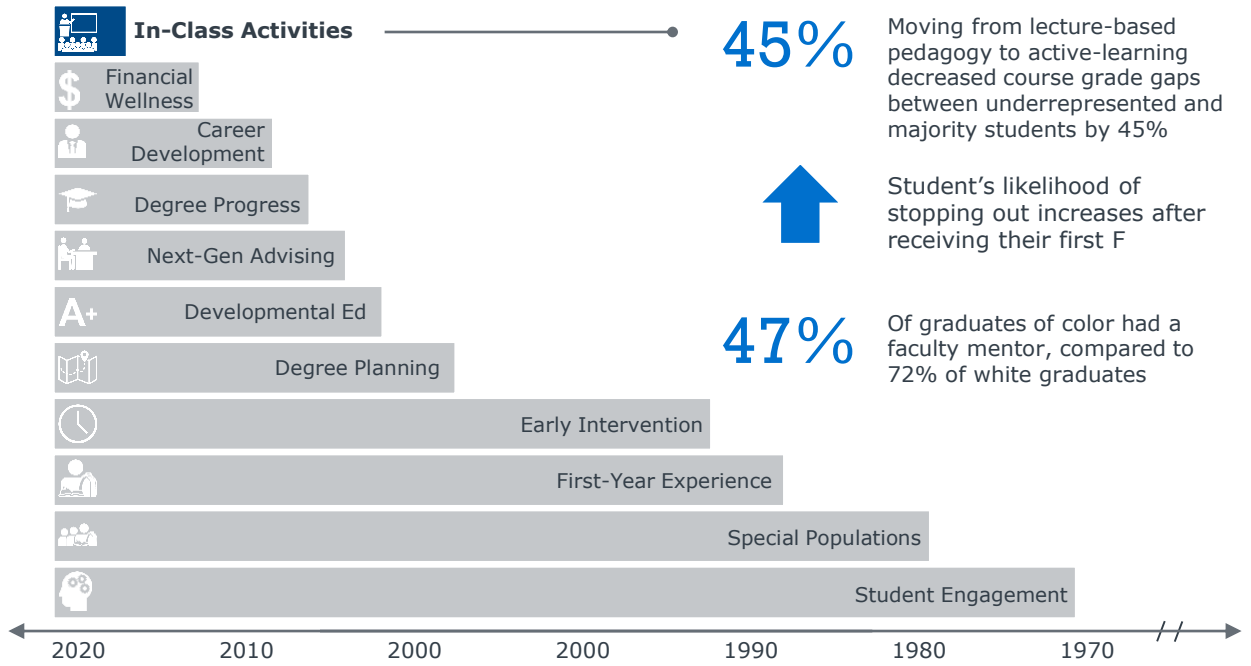
“What capabilities should T&L units oversee?”



Drawing on 10+ Years of Student Success Research

Evolution of Student Success From Support Services To Academic Experience

More Attention on In-Class Performance and Outcomes

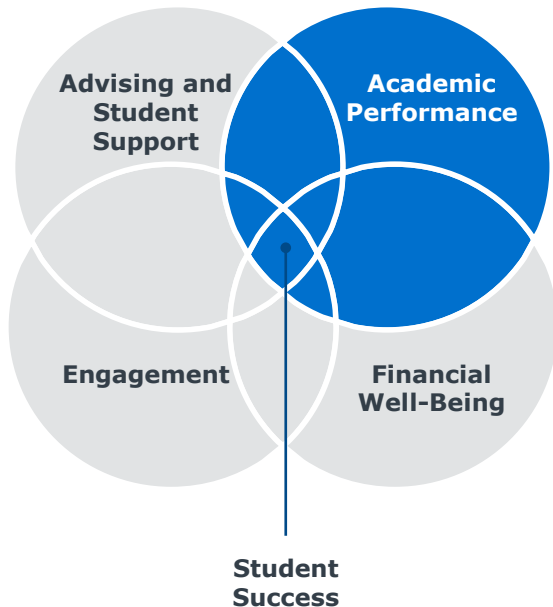


Source: Haak, D. C., J. Hille Ris Lambers, E. Pitre, and S. Freeman. "Increased Structure and Active Learning Reduce the Achievement Gap in Introduction to Biology." *Science*, 332 no. 6034: 1213-6.; 2018 Strada-Gallup Alumni Survey, Mentoring College Students to Success; EAB interviews and analysis.

A More Holistic View of Student Success

New Focus on Academic Success Can Bring CTLs to the Center

Ability to Translate Among Audiences Makes CTLs Critical Student Success Partners



”

“We [CTL staff] think of ourselves as translators...**we can speak the language of student success, faculty members, and administrators**, and we are constantly translating across those boundaries.”

CTL Director, Small Private College

Understanding Centers of Teaching and Learning



Programming, Staffing, and Organizational Differences Across Segments

	Research and Doctoral Universities	Comprehensive Institutions	Liberal Arts Colleges	Canadian Institutions
Structure	Centralized (70%)	Centralized (60%)	Single Individual (61%)	Centralized (58%)
Length of Time in Current Structure	Mature – 59% in place between 6-20 years	Mix – 46% in place less than 5 years and 31% in place between 11-20 years	New – 62% in place less than 5 years	Mature – 64% in place between 11-20 years
Staffing	Median FTE: 8	Median FTE: 3	Median FTE: 2	Median FTE: 5
Signature Services¹	Active, inquiry-based or problem-based learning (44%) Integrating technology in traditional T&L setting (35%)	New faculty orientation and development (36%) Blended learning approaches (25%)	New faculty orientation (33%) Course and curriculum reform (27%)	New faculty orientation (50%) Scholarship of teaching and learning (42%)
Approach to Service Provision	Hands-on workshops Individual consultations	Hands-on workshops Individual consultations	Hands-on workshops Web-based resources	Individual consultation Hands-on workshops







1) Reporting the two (out of 39) possible programs that were included the most in the top 3 signature programs within the segment.

Changing Role and Focus of CTLs on Campus







Current CTL Goals Point to Shift in Emphasis Toward Organizational Change

Top Three Goals that CTL Directors Indicated Guided Their Programming, 2016

- 1 Create or sustain a culture of teaching excellence   Increase between 2006-2016
- 2 Advance new initiatives in teaching and learning   Increase between 2006-2016
- 3 Respond to and support individual faculty member's goals for professional development   Decrease between 2006-2016

Future Direction Points to Growing Focus on Assessment, Online Learning, Multiculturalism, and Curricular Reform

Top Issues CTL Directors Indicated that Faculty Development Should Address in the Next Five Years

-  Assessment of student learning outcomes
-  Teaching in online and distance environments
-  Multiculturalism and diversity related to teaching
-  Course and curriculum reform

- 1** Reduce course DFW rates and help eliminate demographic disparities in academic performance
 - 2** Facilitate experiential learning opportunities
 - 3** Facilitate the use of open educational resources (OER) to reduce student course costs
 - 4** Promote data-informed teaching practices by facilitating scholarship of teaching and learning
 - 5** CODA: Near- and future-term teaching and learning innovations
-

Course Outcomes Signal Future Success Problems

CTLs Best Positioned to Partner in Prioritized Course Redesigns

Course Equity Gaps

1 in 3

Black students and 1 in 7 Latinx students received a D or F in a lecture-based introductory biology course at EAB university¹, compared to 1 in 14 white students

Major Changes

80%

Of underrepresented STEM first-year students at ABC university¹ switched their major out of STEM

Delayed Graduation

+4

A study at XYZ college¹ found that an accumulation of six DFW credits, on average, added four additional months to completion

A Critical Partner in Reform, Not Data Monitoring

“

"While Centers of Teaching and Learning may not be involved with analyzing course data to identify DFW problems, efforts to address that concern across courses often will involve the CTL. On campuses with CTLs, this sort of student success initiative benefits greatly from collaboration with a teaching center."

Debra Lohe, Director, Reinert Center for Transformative Teaching and Learning

Saint Louis University

”

1) Pseudonym

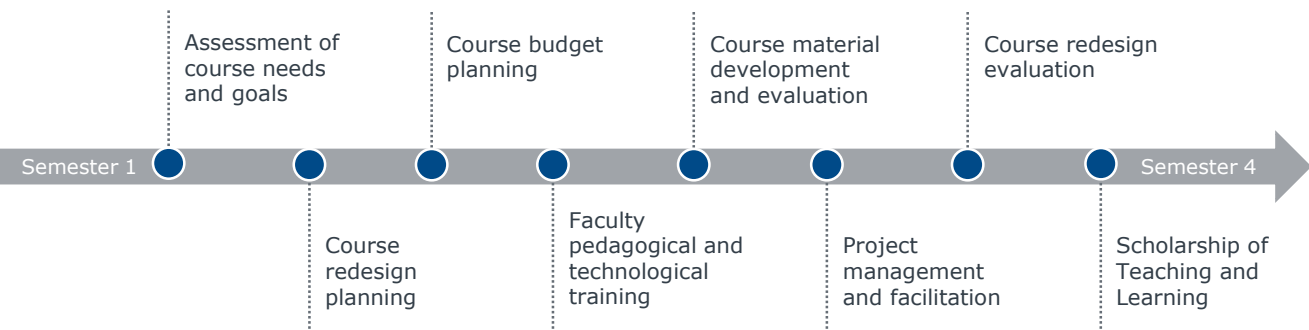
A CTL-Guided Gateway Course Transformation



Systematized CTL Course Redesign Support Critical for Success



CTL Staff Guide a Rigorous, Step-by-Step Course Redesign Process



Impact Highlights: Course Redesign Decrease DFW Rates and Improve Student Grades

14

Percentage point decrease in DFW rates in redesigned political science course

17

Percentage point increase in student grades in redesigned physics course

15.7

Percentage point decrease in DF rates in redesigned chemistry course

Prioritize Resources to Have the Biggest Impact

Eight Criteria to Help Guide CTL Redesign Activities



Redesign **entire courses** within a department, rather than individual sections



Demonstrate support from departmental **faculty, chairs, and deans**



Focus on general education, introductory, and/or prerequisite **gateway** courses



Include a plan for **financial sustainability** and/or an overall reduction in costs



Begin with courses with historically **high DFW (D/F/withdraw) rates**



Describe how the course will use **technology** to reduce costs and improve outcomes



Begin with **high-enrollment** courses with seat capacity constraints



Preserve **academic rigor and course content** while adapting delivery methods



For more information, please see *The Course Completion Playbook* on eab.com

Revisiting A Familiar Practice

Identifying Missing Pieces from Some Intensive Institutes

Most Course Design Institutes (CDIs) Cover Critical T&L Topics...



Extensive coverage of learner-centered pedagogy theory and practice



Components of effective course design including active learning and learning outcomes assessment

...But Don't Always Include Rigorous Evaluation, Peer Feedback, and Completed Syllabus



CDI includes opportunity for peer and CTL staff feedback and collaboration about course design



Faculty end CDI with complete or near-complete syllabus



Rigorous syllabus rubric or guide helps shape and evaluate CDI activities

Rollins
EST. 1885

TCU


FERRIS STATE UNIVERSITY


SAINT LOUIS UNIVERSITY

 **UNIVERSITY OF VIRGINIA**

 **UNIVERSITY OF DELAWARE**

Four Key Elements of a CDI Syllabus Rubric

Detailed Guide Helps Faculty Create Learning-Focused Syllabi



1
Rubric includes detailed descriptions of each component

2
Rubric provides guidance about creating an inclusive classroom

Criterion ¹	Component	Strength of Evidence		
		Strong	Moderate	Low
Learning Goals & Objectives	Course level learning objectives are clearly articulated and use specific action verbs		3	
	Objectives and assessments are aligned	3		
Assessment Activities	Major summative assessment activities are clearly defined			2
	Plans for frequent formative assessment with immediate feedback	1		
Classroom Environment	Communicates high expectations, projects confidence of success		1	

3
Scoring criteria helps identify areas to improve

4
Weighted scoring ensures instructors include the most important components

1) Adapted from UVA's syllabus rubric, available [here](#)

Source: Palmer, M. S., Bach, D. J., & Streifer, A. C. (2014). Measuring the promise: A learning-focused syllabus rubric. *To improve the academy: A journal of educational development*, 33 (1), 14-36. Palmer, M.S., Streifer, A.C., & Williams-Duncan, S. (2016). Systematic assessment of a high impact course design institute. *To improve the academy: A journal of educational development*, 35(2), 339-361; EAB interviews and analysis.

CDI & Learning-Focused Syllabus Development

Improve Student Outcomes & Faculty Confidence



Courses with inclusive syllabi reduced gap in DFW rates between URG and majority STEM students



CDI participation increased faculty confidence in their ability to use student-centered teaching activities



Syllabus rubric won the 2014 POD Network Innovation Award

“The syllabus is extremely comprehensive but also **gets me excited to work with the teacher** and participate in the class.”

“I like how they **emphasize the realistic aspects of learning and participating** rather than simply laying out work to be done.”

Students' perception of learning-focused syllabi at UVA

Mid-Course Advice Helps Test Teaching Changes

CTLs Provide Useful Feedback Service But Face Three Challenges



Faculty requests CTL peer review and/or observation service



CTL staff observe class and conduct student focus groups



CTL staff and instructor debrief and consider any pedagogical changes

Scalability

6.4

Average number of professional staff at CTLs¹

2.4

Average number of faculty fellows at CTLs¹

70%

Of surveyed CTL directors reported annual programming budgets under \$100,000²



Trust Barriers

Students less willing to talk openly with faculty and staff about the challenges they encounter



Missing Perspective

Faculty miss out on important student perspective on course activities

- 1) Based on survey data from University System of Maryland Project on Leading Academic Change: An Early Market Scan of Leading-edge Postsecondary Academic Innovation.
- 2) Beach, Andrea L., Mary Deane Sorcinelli, Ann E. Austin, and Jaclyn K. Rivard. 2016. Faculty Development in the Age of Evidence: Current Practices, Future Imperatives. Sterling, VA: Stylus.

Source: Yeager, D. S., Purdie-Vaughns, V., Yang, S.,* & Cohen, G. L. (2017). [Loss of institutional trust among racial and ethnic minority adolescents: Consequence of procedural injustice, cause of behavioral disengagement](#). *Child Development*, 88, 658-676; Beach, Andrea L., Mary Deane Sorcinelli, Ann E. Austin, and Jaclyn K. Rivard. 2016. Faculty Development in the Age of Evidence: Current Practices, Future Imperatives. Sterling, VA: Stylus.; University System of Maryland Project on Leading Academic Change: An Early Market Scan of Leading-edge Postsecondary Academic Innovation.

Student Consultants Bypass Traditional Constraints

On-Demand, Customizable Service Provides Relevant, Timely Feedback

Multiple Consultant Role Options Help Faculty Get Right-Fit-Advice



Students Consultant Request Form¹

Please mark all the service options you are interested in:

- Recorder/Observer:** consultant records classroom activities, such as lecture chronology, describing rather than evaluating
- Faux Student:** consultant takes notes as if they were a student in the class
- Primed Student:** consultant records classroom activities, with a focus on specific issues requested in advance by instructor
- Student consultant:** instructor asks consultant for evaluative feedback on classroom activities or particular learning issues
- Combination of above**



1) Adapted from Minnesota State University, Mankato Student Consulting on Teaching Request Form

Program Supports Faculty Innovation And Changes Student Perceptions of Learning

"I work with students more as colleagues, more as people engaged in similar struggles to learn and grow. **I have become even more convinced that students are experts in learning and essential partners in the task of creating and developing new courses** and refining existing ones."

Faculty Partner at Bryn Mawr College

"This experience has made **me increasingly alive to both the professor's perspective and to my own responsibilities as a student** in creating and maintaining a positive and effective learning environment for all members of the class."

Student Consultant at Bryn Mawr College

1

Reduce course DFW rates and help eliminate demographic disparities in academic performance

2

Bring experiential learning opportunities to scale

3

Facilitate the use of open educational resources (OER) to reduce student course costs

4

Promote data-informed teaching practices by facilitating scholarship of teaching and learning

5

CODA: Near- and future-term teaching and learning innovations

Experiential Learning a Growing Priority

But Plans to Increase Participation Face Key Scalability Challenges



Innovative career office programming...

New approaches to student and alumni engagement have enhanced the impact of Career Services



...but only reaching a small population of students

- Median FTE of 4 staff
- Up to 1:6,000 student-to-advisor ratio



Growing focus on internship placement...

Participation rates are at decade highs, and internships are now a competitive prerequisite in many fields



...but not always accessible to all students

- Many internships are unpaid and/or non-credit-bearing
- Underrepresented students lack the time, network, and funds to participate



Growth in experiential learning requirements...

More universities are requiring hands-on learning experience to graduate



...but faculty may not know about all available resources

- Uneven adoption between academic and pre-professional disciplines
- Faculty need additional pedagogical support to create in-class experiential opportunities

Longstanding EL Supporters

CTL Programming Helps Faculty Bring High-Impact Practices to Classroom



Service and Community-Based Learning

CTL acts as a clearinghouse for best practices and tools, to help faculty redesign courses to incorporate high-impact practices into their courses



Experiential Learning Specialist

CTL hire faculty fellows or EL-dedicated professional staff to lead workshops, provide individual consultations, and organize EL-related intensive institutes



Collaboration with Career Services

CTL either directly oversees career services or is part of the same reporting structure to facilitate employer and community partnerships



Ryerson
University

IOWA STATE
UNIVERSITY



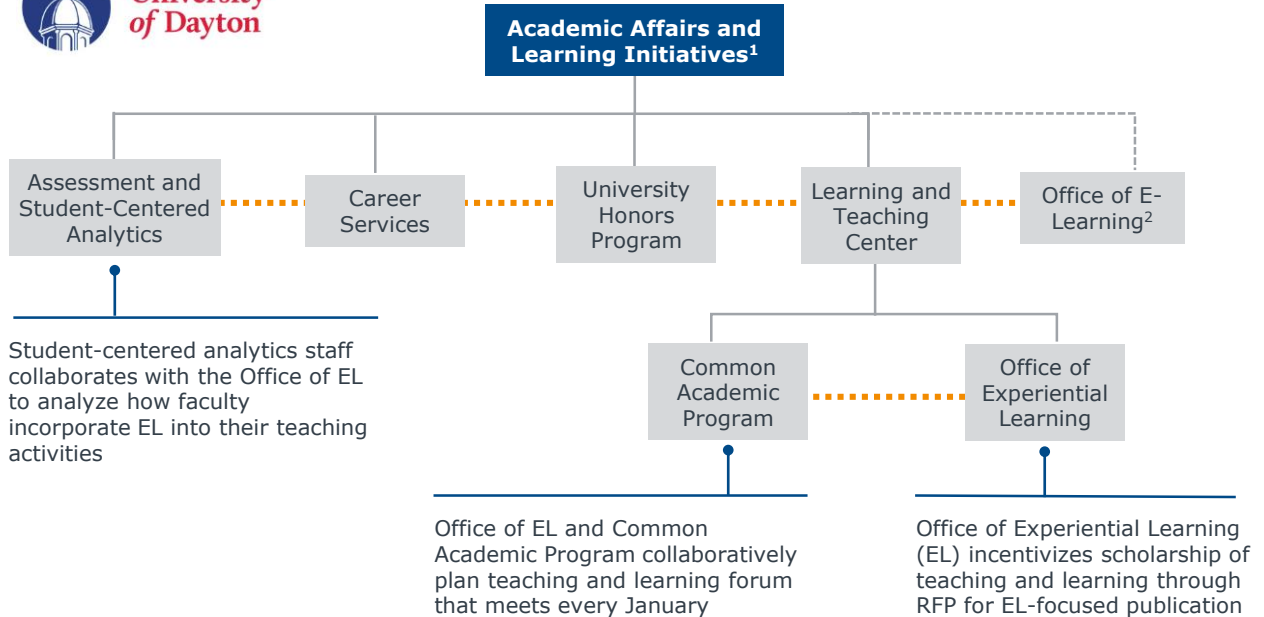
UNIVERSITY
OF THE FRASER VALLEY



For more information, please see *Integrating Academic and Career Development* on eab.com

Facilitating Inter-Unit Collaboration

Leverage Organizational Structures to Scale EL Across the Curriculum



1) Graphic includes a subset of units that are included within the Academic Affairs and Learning Initiatives division.

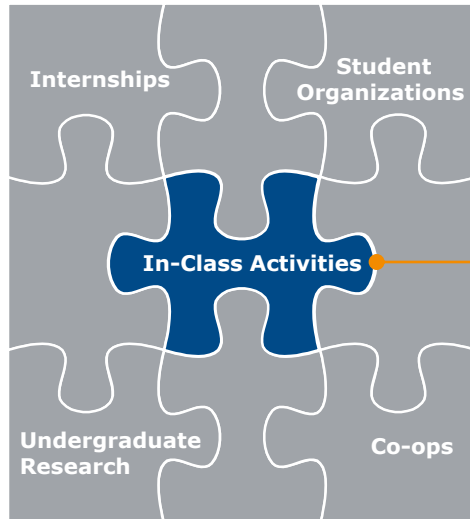
2) Reports to Associate Provost for Information Technology

Finding The Missing Piece

Use CTL Activities to Facilitate In-Class Student-Led Knowledge Production

Common EL Opportunities Allow Students to Create Knowledge Outside Classroom But Neglect In-Class Activities

VANDERBILT  UNIVERSITY



CTLs Can Help Instructors:

- Use class assignments to allow students to solve real-world, unsolved problems.
- Allow students to share work with peers as well as faculty.
- Give students greater autonomy in their work.



Vanderbilt's CTL-led **Celebration of Learning** exhibition allows students to share their projects and participate in student-faculty panels about the course learning dynamics.

Putting Students in the Driver's Seat

Student Involvement in Pedagogy Boost Student Experience and Learning



Socratic Syllabi

Faculty prepare learning outcomes and schedule, while students work together to decide on assessment activities



Student-Generated Question Banks

Students learn about Bloom's taxonomy and contribute to multiple-choice question bank that is used to develop assessments



Ungrading

Students semi-regularly reflect independently, with peers, and faculty on their learning and course performance



"If, as teachers, we just ask students why, when and how they learn, what we can get back is way more valuable than any standardized assessment mechanism can reveal."

*Jesse Stommel, Executive Director, Division of Teaching and Learning
University of Mary Washington*

Source: Teplitski, M., Irani, T., Krediet, C. J., Di Cesare, M. and Marvasi, M. (2018), Student-Generated Pre-Exam Questions is an Effective Tool for Participatory Learning: A Case Study from Ecology of Waterborne Pathogens Course. *Journal of Food Science Education*, 17: 76-84.; Hudd, Suzanne S. "Syllabus under Construction: Involving Students in the Creation of Class Assignments." *Teaching Sociology*, vol. 31, no. 2, 2003, pp. 195-202. *JSTOR*; Dan Berrett, "A Professor Asked His Own Students to Write Their Own Exam Questions. Here's What He Found." *The Chronicle of Higher Education*, March 28, 2019. Colleen Flaherty, "Professors' reflections on their experiences with 'ungrading' spark renewed interest in the student-centered assessment practice", *Inside Higher Ed*, April 2, 2019.

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Reduce course DFW rates and help eliminate demographic disparities in academic performance

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CODA: Near- and future-term teaching and learning innovations

Affordability Concerns Reach Individual Courses

Open Educational Resources Increase Equity, But Adoption Remains Slow

The Problem

54

Increase in textbook costs was 54 percentage points higher than the overall increase in the consumer price index (2002-2012)

The Impact

65%

Of students decided not to purchase a textbook because it was too expensive

Long-term Consequences

50%

Almost 50% of students indicated that the cost of textbooks impacted their decision to take a course

Key Barriers to the Adoption of Low-Cost Textbook Alternatives like OER

- ✘ Guidance needed to prioritize which courses to target
- ✘ Difficult to identify high-quality, discipline-specific resources
- ✘ Need to redesign courses to effectively integrate OER into pedagogy
- ✘ OER development and maintenance requires release time or dedicated staffing

Opportunity for CTL to Support OER Adoption

Potential Approaches Can Achieve Multiple Student Success Goals

**Less Intensive
Course Redesign**

**More Intensive
Course Redesign**



Tap into OER Repositories

- Ideal for introductory and general education courses
- Involves limited pedagogical redesign support
- Opportunity to partner with library and other relevant offices on campus to scale efforts



Provide Grants to Create OER

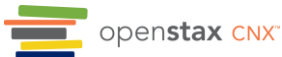
- Target courses with high-enrollment, high DFW rates, and expensive textbooks
- Work with institutional partners to provide necessary technical, logistical, and pedagogical support. For example, helping faculty redesign courses to use non-textbook materials or helping them create a cohesive narrative around disparate learning materials



Facilitate In-Class OER Development

- Ideal for upper-division courses
- Allow students to help develop learning materials:
 - Students gather public-domain texts and create discussion questions for new textbook
 - Students revise existing resources to make them more inclusive

BCcampus  OpenEd



Plymouth State
UNIVERSITY



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-

SoTL is Rising in Prominence for T&L Offerings

CTLs Expanding Services for the Scholarship of Teaching and Learning

Of 39 Functional Services, SoTL is the Top Choice for CTL Addition or Expansion

Top three services that CTL Directors indicated a desire to add or expand

- 1 Scholarship of teaching and learning
- 2 Midcareer and senior faculty development
- 3 Mentoring programs for underrepresented faculty

Percentage of CTL Directors who Indicated Expanding SoTL Support is a Top-3 Priority, By Institution Type

43%

Liberal Arts Colleges

Currently, none of the CTL directors surveyed indicated that SoTL was a signature program

30%

Comprehensive Universities

Only 14% of CTL directors identified SoTL as a current signature program

22%

Research and Doctoral Universities

R1 Universities currently provide SoTL support, but see an opportunity to expand

10%

Canadian Institutions

SoTL a long standing priority at Canadian institutions

Scholarship of Teaching and Learning Helps Faculty Evaluate their Teaching Impact



“We support colleagues who are not learning scientists, but who are experts in their own discipline. They have ideas from the literature that they want to implement in their context, or they have some innovative ideas or technology tools they want to try. **It’s natural to want to know if it works, how it works, where it works, and where it doesn’t work so they can make appropriate and targeted improvements.** We are delighted to help faculty members measure how their teaching and learning projects are going.”

Marsha Lovett

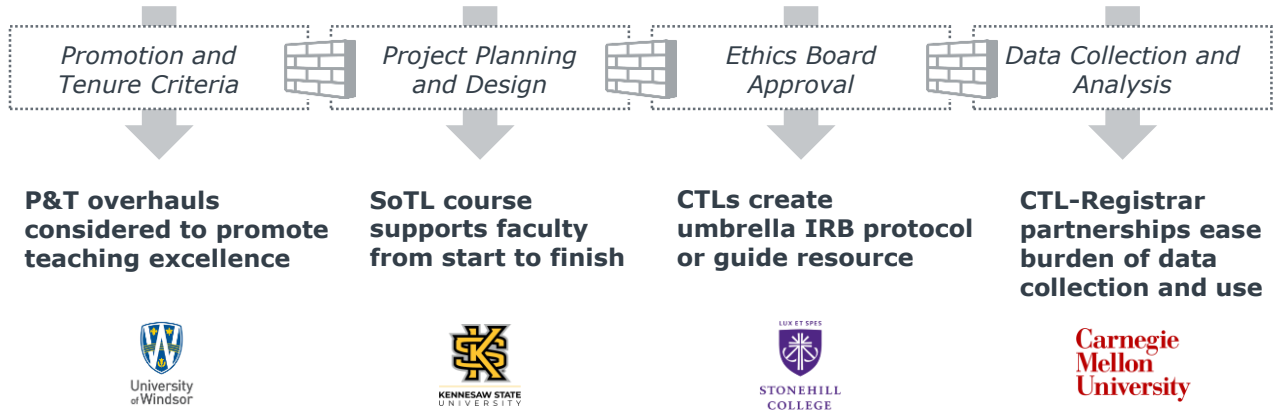
Associate Vice President for Educational Innovation and Learning Analytics and
Director of the Eberly Center,
Carnegie Mellon University



Four Barriers to SoTL Expansion

Concerns about Recognition, Methodology, and Data Limits Participation

Participation in Scholarship of Teaching and Learning



“The current institutional structures and processes of colleges and universities are not designed to facilitate the development, testing, sharing, and adoption of evidence-backed practices which improve student success. The IRB process is just one (very painful) example. The disincentive for faculty on the tenure treadmill is another.”

- Michael Feldstein, *e-Literate* blog

Overcoming the IRB Hurdle

CTLs Save Faculty Time with SoTL IRB Approval Support



Faculty who have no experience with human subjects research confused by IRB process



IRB Proposal Guide



Bureaucratic process is a burden for time-strapped faculty



Umbrella IRB Protocol



Creating consent language for students is a daunting task



Consent Form Designer



“We are happy. The faculty are happy. The IRB is happy because they don’t have to support as many faculty who are unfamiliar with the process and yet are essentially applying for the same procedure... I think this IRB component is really key.”

- Marsha Lovett, Associate Vice President for Educational Innovation and Learning Analytics and Director of the Eberly Center, Carnegie Mellon University

Two Data Partnerships Aim to Expand SoTL

Internal Registrar Helps CMU Faculty, While New Open Initiative Serves Field

Partnerships with the Registrar and IR Facilitate Data Use



- Helps faculty identify valid control groups for SoTL projects
- Maintains confidentiality of student data
- Streamlined avenues for faculty to acquire and analyze student data

LearnSphere Serves as Hub for External Data Resources

DataShop

Repository with analysis and visualization tools

Tigris

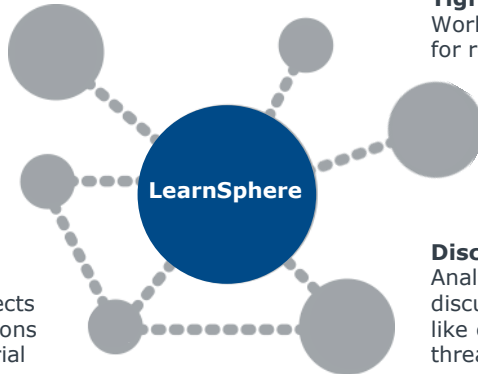
Workflow tool for research projects

DataStage

Online learning platform that collects students' interactions with course material

DiscourseDB

Analysis tool for discussion-based learning, like chats, discussion threads, and wikis



LearnSphere by the Numbers

9

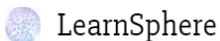
Linked repositories for existing datasets

7

Linked data tools

1550+

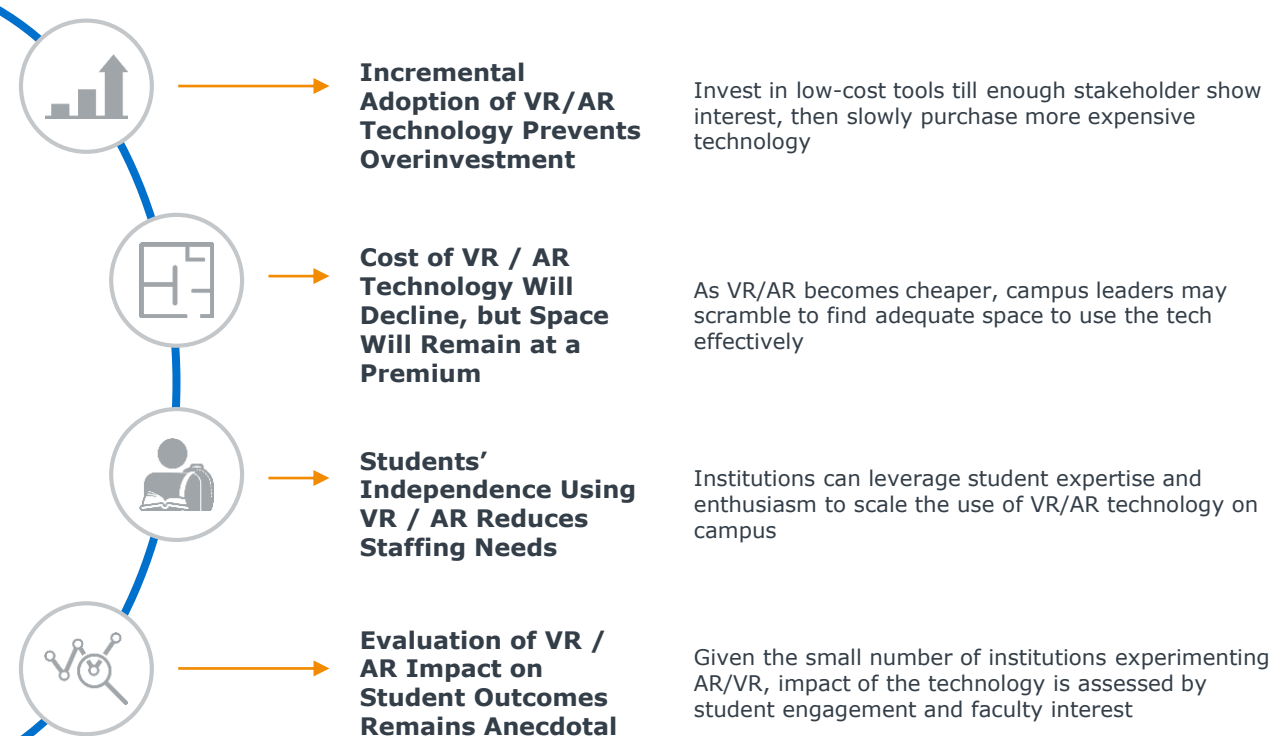
Datasets available through DataShop



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-

Proceeding Cautiously with AR/VR Technology

Four Important Considerations When Making an Investment



Changing With The Times

Leverage Games for Student and Academic Engagement Opportunities

GAME-BASED LEARNING



"Fortnite May Be Addictive, But Could Also Promote Learning, Say Stanford Experts"

"Gaming addiction classified as disorder by WHO"



"Games have the potential to make learning more relevant...so many engineering students come in and they fail calculus. Games may be a way to keep them engaged."

Susan Pedersen, Associate Professor, Texas A&M University

ESPORTS

6

number of NACE¹ members in 2016



128

number of NACE¹ members in 2019



New eSports Programs Create Opportunity for Retention Gains

"Since launching the esports program...we've been able to reach new groups of enrolled students who weren't previously engaged in campus life and recruit prospective esports students looking for an opportunity to compete."

Randy Sieminski, Director Athletics, SUNY Canton

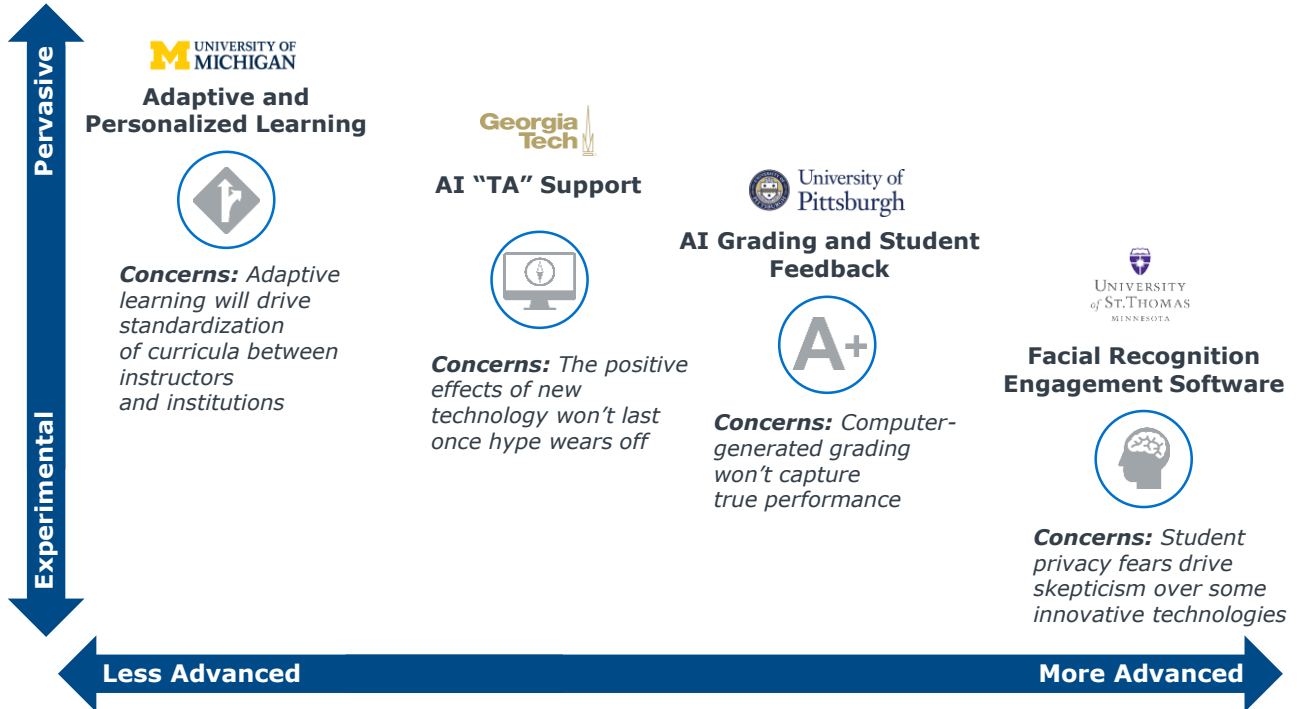
Growth in Field Creates Opportunity for New Academic Programming



Source: Jane Wakefield, "Gaming addiction classified as disorder by WHO", *BBC*, January 2, 2018; Patti Zarlino, "Can video games help students learn complicated concepts?", *Education Dive*, March 20, 2018; Jeremy Bauer-Wolf, "Video Games as a College Sport", *Inside Higher Ed*, June 9, 2017; Eli Zimmerman, "Universities Invest in Esports Academic Opportunities", *EdTech*, November 26, 2018; Jeremy Bauer-Wolf, "Video Games: Entertainment or Sports?", *Inside Higher Ed*, February 12, 2019; Joe McAllister, "Universities Use New Esports Programs to Entice Students", *Edtech*, March 18, 2019.

Align AI Practices with Classroom Priorities

Guiding the Conversation on AI in the Classroom



Thank You For Your Participation!



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