

Transformative Tech

Navigating Emerging Technology
Trends on Campus as a Disability
Professional

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Hello!

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Company Transformation



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Agenda

1. Introduction & Agenda
2. Transformative Tech Topics
3. Application & Examples
4. Reflection & Understanding
5. Questions & Discussion

Why is this important?

Collaboration

The dismantling of silos is more important than ever, we work in a larger ecosystem of our campuses and the field of higher education.

The influence of technology

Centrality of technology to our lives, core component of how our campuses operate and how we do our jobs.

Pivotal time

Connectedness is more important than ever given the rocky landscape that is ahead of us.

Enhance and amplify your work

Alignment with this work elevates your office and the support you can provide to students, stewards of accessibility and student support.

Technology's intersection with our work

Assistive technology

Assistive technology is technology, and becoming more central to how individuals with disabilities navigate the world.

Implications of edtech in student support

Well created assistive technology becomes ubiquitously used by those outside of the disability community, neurodiversity.

Digital accessibility

Focus on creating a more digitally accessible world - now with guidance and legalese.

Powerful impact on our work

Technology can enhance and support our work given the current climate and what is on the horizon, i.e. budgets, enrollments.

Digital Transformation

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What is Digital Transformation?

- “Digital transformation in higher education is the strategic use of digital technologies to improve the educational experience of how institutions operate. It involves a comprehensive approach that changes how institutions deliver value to students and staff, and requires a strategic approach across multiple departments, faculties, and campuses.”

Key ideas about digital transformation

Strategic Plan for technology

Long term planning with stakeholders focused on goals and impacts technology can make on the educational experience.

Implementation of identified assets

Putting into practice identified technologies to improve campus offerings.

Review and reflection

What has worked? Have we seen an impact? What are campus' thoughts?

Iterative process

Where do we go from here now? What has changed in academia that we need to be mindful of?

Examples of digital transformation

Online learning platforms & tools

Learning Management Systems, publisher platforms, communication facilitation systems, GSuite, Zoom, accessibility tools.

Data & analytics for personalization

Systems which analyze data, identify opportunities for more individualized support, learning opportunities and pathways, students at-risk.

AI to augment and support

Task automation (i.e. grading, content creation), tracking and progress monitoring.

Gamification

Increased engagement through badging, points contests which has been shown to increase motivation and follow through.

Key statistics on digital transformation

“About two out of three CTOs said that digital transformation of their institution is essential (23 percent) or a high priority (39 percent).”

“Regarding their institution’s priority areas for digital transformation efforts, many CTOs (81 percent) cited student success.”

Source: [Most Campus Tech Leaders Say Higher Ed is Unprepared for AI's Rise](#)

Application of digital transformation

Increased access to AT

Assistive technology is technology, and is becoming more central to how individuals with disabilities navigate the world.

AT becoming EdTech and built-in tools

Increase availability of AT tools and accessibility features innately built into software tools and platforms.

Digital accessibility efforts owned by campus

The shared responsibility of digital accessibility of campus stakeholders and departments; the adoption of accessibility focused tools to support these efforts to become a more inclusive campus.

Let's reflect on digital transformation

Is your campus focused on digital transformation? If so, what is involved in this process and are you a part of it?

What is your campus doing to focus on digital transformation to provide sustainable support for the learners coming to your campus this coming year and beyond?

What are some steps you can take to better understand or support the digital transformation being done on your campus?

Artificial Intelligence

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What is AI?

- Computer systems that perform tasks which typically require human intelligence.
- Analysis of datasets, reasoning, learning, perception, problem solving, natural language processing, pattern recognition.

Key ideas about AI

Rapid development and evolution

Tools and capabilities are constantly emerging, making it challenging to keep up.

Sweeping potential

Ability to support teaching, streamline administrative tasks, enhance engagement and experience.

Digital readiness

Productive use requires skill building, confident use, and support for users.

Human collaboration is key

AI will best support humans when thoughtfully integrated to augment the strengths of humans, as opposed to replacing humans.

Key challenges about AI

Equity

Are these tools built with equity in mind? Does it include voices and experiences of all? Example: disability community

Access

Who are these available to? Example: institutional type

Academic integrity

Is it being used for good or malice (unintentionally or intentionally) by learners or instructors?

Campus readiness

Are segments of our campus populations ready; training, support, resources digital literacy, and mindset.

Key types of AI

Generative AI

ChatGPT, Gemini

Predictive Analytics

Early Alert systems, predicting outcomes

Assistive AI

Built into tools to better support a learner engage with a tool or content

Conversational AI

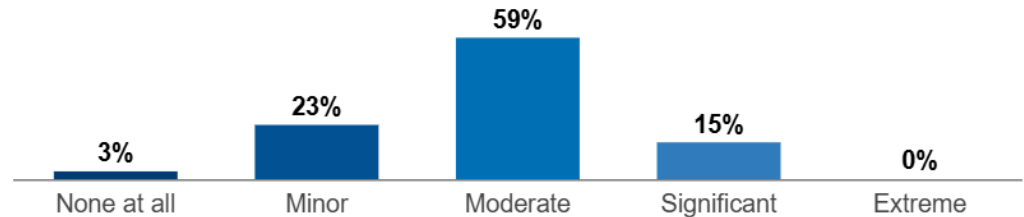
Talk with a Generative AI tool - [Becca from ElevenLabs](#)

Key statistics on AI and academic integrity

“Three in four chief technology officers say that artificial intelligence has proven to be a moderate or significant risk to academic integrity.”

Source: [AI and Threats to Academic Integrity: What to Do](#)

CTOs on how much of a threat to academic integrity generative AI has proven to be at their institution (n=108):



Key statistics on AI and academic integrity cont.

"...[of] presidents, provosts, deans and other senior leaders... 59 percent said cheating has increased since generative AI tools have become widely available, with 21 percent noting a significant increase - and 54 percent do not think their institution's faculty are effective in recognizing generative AI-created content

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Source: [AI and Threats to Academic Integrity: What to Do](#)

Key statistics on AI & student use

"42 percent of students use generative-AI tools daily or weekly in the spring of 2025, up from 36 percent the previous spring."

"...the ways in which students commonly use AI: including to start papers and projects, summarize long texts, brainstorm, explore topics, edit writing, solve math problems, conduct research, tutor themselves, and create lesson plans."

Source: [AI to the Rescue](#)

Student use case

“It began with an anatomy and physiology course... she asked ChatGPT about a bone that she didn’t quite understand, and was amazed by the clear explanation. Abeldt began building her AI arsenal. She used ChatGPT and watched YouTube videos to break down complex topics. Perplexity, an AI-powered search engine, helped her find information. Google NotebookLM turned class notes and lecture slides into study guides and podcasts, which she listened to on the way to class. Quizlet made flashcards and ChatGPT created mock exams and quizzes. Abeldt even used AI to develop a study plan to avoid procrastinating or spending too much time on any one assignment. She followed its guidance, and it worked.”

Source: [AI to the Rescue](#)

Application of AI

AI voices in text-to-speech

AI voices have become the norm in programs providing key literacy support to students.

AI summaries in notetaking or transcription tools

More accurate and robust summaries of notes taken or audio recordings of lectures.

Summarization tools

Provides summaries of documents and chapters to support the comprehension and reading preparedness of the learners reaching our campuses.

Remediation & accessibility

Built into document remediation software to ease the work and expedite outputs during the creation of accessible documents.

Let's reflect on AI

Where is your campus on their AI journey?
Where are you on your AI journey?

What is the general sentiment of your campus and the key groups (students, faculty, staff, IT/Instructional Design) about AI use and adoption?

How or in what ways are you and/or your campus adoption (or rejecting) AI to support learners academically?

Campus of the Future

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What is the campus of the future?

- Encompasses the physical and virtual campus in the years to come.
- Includes not only the physical campus but the online and hybrid campus and learning spaces along with the methods and ways we support students both in person and online.

Key ideas about the campus of the future

Flexible learning

Blended models and hybrid learning, combining in-person and online experiences, which support diverse learning styles and life circumstances, such as workforce development.

Data-driven decision making

Data and analytics will drive decisions and efforts around institutional strategy, student support and improving outcomes.

Holistic student experience

Continued prioritization of mental health, community building, well-being, and career readiness in addition to academics.

Technology to enable, not replace

Tools to enhance teaching and learning, operations and supports for students, with human connection remaining central and vital.

Key challenges about the campus of the future

Student connectedness

Student connectedness and belonging are key components of student success on campus.

Student engagement

Is this format giving students the opportunity at an education they otherwise wouldn't be able to have? Or is remote participation creating challenges for completion?

Student support

How do we provide the key supports students need in an online or hybrid environment; which is not easy to replicate and adapt from in-person methods?

Staff and faculty capacity

Preparedness, time and resources to support evolving student need alongside and new and evolving technologies.

Key statistics on the campus of the future

Enrollment of one or more online classes has increased since 2012.

Source: [Proof Points: Most college kids are taking at least one class online, even long after campuses reopened](#)

“Institutions should plan for 75% of overall enrollment to be online and 25% in-person in the next 10 years as online continues to expand rapidly.”

Source: [10 trends to watch in distance learning from American Associates of Community Colleges](#)

Application of the campus of the future

Digital and physical access

Prioritization of digital and physical accessible due to regulations, with a goal of barrier-free and inclusive campus 'spaces'.

AI powered accessibility tools

Infusion of AI into tech tools will increase access, making learning materials more accessible, image descriptions, TTS, captioning.

Continued reliance on UDL

Ongoing commitment to UDL as a principle to drive course design and experiences which support all learners.

Personalized learning environment

Adaptive and flexible technologies and methods of delivering content to support the diverse needs of students.

Let's reflect on the campus of the future

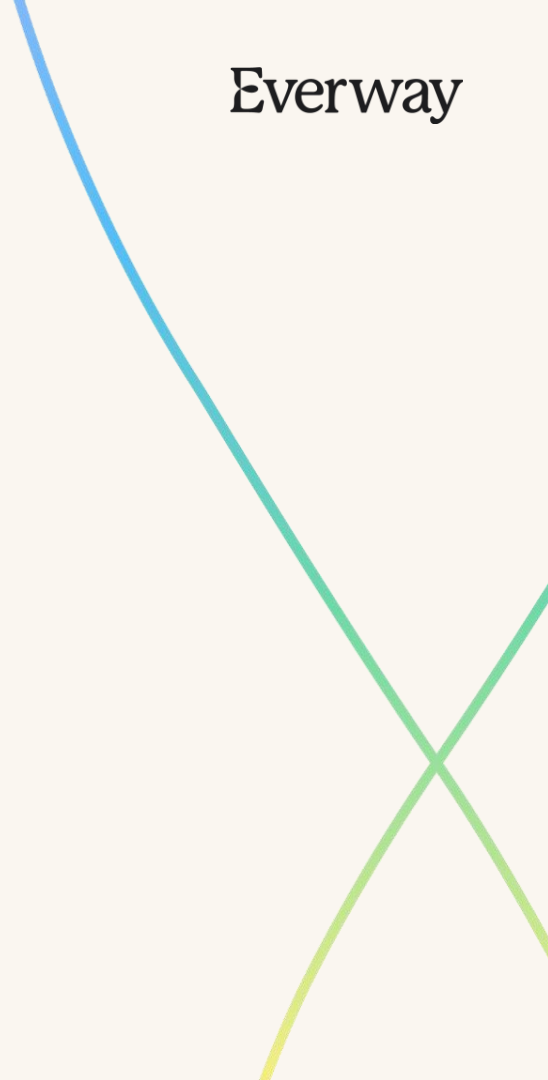
How prevalent are this next generation of courses on your campus?

What is your campus doing to intentionally support the learners engaging in these types of courses?

How has your office reacted to this evolution of learning format? Has your processes changed in regards to supporting students?

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Data-Driven Decision Making



What is data-driven decision making?

- Utilizing data and analytics to drive decision making about aspects of your campus; such as student support, allocation of resources, and adoption of software.
- Academic Return on Investment (AROI) is a key metrics used in higher education.

Key ideas about data- driven decision making

Data is truth

Data and analytics provides clarity instead of ambiguous decision making.

Guides decision making

Objective methods of making hard decisions in turbulent times.

Even bad data is good data

Baseline levels provide catalyst for goal setting, active implementation and accountability - and are all part of the story of data and analytics.

Guidance towards action

Insights which are key for improving student success, individual support, meeting our learners where they are at.

Budgets, funding & resources allocation

Informed prioritization

Data used to identify and fund which initiatives, programs or services will have the biggest impact on student success.

Improve efficiency

Analysis of operational data to find opportunities for cost savings and better resource utilization while being mindful of impact and quality.

Equity-focused investments

Use data to ensure equitable resource distribution, addressing key group of learners and supports populations most in need of support.

Demonstrating impact

Leadership and stakeholders use outcomes data to justify budget request and demonstrate a return on investment.

Key benefits about data- driven decision making

Improved student outcomes ¹

Identifying where students need support and implementing solutions.

Enhanced resources efficiency ²

Optimize spending and ensure effective use of resources.

Better strategic planning ²

Informed decisions based on long-term goal setting and objectives.

Increase institutional competitiveness ³

Effective response to changes in the market while being ahead of trends and on the cutting edge.

Reduced bias ⁴

Decisions based on data, not intuition or personal stake.

Application of data-driven decision making

Feedback & surveys

Voices of the students you support are powerful indicators of what is going well or what can be improved.

Metric tracking

Wait times for appointments, number of exams, time spend on remediation, all tell a powerful story.

Usage of technology & resources

How many students take advantage of a certain technology tool you're providing?

Let's reflect on data-driven decision making

In what ways is your campus embracing data-driven decision making? How has this changed over the last 3 -5 years?

What are some ways you can incorporate data-driven decision making into your office or work to improve outcomes this coming academic year?

What challenges or barriers does your campus face when trying to use data to inform decisions? How might you address them?

Learner Preparedness

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What is Learner Preparedness?

- Skills, knowledge, attitude and mindset students need to navigate the academic, personal and social challenges at a college or university, successfully.
- Ability to adapt to learning environments, use technology effectively, and seek proactive support.

Key ideas about learner preparedness

Academic readiness

Strong foundation of skills in reading, writing, critical thinking and math for success with the rigors of college.

Self-directed learning

Management of time, goal setting, motivation and ability to navigate challenges they encounter.

Digital and technology literacy

Effective use of technology and digital tools is essential for college and universities of today.

Social-emotional and life skills

Resiliency, grit, adaptability, emotional intelligence, ability to manage stress, collaborate effectively and seek help.

Key challenges with learner preparedness

Preparedness is multifaceted

Academics, social, emotional, and life skills all contribute a student's readiness for college.

Preparedness is a shared responsibility

Families, districts, communities and colleges and universities play important roles in preparing students.

Preparedness mindset matters

Growth mindset is essential, being open and curious helps students thrive and adapt in new environments.

Preparedness is ongoing

Preparedness and skills can be built and developed throughout college through ongoing learning, supports and experiences.

Key statistics on the learner preparedness

“...undergraduates... rated their academic functioning... overall 95.5% of students with disabilities and 90% of students without disabilities reported at least one substantial limitation in academic functioning.”

Source: Weis, R., Waters, E.A. Evidence-Based Accommodations for Postsecondary Students with Disabilities: Beware the Base Rate Fallacy. *Psychol. Inj. and Law* 16, 213–226 (2023).
<https://doi.org/10.1007/s12207-023-09471-7>

Sources reporting about college students reading ability and preparedness.

Sources: Slate, Inside Higher Ed, The Atlantic, The Chronicle of Higher Education and others

In the headlines

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EDUCATION THE ELITE COLLEGE STUDENTS WHO CAN'T READ BOOKS

To read a book in college, it helps to have read a book in high school.

By Rose Horowitz

Is This the End of Reading? Students are coming to college less able and less willing to read. Professors are stymied.



SCHOOL

The Loss of Things I Took for Granted

Ten years into my college teaching career, students stopped being able to read effectively.

BY ADAM KOTSKO FEB 11, 2024 • 5:45 AM

EDUCATION

Not-so-great expectations: Students are reading fewer books in English class

COLLEGE MATTERS

Is Reading Over for Gen Z Students?

What happens when students come to college less willing and able to do the work?

By [Jack Stripling](#) | September 10, 2024

September 25, 2024

How Much Do Students Really Read?

Students are turning to YouTube, podcasts and ChatGPT-crafted summaries rather than actually reading their assignments for class. Professors are unsure how to adapt.

By [Johanna Alonso](#)

Application of learner preparedness

Bridge or summer programming

Access to pre-college academic and skill building program to support the transition and build readiness.

First-year experience courses

Academic skills support, guidance navigating campus resources and other development for a strong foundation.

Integration of academic supports

Workshops, tutoring, mentoring, coaching, and other academic supports embedded into courses and aspects of campus life.

Proactive coaching and advising

Learner centered and personalized support in self-management, goal setting, and other skills which evolve throughout one's college journey.

Let's reflect on learner preparedness

What does "learner preparedness" mean to your campus based on the students enrolling?

How can your campus better support students in building academic and non-academic skills such as support seeking, self-management?

What are ways you can continue to develop and support learner preparedness through a student's college journey, not just upon entry?

Discussion & Questions

Let's Connect!

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Reading readiness article links

- [Slate: The Loss of Things I Took for Granted](#)
- [The Atlantic: The Elite College Students Who Can't Read Books](#)
- [Inside Higher Ed: How Much Do Students Really Read?](#)
- [The Chronicle: Is This the End of Reading?](#)
 - [College Matters Podcast: Is Reading Over for Gen Z Students?](#)
- [The Chronicle of Higher Education: Declarations of Dependence - The Many reasons students can't, or won't, work on their own.](#)