Presenters

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Getting Started

- Please introduce yourself in the chat box
- We welcome any comments and questions in the chat box – we’ll have breaks for Q&A
- Share on social media: #COVIDEdu
- Today’s slide deck and webinar will be recorded and available at https://aurora-institute.org/past-events/
Protecting Equity & Access:
Online Learning, Special Education, and Serving Students with Disabilities

April 27, 2020

National Center for Learning Disabilities
INCLUSIVE EDUCATION: A HISTORICAL CONTEXT

Full Exclusion Lens
Early to mid 20\textsuperscript{th} Century

Rehabilitation Lens
Post-World War II to Late 20\textsuperscript{th} Century

Full Inclusion Lens
Early to mid 20\textsuperscript{th} Century
CHALLENGES BY THE NUMBERS, STUDENTS WITH LEARNING AND ATTENTION ISSUES ARE...

- 3x as likely to drop-out of high school
- 41% college completion rate
- 2x as likely to be jobless
- 50% chance of involvement with the criminal justice system
What does this all mean post COVID-19?
ED TECH’S DIFFERENT USES FOR SWDS

- Accommodation
- Learning Enhancement
- Learning Environment
Technology can:

- Help identify and pinpoint student needs
- Increase accessibility and reduce stigma by decreasing barriers to learning
- Improve achievement, engagement, and outcomes
- Increase accountability by providing more detailed data on student performance
- Reduce costs by increasing efficiency

BENEFITS OF ED TECH FOR STUDENTS WITH DISABILITIES
BENEFITS AND CHALLENGES OF ED TECH FOR STUDENTS WITH DISABILITIES

<table>
<thead>
<tr>
<th>Technology can...</th>
<th>Technology can...</th>
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<tbody>
<tr>
<td>Help identify and pinpoint student needs</td>
<td>Fail to identify disability by ignoring social cues of disability</td>
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<tr>
<td>Increase accessibility and reduce stigma by decreasing barriers to learning</td>
<td>Decrease accessibility and increase stigma by not accounting for accessibility and/or singling students out</td>
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<tr>
<td>Improve achievement, engagement, and outcomes</td>
<td>Reduce achievement, engagement and outcomes</td>
</tr>
<tr>
<td>Increase accountability by providing more detailed data on student performance</td>
<td>Decrease accountability through proprietary data and lack of subgroup accountability</td>
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<tr>
<td>Reduce costs by increasing efficiency</td>
<td>Increase costs by adding inefficiency</td>
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EDUSPEAK, DISABILITY, AND COVID

Key Terms Regarding Online Learning and Education Technology:
A Resource for Educators and Parents During the COVID-19 Disruption

As an educator or as the parent of a student with a disability, you may hear a lot of new terms being thrown around during the COVID-19 crisis. Education is notorious for having a lot of terms of art (what’s often called “eduspeak”). Here are definitions of some of those terms and their implications for students with disabilities.

**Accessibility**

<table>
<thead>
<tr>
<th>What it means</th>
<th>The implication for students with disabilities</th>
</tr>
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<tbody>
<tr>
<td>Accessibility is the “ability to access” the functionality and benefit of some system or entity. This term is used</td>
<td>The creators of many education technologies that were conceived and used before COVID-19 likely didn’t envision the scale to which these tools</td>
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</table>
CIVIL RIGHTS, DISABILITY, AND COVID

- ADA
- ESSA
- IDEA
- Tech Act
- The Rehabilitation Act

Find it at: ncld.org/covid19
KEY CONSIDERATIONS FOR DISABILITIES

1. The interplay of anonymity, personalization, and accountability
2. Effectiveness for which students under which circumstances?
3. Connecting accessibility, rigor, and capacity
4. Innovation outpaces policy safeguards... for now
5. Can’t get to Bloom without going through Maslow
RECOMMENDATIONS

1. Ensure data and student outcomes are transparent
2. Do not use personalization as an excuse to water down accountability or advance tracking
3. Don’t procure technology without training educators to serve all students
4. Ensure systems accessibility: rigorous, technologically and pedagogically accessible investments
5. And........
Education Reform systems should include students with disabilities now.

Avoid retrofitting!
What is EALA?

To help ensure the continuity of special education services during remote instruction and to spotlight best practice approaches for schools and educators, an alliance of national education organizations has come together to ensure equity for all learners. EducatingAllLearners.org creates a hub of curated tools, strategies, tips and best practices for supporting students with disabilities online. Our goal is to both curate and create special education resources for educators to serve students who learn differently during this time of challenge.

Learn more at educatingalllearners.org
Close to 40 partners and growing!!!
Thank you!
Protecting Equity & Access: Online Learning, Special Education, and Serving Students with Disabilities

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Agenda for the Session

- What do we Know & How do we Apply
- Supports for Educators & Parents/Families
- Tips, Strategies, & Solutions

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Content Management Systems

- Study Island
- ALEKS®
- INTERNATIONAL CONNECTIONS ACADEMY
- k12®
- Khan Academy
- Pearson OLE®

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Learning Management Systems

- PowerSchool
- canvas
- schoology®
- Blackboard
- Google Classroom
- Seesaw

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Remote Learning

Adobe Connect
Google Hangouts
Skype
ClickMeeting
Zoom
The New Normal

• Home = Classroom
  • Structure
  • Organization
  • Schedule
  • Distractions

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Online Instruction

• Teacher’s Role
  • Instruction
  • Methods & Materials
  • Curriculum & Content

• Teacher Aide – Paraeducator – Related Service Provider = **Adult in Home**

[Image: Woman helping a child with homework]

[Image: schoolvirtually.org]
Role Reversal – Parent/Family as Teacher

- Parents are the Eyes & Ears
- What we are seeing...
- Observe the challenges...
- The antecedents...
- What is working...

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Parent/Family Member as Learning Coach

• Structuring the Day
• Supporting the Learning
• Organizing the Schedule – Environment
• Problem Solving
• Collecting Data

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Online Instruction

• Digital Learning
• Digital Instruction
• Digital Materials
• Accessible vs. Available

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National Center on Accessible Educational Materials

Bookshare
Have you ever noticed a whitish crust on the surface of soil? What is it?

The white crust forms when salt accumulates on the surface of the soil. The build up of salt in the soil is called salinization. In humid areas of the world, rain flushes the salt from the soil and carries most of it away in rivers and streams. But in arid places there isn't enough rain to flush away the salt.

When soil becomes salty, the roots of plants can't take up water effectively. If there is too much salt, the soil can even become toxic to plants!
Digital – Text-to-Speech

- Text-to-Speech Tools
  - Read Write
  - Bookshare
  - Learning Ally
  - Snap & Read
Many children we work with do not see a link between their behavior and immediate positive consequences they can receive, let alone the connection between their behaviors and their long-term impressions on others. As SLPs, these students can be challenging in many ways, not only because it can be difficult for us to get them to participate in activities that improve...
Leveled Digital Text and More...

- Fewer items per page—
  - Newsela
  - Smithsonian Tween Tribune
  - Lalilo
  - McGraw Hill Connect
Design/Plan for Distance & Online Learning

- Learner Variability
- Goals/Big Ideas
- Barriers Our Students are Facing?
- Barriers in the New Medium?
- Barriers in the Content and Curriculum?
EQUALITY
Everyone is treated the same because it is assumed the same supports will benefit everyone.
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**EQUITY**
Everyone is given different supports to have access. They are treated equitably.
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EQUITY
Everyone is given different supports to have access. They are treated equitably.

UDL
The cause of the inequity has been addressed. The systemic barrier has been removed.
Affective Network
The “WHY” of Learning
Provide Multiple Means of Engagement Principle

Recognition Network
The “WHAT” of Learning
Provide Multiple Means of Representation Principle

Strategic Network
The “HOW” of Learning
Provide Multiple Means of Action and Expression Principle
Universal Design for Learning Guidelines

Provide Multiple Means of Engagement
Purposeful, motivated learners

- Provide options for self-regulation
  + Promote expectations and beliefs that optimize motivation
  + Facilitate personal coping skills and strategies
  + Develop self-assessment and reflection

- Provide options for sustaining effort and persistence
  + Heighten salience of goals and objectives
  + Vary demands and resources to optimize challenge

Provide Multiple Means of Representation
Resourceful, knowledgeable learners

- Provide options for comprehension
  + Activate or supply background knowledge
  + Highlight patterns, critical features, big ideas, and relationships
  + Guide information processing, visualization, and manipulation
  + Maximize transfer and generalization

- Provide options for language, mathematical expressions, and symbols
  + Clarify vocabulary and symbols
  + Clarify syntax and structure
  + Support decoding of text, mathematical notation, and visual content

Provide Multiple Means of Action & Expression
Strategic, goal-directed learners

- Provide options for executive functions
  + Guide appropriate goal-setting
  + Support planning and strategy development
  + Enhance capacity for monitoring progress

- Provide options for expression and communication
  + Use multiple media for communication
  + Use multiple tools for construction and composition
Digital – Text-to-Speech

- Text-to-Speech Tools
  - Read Write
  - Bookshare
  - Learning Ally
  - Snap & Read

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Home Movies Aren’t What They Used to Be!

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Design – Digital Tools for Expression

• Digital Story Books – Book Creator – Tar Heel Reader
• Multimodal Presentations – VoiceThread – Explain Everything
• Infographics – Canva – Adobe Spark
• Cartoons - Toontastic

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Design – Digital Tools for Expression

• Speaking Assignment – Voki – Speech to Text
• Video Forum – FlipGrid – iMovie
• Writing Supports – Co:Writer – Grammarly
• StoryBoards – Story Board That
Resources for Next Steps

The Bigger Picture: Plan for Online Learning
- Making a Quick Switch to Distance Learning
- Plan & Communicate
- Prioritize Learning Goals
- Schedule Distance Learning

Design Online Lessons
- Flipping Instruction Online
- Online Learning Experience Design Worksheet
- UDL Online: Providing Multiple Means of Representation
- UDL Online: Providing Multiple Means of Action and Expression
- UDL Online: Providing Multiple Means of Engagement

Technology, Tools and Strategies
- Technology and Universal Design for Learning (UDL)
- Digital Tools for Representation
- Digital Tools for Action and Expression
- Digital Tools for Engagement
- Low Tech and No Tech Approaches to Distance Learning

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