

# Inclusive by Design: How Accessibility Transforms Learning Outcomes at Scale





**Bill Conran**  
Head of Global Sales  
**Open LMS**

### Open LMS + Brickfield Education Labs:

- Helping institutions build courses that truly support neurodiverse and accessibility-focused learners.

### Prior roles include:

- Founding sales leader at Watershed Learning Analytics
- Leadership at UL
- Advisory work with UCNLearn (reading intervention)

*My focus is on using data, inclusive design, and responsible AI to remove barriers and create learning environments where every learner can succeed.*




**BRICKFIELD**  
Education Labs



**Open LMS**

## Session Takeaways

- Accessibility as a **design philosophy**
- Analytics must move **beyond completion** to reveal how learning actually happens
- **Data shows us patterns:** how different minds absorb, navigate, and engage
- AI lets us **reshape our approach:** moving existing content into multiple formats to best serve learning styles
- **Small steps** can make learning more equitable, accessible, and impactful
- **Designing for accessibility** improves outcomes for everyone



We love learning.

**Raise your hand if you believe your learners would further succeed if you truly understood how they learn best.**





### CAST UDL Guidelines 3.0

## Design for the Edges: Everyone Benefits

- **UDL Principles**
  - Multiple means of **representation**
  - Multiple means of **engagement**
  - Multiple means of **action & expression**

**AI + data *finally* give us visibility into where and how to apply CAST UDL principles**



### CAST UDL Guidelines 3.0

## Making UDL Actionable with Data + AI

- **Gather** learning data signals
- **Identify** modality patterns
- Use AI to **reshape** content
- **Iterate** based on outcomes

**Open LMS + Brickfield provides accessible delivery + the data layer to renewal where and how to apply CAST UDL principles.**

# Student Tools

## Convert Audio

Benefits learners who process audio better than text.

## Text Documents

Allows use of personal reading tools, TTS, and customization.

## Self-Service

Eliminates disclosure barriers; Empowers independence.

## Digital Skills

Build confidence and competence in digital tools.

## Browser Guide

Shares benefits of Browser technology – most used app.

## Agency

Support learner through ownership of journey.

A Real World Perspective

**UDL, accessibility, and inclusive design only work when the learning environment is reliable.**

*“It was important to us that whatever interface we had was engaging, it also had to be accessible, and the technology itself really has to be reliable. I was a school teacher in another life and know from experience that there's nothing worse than being in front of a room full of students and the tech doesn't work.”*

**Marshman Foundation**





# Responsible Data & Ethical AI

- Data must be **transparent, secure, and institution-owned**
- **Privacy, consent, and human oversight** must guide AI usage
- **Patterns of choice** over labels
- Inclusive design begins with **responsible stewardship**
- Align with **EU standards**



# Danke!



**openlms.net**



**contact@openlms.net**



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