Blackboard's Vision for Its Teaching & Learning Portfolio

Jim Chalex
Vice President, Product Management

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Director, Learn Product Management
Statements regarding our product development initiatives, including new products and future product upgrades, updates or enhancements represent our current intentions, but may be modified, delayed or abandoned without prior notice and there is no assurance that such offering, upgrades, updates or functionality will become available unless and until they have been made generally available to our customers.
T&L Strategy & The Year in Review
Blackboard EdTech Platform

Blackboard

LMS

FLEXIBLE SOLUTIONS

DATA-DRIVEN INSIGHTS

CONNECTED EXPERIENCE

#TLCANZ18
Our Approach

Content discovery

Social media tools

Data & Analytics

Collaboration

Plagiarism Prevention

Outcomes Assessment

Accessibility

Mobile Apps

LMS
### Investment in the Original Experience

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Continued update cadence</strong></td>
<td>Q4 ‘17 and Q2 ‘18 Releases and cumulative updates</td>
</tr>
<tr>
<td><strong>Quality improvements</strong></td>
<td>Bug fixes and maintenance, updated technologies, responsiveness &amp; mobile optimisation</td>
</tr>
<tr>
<td><strong>New feature development</strong></td>
<td>Attendance, audio/video feedback</td>
</tr>
<tr>
<td><strong>Support for self-hosted and managed-hosted deployment</strong></td>
<td>Installer improvements, automated update procedures, improved performance testing</td>
</tr>
<tr>
<td><strong>Extension and integration support</strong></td>
<td>LTI and standards updates, new REST APIs</td>
</tr>
</tbody>
</table>
Original and Ultra Experiences:
In-line Marking (New Box View)

Download Annotations

History of Astronomy

Astronomy is the oldest of the natural sciences, dating back to antiquity, with its origins in the religious, mythological, cosmological, calendrical, and astrological beliefs and practices of prehistory: vestiges of these are still found in astrology, a discipline long intertwined with public and governmental astronomy, and not completely disentangled from it until a few centuries ago in the Western World (see astrology and astronomy). In some cultures, astronomical data was used for astrological prognostication.
Blackboard Learn: Original Experience

- Enhancements through platform features
- Iterative feature improvements
- Mobile optimisation and responsiveness
- Data access and insights
- Standards and interoperability
- Quality and maintenance
SaaS Momentum

428 clients using our SaaS delivery model

63 additional migrations underway

23 more evaluations and pilots

aws competency

Blackboard®

#TLCANZ18
Learn SaaS Global Footprint

Current:
- USA
- Germany
- Canada
- China
- Australia/NZ

Planned:
- South Korea
- APAC: Singapore
Blackboard Learn: Ultra Experience

- Simply powerful tools that engage
- Designed for all devices
- Deeply accessible
- Embedded analytics for insight and action
- Open to integrate, extend, and access your data
- Learning 24/7/365, always on, always updated

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Recent Learn Ultra Feature Highlights

- Attendance
- SafeAssign
- Institution Page (new tabs & modules)
- Audio/Video Capture
- Conditional Availability (new adaptive release)
- Test Question Banks

Blackboard
Ultra Momentum

91 clients using Ultra in production

34 additional pilots underway

274 clients in the Spring & Summer ‘18 cohorts
Flexibility to Change at Your Own Pace

Turn on the Ultra Base Navigation and choose:

- All Original Courses
- Dual Course Mode
- All Ultra Courses
Learn Ultra Feedback

Add Content - so clean and so easy to use, and so easy to add any content (or tool/assessment) anywhere you want - just click that button and off you go. Much cleaner.”

*Ian Holder, Charles Stuart University*

The new programs are facilitated by [instructors] who find the Ultra interface intuitive, and their students have moved to it very quickly with little support.”

*Danny Munnerley, James Cook University*

I am glad to see the basic workflows from an instructor perspective that are now just a click away.”

*Tara Whitson, Tarleton State University*

Discussions are much more streamlined and easier to follow.”

*Jennifer Albat, Southern Illinois University Edwardsville*

Workflow - everything is so much easier, efficient, and intuitive.”

*Barry Lamb, Lincoln Land Community College*
CourseSites

http://new.coursesites.com/
When Was the Last Time You Looked at Learn Ultra? It’s Time to Take Another Look!

Attend an Ultra client session

Sign up for an Ultra cohort

Participate in Ultra Usability testing

Check out the new CourseSites with Ultra
Maximising Collaboration Across Your Institution

- Office Hours
- Group Collaboration & Meetings
- Virtual Classrooms
- Events & Webinars
Collaborate Highlights

- **Countdown timer**
- **Recording post-captioning**
- **Telephone-only dial-in**
- **Improved reliability & scalability**
Elements of Our Mobile Strategy

**Blackboard App**
Enables learners to easily stay up-to-date, quickly access marks and course content, and interact with their classmates and academics whilst on the go.

**Blackboard Instructor**
Enables educators to manage courses, send announcements, connect with students, and mark assignment submissions.

**Responsive Web**
Provides an enhanced web experience that supports various device modalities, sizes, and orientations.
Mobile Year in Review

**Blackboard: New feature development**
- Improved responsiveness, enhanced accessibility, offline content

**Blackboard: Market acceptance**
- 6.3 million downloads, 4.6 star rating, CODiE Award

**Blackboard Instructor: What’s new**
- Marking now available!

**Blackboard Instructor: Marking based on your feedback**
- Marking beta tested by 38 institutions
Assignment Marking:

- Review assignment submissions and attachments
- Provide comments and inline annotations
- Mark with rubrics
- Publish marks to students
Blackboard Ally

**Alternative formats**
Automatically checks for accessibility issues and generates alternative accessible formats.

**Instructor feedback**
Guides academics on how to improve the accessibility of their course content and alters future behaviour.

**Institutional report**
Provides detailed data and insights to help further improve course content accessibility at the institution.

#TLCANZ18
Blackboard Ally

Progress Since Launch

- 177 institutions are fully live in production
- 20 languages supported
- 14 countries
- 7.7M courses processed
- 219M content items processed
Moodlerooms Momentum Continues to Grow in 2018

On track to add **250+ customers** this year

**7 out of 10 customers** have gone beyond their LMS
Moodlerooms
Innovation

Design thinking

Viral Replication

Instructions  Google Drive

Generate download link  Copy to my google documents

File  Google Drive  OneDrive  Website  Video

Google Drive /
  1. Analytics 101
  2. Linear Algebra
  3. Books
  4. Microbiology
Moodlerooms & Moodle Certified Partner program

Blackboard has decided to leave the Moodle Certified Partner Program

Main reason: growing difference in priorities, especially our focus on SaaS

Nothing changes regarding releases, but this is a name change: OpenLMS

We have, and will continue to contribute to Moodle core
SafeAssign

- **Performance improvements — move to AWS**
- **Redesign for Ultra and Essay questions**
- **Growing corpus**
- **Now available for Moodle and Moodlerooms**
Analytics Progress

- Authentic assessment and rubric analysis
- Granular tool detail
- Predict: New communication workflows
Blackboard’s Openness

- IMS Leadership
- REST API development
- Open Content in the Content Market
- IMS standards, including LTI Advantage
- Partnership support and growth
- Open Education Initiative
The Road Ahead
Blackboard
EdTech Platform
## Blackboard Learn: Ultra Experience

### Roadmap Summary

### Planned capabilities

#### Course Design
- Conditional content availability (advanced)
- SCORM Content Support
- Centralized curriculum control for facilitators
- Institution Color Selection
- Enhanced group workspaces
- Advanced SCORM support
- Additional native content types

#### Assessment
- Question Pools (random block)
- Question Banks (advanced)
- Calculated questions
- Assessment exceptions management
- Un-submitted work counts as “zero” in gradebook
- Anonymous and Delegated Marking

#### Communication
- Institution Page: additional modules
- Institution Page: REST API integrations
- Institution Page: multiple brands
- External calendar synchronization
- Synchronous chat

#### Integrated Workflows
- LTI Advantage
- LTI Deep Linking
- REST APIs (additional)

#### Embedded Analytics
- Additional Discussion analytics
- Goal performance visualization
- Additional attendance sources

#### Worldwide Use
- Support for additional locales
- Right to Left language support
- Additional regional availability

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Subject to change without notice

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**Next Roadmap Session:**
Tuesday, 25 Sept, 11am-12:30pm AEST
Our Approach

- Content discovery
- Collaboration
- Social media tools
- Plagiarism Prevention
- Data & Analytics
- Outcomes Assessment
- Accessibility
- Mobile Apps

LMS
Today:
Quick Access to Virtual Classroom
Connected Experience with Presence

Assignment 2: Self Learning AI

Conversations

- My Group

- Type a response

Alain Aubert
4/3/18, 12:21 PM
GeopmInd is program of artificial intelligence, aimed at solving intelligence, learning from itself and then using that to solve everything else. The process uses reinforcement learning which is similar, on a very base level, how we train animals.

- Reply

Mats Melberg
4/3/18, 5:25 AM
Thanks for the summary Alain! Let me know if I need to do anything else for completion.

- Reply

Group Members (11)

Find a group member

- Alain Aubert (Me)
  3 Responses | No Replie
- Fumihiko Fujita
  1 Response | No Replie
- Mats Melberg
  1 Response | No Replie
- [Blackboard Administrator]
  0 Responses | No Replie
- [Brad Evans]
  0 Responses | No Replie

Conceptual mockup. Subject to change.
What’s Next:
Easy Recording for Flipped Classroom
Today: Manual and Automated Attendance Tracking

Manual

Automatic

Conceptual mockup. Subject to change.

#TLCANZ18
What’s Next:
Automated Virtual Attendance Tracking

Learn

Collaborate

Conceptual mockup. Subject to change.
#TLCANZ18
Today: Plagiarism Prevention for Assignments and Tests

Assignments

Test Essay Questions

Introduction to Astronomy

Test: The Early Universe

Sarah Bakesale

Question 1

Describe the four epochs of the very early universe, along with their defining characteristics.

Answer

Plank epoch

Times shorter than 10–43 seconds (Planck time).

The Planck epoch is an era in traditional (non-inflationary) big bang cosmology immediately after the event which began our known universe. During this epoch, the temperature and average energies within the universe were so incoherently high compared to any temperature we can observe today, that everyday subatomic particles could not form, and only the few fundamental forces that share significant interactions—gravitation, magnetic forces, and weak interactions—were active.
What’s Next:
Plagiarism Prevention for Discussions
Today: Electronic Management of Assessment

Group, Timed Assessments

Anonymous Marking

Conceptual mockup. Subject to change.

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What’s Next:
Parallel Marking,
Peer Evaluation,
Self Evaluation,
Moderation
Today:
Cloud Storage Services Access and Retrieval
Assignment – Childhood Development
Professor Lin
July 8, 2005

The single most basic question about child development is how nature and nurture interact to shape the development. Nature refers to our biological endowment, especially the genes we receive from our parents. Nurture refers to the wide range of environments, both physical and social, that influence our development. Recent studies have established that just as the genome—the individual’s complete set of hereditary information—influences behavior, behaviors and experiences influence the genome (for example, by turning gene activity on or off). Developmental outcomes emerge from the constant, bidirectional effects of nature and nurture.

The second theme is that of the active child: How do children shape their own development? Children contribute to their own development from early in life, and their contributions increase as they grow older. Three of the most important contributions during children’s first years are their attentional patterns, their use of language, and their play. Older children and adolescents choose many environments, friends, and activities for themselves, and their choices can exert a large impact on their future.

In what ways is development continuous and in what ways is it discontinuous? Development has been described as continuous, with age-related changes occurring gradually, and as discontinuous, with age-related changes including occasional large shifts so that children of different ages seem qualitatively different. Stage theories, such as Jean Piaget’s theory of cognitive development, propose that development occurs in a progression of age-related, qualitative shifts. Research evidence of the last 20 years supports gradual rather than sudden change, often occurring by specific skill or task. Whether
Today:
Real-time Captioning

Conceptual mockup. Subject to change.
#TLCANZ18
What’s Next:
Post-recording and Automated Captioning

Automated Captioning

Recording Post-Captioning

This is how you can expect to see closed captions to appear when you enable the feature.

Conceptual mockup. Subject to change.

#TLCANZ18
What’s Next:
Detection of Videos Without Captions
Today:
Accessibility Insight

- **Institution-level**
- **Longitudinal perspective**
- **Supports continuous improvement**
**What’s Next:**
Accessibility Insight Across the Institution

**Department or Faculty**

Conceptual mockup. Subject to change.

#TLCANZ18
Today:
Analytics for Learn & Intelligence

Conceptual mockup. Subject to change.
What’s Next: Blackboard Data

- Cross-product analysis
- Open data model
- Curated insights
- Community driven
- New EdTech platform capabilities for Blackboard clients
Visit the UX Lab to meet the Product Design team and participate in a feedback session to help shape the future of our Blackboard solutions.

Or sign up for a research participant panel at: design.blackboard.com/participate
Partner with us to help build the ed tech platform

- Client / user research
- Ideas submitted on the Bb Community Site
- Client programs (Technical Previews, Cohorts, etc.)