



Concurrent Session #1004

Micro vs. Macro:

Which Learning Experience Works Best?

Robert Gadd

OnPoint Digital, Inc.

March 28, 2019



Contact Information & Download My Slides

Robert Gadd

President & Cofounder OnPoint Digital, Inc.



rgadd@mlearning.com



@robgadd4



www.mlearning.com



Download Slides & Materials via: www.mlearning.com/shows/ls2019



Company Background



- Formed in 2002 by a team of software vets & media experts to develop a cost effective LMS platform for SMB customers
- Based in Savannah, Georgia with Company-owned development team in Nelson, New Zealand
- Sell direct to enterprises (without any formal sales team) + via resellers/partners in Americas, APAC & EMEA
- Current headcount: 50 with senior staff tenure averaging 10 years with the Company
- Control marque mobilelearning.com & mlearning.com Internet domains plus CellCast brand







"OnPoint Digital is a powerhouse LMS designed to address a wide range of corporate extended enterprise use cases including customers, channel partners, employees, or a combination of these audiences. This approach is different from competitors as they have created a library of core stackable code modules that can be combined to build semi-custom learning solutions for each client. This means you get a modern, mobile/social system that is built to your exact specifications, but it's also based on proven technology. Plus, OnPoint's visual elegance and usability appeal to the 'voluntary' mindset of extended enterprise audiences."



© OnPoint Digital, Inc. All rights reserved.

Market Needs: Support for Key Use Cases





Revenues

Need #1: Sales/Channel Enablement

Sales professionals are dealing with an increasing array of information about the products and solutions they are selling to an evermore sophisticated audience in hyper-competitive markets. Having access to the right data at the right time to address customer needs is now mission critical and the ideal solution needs to be mobile, dynamic, engaging and connected.



Need #3: **Team & Leader Development**

Organizations with well prepared and actively engaged leaders & teams perform ahead of their peer groups. High performing individuals must be given access to the proper resources they require to meet their true potential so they can help drive organizational effectiveness. And the expectations of these leaders is higher than ever mandating innovative approaches and solutions that resonate with top caliber talent.







Need #2: Onboarding/New Hires

Organizations of all sizes and situations are faced with getting the most out of their new hires and making as capable and productive as possible in the shortest amount of time. Speed-to**competency** can be accelerated with intuitive. highly versatile solutions that adapt to the unique needs of every new hire while making it easier for managers to inform, educate and cultivate their teams to drive organizational growth.

Need #4: Product Launch/Ecosystems

Product launch use cases vary from traditional T&D or Sales scenarios based on their extended reach to broader, non-internal **ecosystems**. These programs are typically tied to product marketing and brand campaigns, and may be designed for either the sellers or the consumers of the new product/service mandating a new approach that's flexible in function for any size audience through whatever digital means these targeted recipients favor from online and in person training deliveed via tablets, handsets & laptops.





© OnPoint Digital, Inc. All rights reserved

Our Product/Market Fit



Our Learning Engagement Platform (LEP)

is an innovative, *mobile first* solution that enables fit-to-purpose learning and knowledge delivery to workers anytime they need it and anywhere they wish helping address L&D's ever-changing business requirements like onboarding, leadership, sales enablement, microlearning, and more.

Equal parts **LMS**, **LRS** & **LXP** (*much* more), OnPoint LEPs are unique in their ability to deliver highly customized and trackable learning solutions to any learner on any device all from a common, secure and easy to configure *private cloud*-based platform.

OnPoint **LEPs** can be deployed either independently or deeply integrated with other existing line-of-business applications, content publishers & vendor/partners.

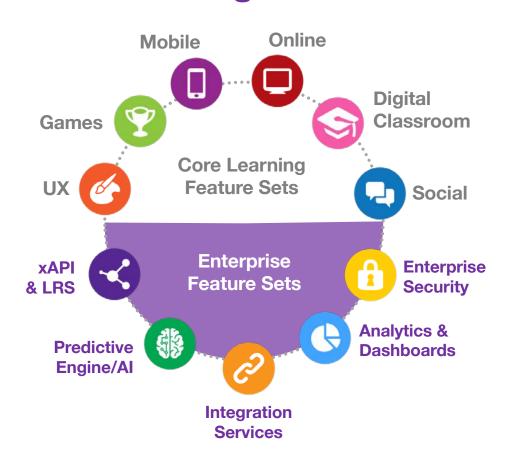
Learning Engagement Platform



THIRD PARTY CONTENT

Core Technologies & Differentiators





- Platform has vastly evolved over the past 17+ years
- Internally developed & controlled long-term team
- Heavy focus on component (feature) architecture allows "mix & match" approach
- Custom UX atop a common, easy to support codebase

Presentation Agenda

- Session Objectives & Group Experience
- Market Conditions for Macrolearning & Microlearning
- Micro & Macro: Let's Compare & Contrast
- What Happens in We Combine Macro + Micro?
- Demonstrations of Today's Blended+
- Summary + Q&A



Presentation Agenda

- Session Objectives & Group Experience
- Market Conditions for Macrolearning & Microlearning
- Micro & Macro: Let's Compare & Contrast
- What Happens in We Combine Macro + Micro?
- Demonstrations of Today's Blended+
- Summary + Q&A



Session Qualifying Questions

What's the difference between microlearning & MACROlearning?

Who has an interesting use case for microlearning in their L&D programs today?

Is anyone doing anything really exciting in **macro**learning in their L&D programs today?



Expectation Questions

Is the LMS dead? Can a combination of today's mobile apps, social interactions, and game-enabled microlearning replace yesterday's "macrolearning" platforms?

Do our training programs need to be so structured and prescriptive when "modern, adaptive" solutions are a reality?



Which is Better?









Which is Better?





Which is Better - Macro or Micro?









Presentation Agenda

- Session Objectives & Group Experience
- Market Conditions for Macrolearning & Microlearning
- Micro & Macro: Let's Compare & Contrast
- What Happens in We Combine Macro + Micro?
- Demonstrations of Today's Blended+
- Summary + Q&A



Bersin by Deloitte

changing landscape of learning

"The corporate training market, which exceeds \$130B, is about to be disrupted. Companies are starting to move away from their legacy Learning Management Systems (LMS), buying all sorts of new tools for digital learning, and rebuilding a whole new infrastructure to help employees learn."

Josh Bersin
Bersin by Deloitte
Summer 2017





Bersin by Deloitte

changing landscape of learning

Macro-Learning

I want to learn something new.

- Several hours or days
- Definitions, concepts, principles, and practice
- Exercises graded by others
- People to talk with, learn from
- Coaching and support needed

Is the author authoritative and educational?

Courses, classes, MOOCs, programs

Micro-Learning

I need help now.

- 2 minutes or less
- Topic or problem based
- Search by asking a guestion
- Video or text
- Indexed and searchable
- Content rated for quality and utility

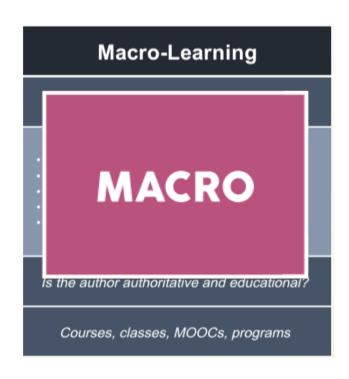
Is the content useful and accurate?

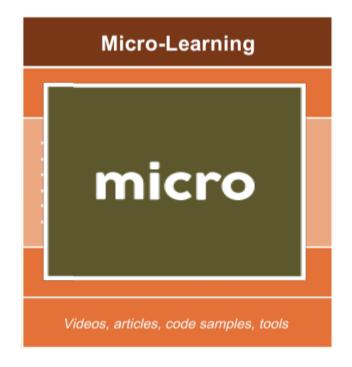
Videos, articles, code samples, tools

© Bersin by Deloitte

modern learning programs

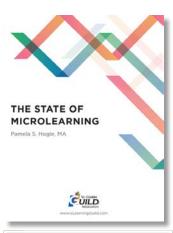
macro & micro: friends or foes?





© Bersin by Deloitte

Guild Elite Discuss Microlearning







"Rather than a stand-alone strategy or tactic, 'microlearning' is a trendy way to express the change in mindset that applies many familiar L&D tactics in ways that better align to the needs of the individual employee. The term itself is just a buzzword that, unfortunately, often distracts from the real message."

-JD Dillon



Microlearning "presents as an opportunity to look at how we help workers—not even learners; workers on the job."

-Ray Jimenez



"It's when you have a clearly defined moment of performance where people need help. ...
[The employee] doesn't necessarily need education; he needs help at that moment."

-Diane Elkins





Microlearning: today's shiny object?





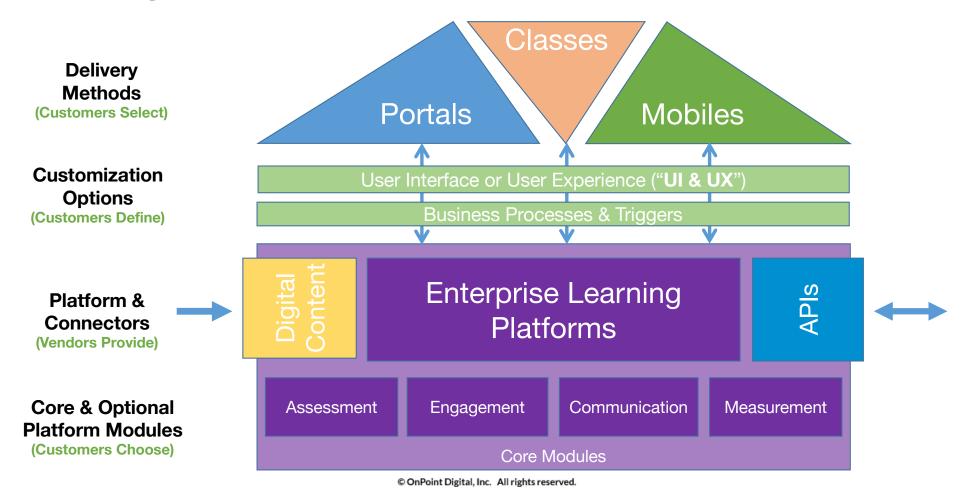


"I think good learning has always been good learning, but we get distracted by the next shiny thing. Microlearning is not the shiny thing. I want to co-opt it back from that buzzword discussion and say, 'It's a brilliant strategy that meets learners where they are now.'"

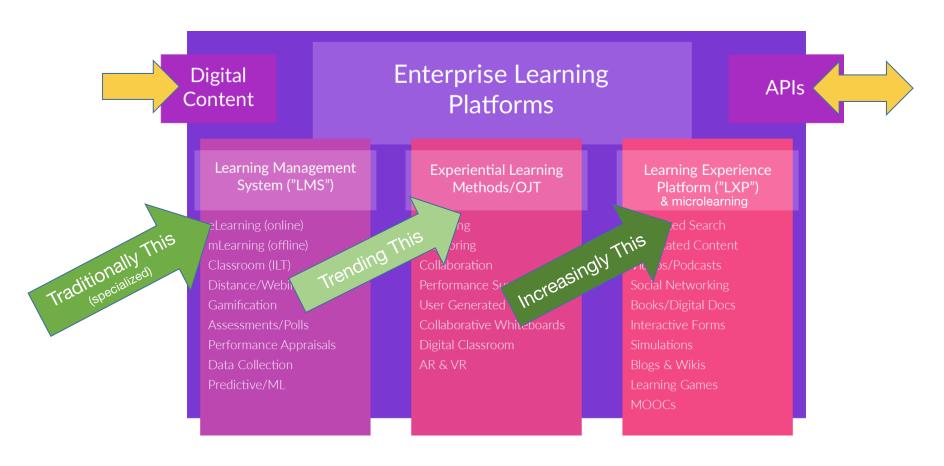
-Summer Salomonsen



Learning Experience Architectures

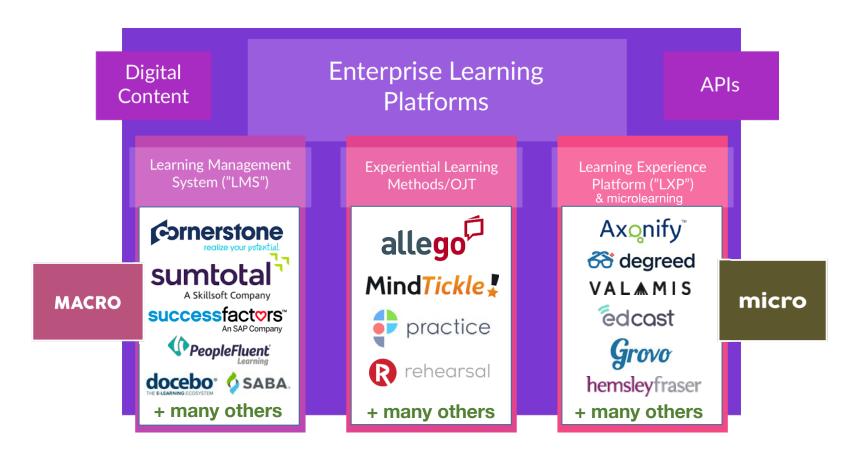


Advanced Learning Platforms: A Diverse Approach



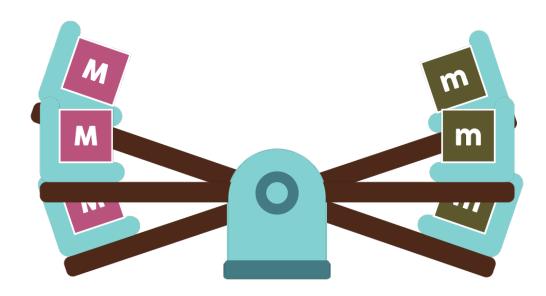
© OnPoint Digital, Inc. All rights reserved.

Advanced Learning Platforms: A Diverse Approach



@ OnPoint Digital, Inc. All rights reserved.

When to Macro or When to Micro?



Elements of Macro & Micro Learning

MACRO

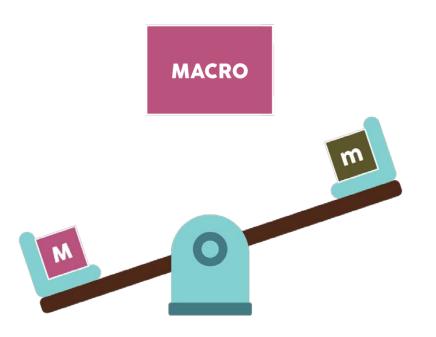
micro

- Learning Paths, Curriculums
- e/m-Learnings, ILT/webinars, social
- Assessments, proctored exams
- Simulations, scenario-based learning
- Certificates, competencies & mastery

- "By the drink or open bar" needs
- Videos, podcasts, info graphics
- Messages, threaded discussions
- Quizzes, flashcards, opinions, polls
- "Attaboys" & social recognition



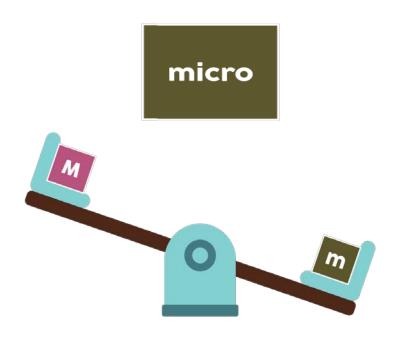
Today, Macro "Weighs More" in Most Firms



- More than 80% of enterprises have investments in traditional LMS platforms & tools in place
- Firms rely on these systems to organize & track learning programs
- Our teams are well-versed in how to use & optimize their current tools
- "Our training is serious business!"



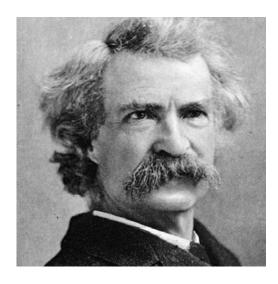
But Micro has measurable Market Traction



- Next gen platform & tool vendors are investing heavily in this space thus driving interest & early adoption
- Suggests faster cycle time, less hassles, more deliverables while...
- Promising to be easier & compelling with (r)evolutionary results
- You might be thinking: "Might this be more fun than our current LMS?!"



Is Shorter Easier?



"If I'd had more time, I would have written a shorter letter."

Mark Twain



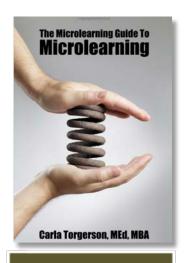
Must be: Of Sound Design!

Must be: Well Planned!

Must be: Delivered When Useful!



Intelligentcia Explores Microlearning



micro

Micro Idea 1

Microlearning is a piece of learning content that can be consumed very, very quickly. Some people define microlearning as being as short as 90 seconds. Others go as high as 10 minutes.

Expedient



Let's say you want to learn something new in Microsoft Word. You could watch a two minute video on YouTube, a ten minute video on your LMS, or go to a one hour in-person class. **Which would you choose?**



Micro Idea 34

Use the Three C's to help you collect or create yo

Multi-sourced

- Curate
- Create
- Crowdsource

The order of this list is purposeful. If at all possible, curating your content should be your first choice as it the most efficient. If that isn't possible, then create. And crowdsourcing is a great strategy, but often difficult to achieve in a corporate environment, which is why I've put it last.

Micro Idea 53

Story-centric

If you decide to use video, remember that a story will always be more memorable than bullets of text onscreen. It's not just that the story is engaging—it's that our brain remembers stories more easily than discrete facts.

And even if your content seems very text-heavy, you can add pictures and scenarios to make it more story-like.





Intelligentsia helps measure microlearning





MICROLEARNING

Microlearning, Macrolearning. What Does Research Tell Us?

In this article, I'll compare what people say are the benefits of microlearning against what we know from research. Also, I'll discuss how workplace learning might benefit from micro and macro approaches.

https://elearningindustry.com/microlearning-macrolearning-research-tell-us



Intelligentsia helps measure microlearning



Microlearning, Macrolearning. What Does Research Tell Us?

What Is Microlearning?

What is microlearning? Here are two definitions from knowledgeable L&D professionals. The definitions offer critical insights about how to use microlearning.

Small but complete learning experiences.

– Clark Quinn, author and learning technology strategy leader

Relatively short engagements in learning-related activities—that may provide any combination of content presentation, review, practice, reflection, behavioral prompting, performance support, goal reminding, persuasive messaging, task assignments, social interaction, diagnosis, coaching, management interaction, or other learning-related methodologies.

– Will Thalheimer, author, learning-and-performance consultant and researcher



Presentation Agenda

- Session Objectives & Group Experience
- Market Conditions for Macrolearning & Microlearning
- Micro & Macro: Let's Compare & Contrast
- What Happens in We Combine Macro + Micro?
- Demonstrations of Today's Blended+
- Summary + Q&A



When to Macro vs. Micro (for Orgs)?

MACRO

Versus



- Training Campaigns
- More planned
- Investment in time (learning)
- Organizational-centric

- Learning Opportunities
- More ad hoc
- Short & engaging
- Learner-centric



When to Macro vs. Micro (for Learners)?

MACRO

Versus



- Planned, scheduled
- Completion-oriented
- Tracked & reported on => analyzed
- Happens in "Re-created World"

- On-the-go, just-in-time
- Participatory
- Trackable, reportable
- Happens in "Real World"



Challenges in Macro & Micro (for Admins)?

MACRO

micro

- Legacy platforms harder to update,
 modernize perceived to lack sex appeal
- Macro has more teams/meetings/approvals
- Macro programs can be more expensive to deliver as they are to create
- Macro programs are harder to update

- Chunking long-form content is not micro-creation
- Ideal when referring to or building upon existing knowledge
- Visuals are engaging but don't resort to kitsch/bling – go simple
- Measuring success is complex



Intelligentsia measure microlearning



Microlearning, Macrolearning. What Does Research Tell Us?

Table 1: The relationship of micro to macro in various learning and performance contexts

Level	Learn conversational Spanish	Fix common household plumbing problems	Learning elements	Performance elements
Micro	words	gravity, pressure, backflow, fittings, joints, tools	learning objects, chunks, job aids, support, and help	competencies
Macro	phrases, sentences, grammar	how supply and drainage systems work	topic	work tasks
	situations, conversations	Fixing: leaks and clogsReplacing: faucets, drains, and toilets	courses	work outcomes, team outcomes, organizational outcomes





Select Myths & Misconceptions (7 of 11)

Microlearning, Macrolearning. What Does Research Tell Us?

People say Microlearning...

- 1. Helps with "modern learning" because technologies have changed how we learn!
- 2. Is needed because people now have lowered attention spans.
- 3. Works because it's similar to how people find answers to their questions: Online searches.
- 4. Is needed to make better use of new technologies.
- 5. Makes transfer of learning more efficient.
- 7. Is preferred by users.
- 8. Is easier and faster to produce.
- 11. Helps people fit small bits of learning into their hectic work and lives. "

Presentation Agenda

- Session Objectives & Group Experience
- Market Conditions for Macrolearning & Microlearning
- Micro & Macro: Let's Compare & Contrast
- What Happens in We Combine Macro + Micro?
- Demonstrations of Today's Blended+
- Summary + Q&A



Which is Better - Macro or Micro?





When to Micro/When to Macro?







Mixing Macro & Micro: A "Top Shelf" Effect?



- A bigger, better blend is now needed....
- ...Enter

"Blended+"



Essentials of "Blended+"

- Continuous (Pre + Event/Course + Post)
- Anytime, anywhere but with consistency online & in-class as well
- Must support Mobile
- Can be social, game-enabled
- Should be predictive, personalized
- All trackable & measurable
- Planned, budgeted & executed well!



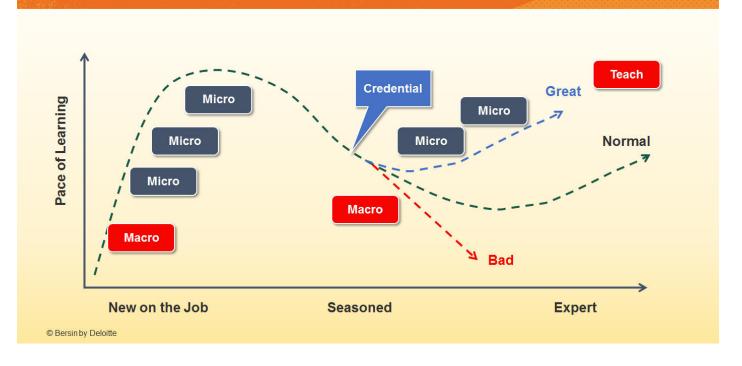
Enterprise Mandates for Blended+

- Professional & practical
- Seamless but connected experiences
- Consistent, on-brand approach
- Scalable, easily updated
- Enterprise-grade Security
- Drives value, delivers outcomes



Combining Macro with Micro

Where Does Macro and Micro Learning Apply?



Blended Learning in Series Form

Short Series

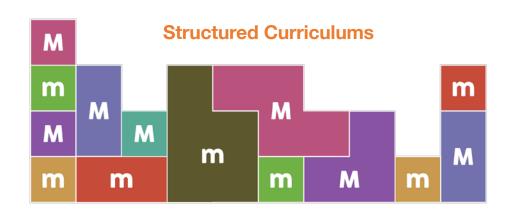


Long Series





Dynamics of Blend+





Presentation Agenda

- Session Objectives & Group Experience
- Market Conditions for Macro & Microlearning
- Micro & Macro: Compare & Contrast
- What Happens in We Combine Macro + Micro?
- Demonstrations of Today's Blended+
- Summary + Q&A



Organization: Samsung APAC

Use Case: Product Launch – New Devices

Audience: Sales Pros, Directors/Managers @ 24 Carriers/Retailers = 20K

Overview: OnPoint teamed with Sidney, Australia-based Learning Plan to create a blended learning program that mixed on-demand content, ILT/webinar and scheduled, iterative learning to sales professionals on their own personal devices (Android, iOS, Windows, online, whatever). Customized UX fronted an online portal as well as native apps & mobile web for seamless experience. Also provided social constructs and access-to-experts whenever needed.

Challenges: Any time, any device (not just Samsung/Android) and multilanguage support for what was considered "elective learning"; timeframe from contract to launch was six weeks

Technology: Learning Portal & CellCast apps from OnPoint Digital

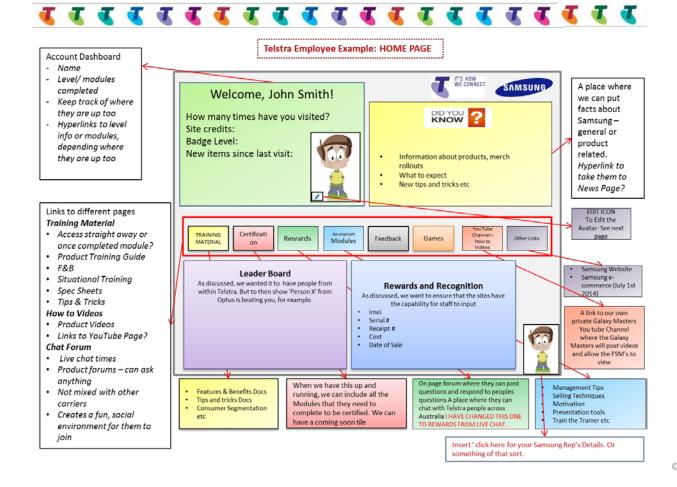
Outcomes: Launched on-time (over budget) to all participating retailers & carriers; training was central to launch success in APAC and participation improved "an order of magnitude over previous learning approaches.





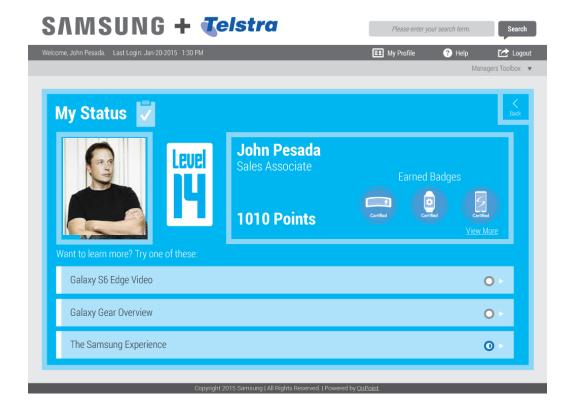
OnPoint Digital, Inc. All rights reserved.

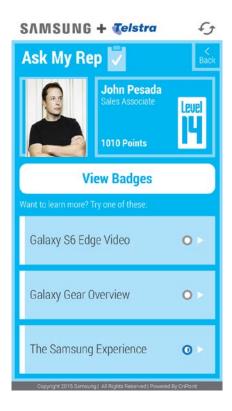




OnPoint Digital, Inc. All rights reserved.

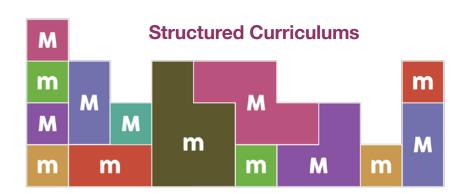








Measured Outcomes & Results





- Blend of online, ILT & micro
- Structured courseware & classes helped convey value of new products & featured while anytime, anywhere mobile allowed for learning bursts & reinforcements
- Access-to-Experts proved very powerful/helpful

CASE STUDY – JP MORGAN CHASE

JPMORGAN CHASE & CO.

Organization: JP Morgan Chase & Company (USA's Largest FSI)

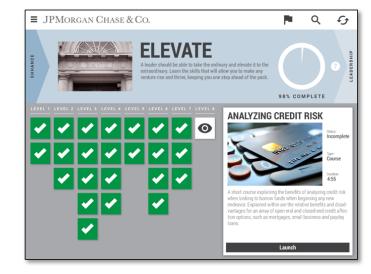
Use Case: Global Leadership Training (Leadership Edge)

Audience: All Firm Leaders (CXOs, EDs, VPs/Directors/Managers, Sups

Challenges: JPMC selected OnPoint's LMS & CellCast Solution platforms to serve as the foundation for their *Leadership Edge* program as a mobile and social-enabled platform to manage the career development of all 43K leaders across the globe. Extremely high expectations for following a professional process from SDLC to Risk/IT to hosting/DR.

Technology: Learning Experience Portal & Digital Classroom from OnPoint

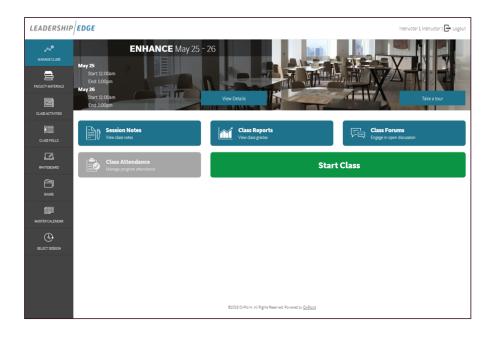
Outcomes: Launched Q1'16 including full integration with core HRIT services, SSO and TM platform connectors. Custom iOS apps support broad array of new features including document annotations as well as personalization & recommendation engines. Loosely integrated with current SUMT LMS platform.

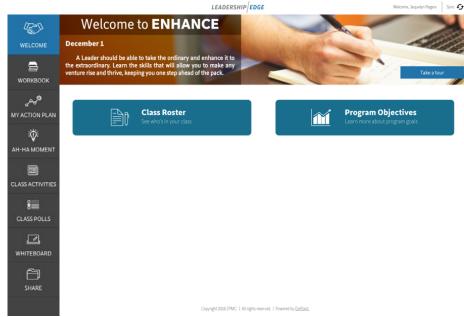




CASE STUDY – JP MORGAN CHASE

JPMORGAN CHASE & CO.





My Leadership Edge: Facilitator Interface (Web)

My Leadership Edge: Student Interface (iPad)

Facilitator Interface (via Web)



CLASS POLLS

WHITEBOARD

MASTER CALENDAR

(f)

SELECT SESSION

- Manage Class Logistics
- Access All Class Materials
- Launch Materials & Assignments
- Conduct Interactive Polls
- Launch Team Whiteboards
- Monitor Social Interactions
- Manage My Schedule
- Switch Scheduled Sessions

Student Interface (via iPads)







Access Class Workbook



Build Up My Action Pan



Capture Important Insights



Review Materials, Tests & Bio Books



Participate in Polls



Access Whiteboards



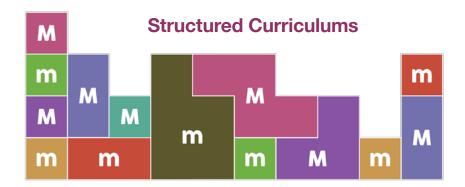
• Participate in Social Interactions

CASE STUDY – JPMC

JPMORGAN CHASE & CO.

Measured Outcomes & Results





- Ultimate Blend for structured learning programs - ILT, mobile, Pre/Post interactions,
- End-to-end experience for scheduled leadership "tracks" (high impact/short or multi-day ILTs) through custom, engaging UX
- Optimized experiences for leaders, their managers, facilitators, admins

Company: Metro by T-Mobile

Use Case: Channel Sales Training (National program)

Audience: 37,000 Sales Professionals in 11,000 Dealer Locations

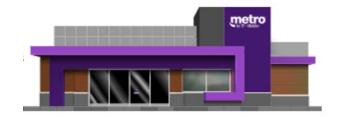
Challenges: T-Mobile's L&D team selected OnPoint's CellCast & online learning platforms to replace a legacy LMS platform for external channel sales training that needed to be more mobile friendly, social, game-enabled and engaging for a young, millennial workforce. A highly customized UX layer is deployed via the web and branded native apps to on-the-go learners needing access to various onboarding, product and sales training programs. Custom APIs connect the sales training platform to other internal services including Salesforce, a provisioning portal and other services. Requested enhancements have spanned adding support for validated self-registrations, extended ILT/webinar functions, new social features and "experiential points" in games.

Technologies: OnPoint Portal/CellCast Apps + Gamification Engine, Social & Analytics

Outcomes: Launched Q1'19 to 37,000+ learners accessing the site via online browsers, BYOD mobile devices and shared in-store tablets. Custom integrations and migration of historical information were the focus of initial phases.







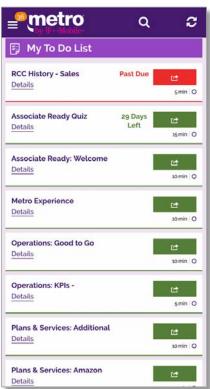




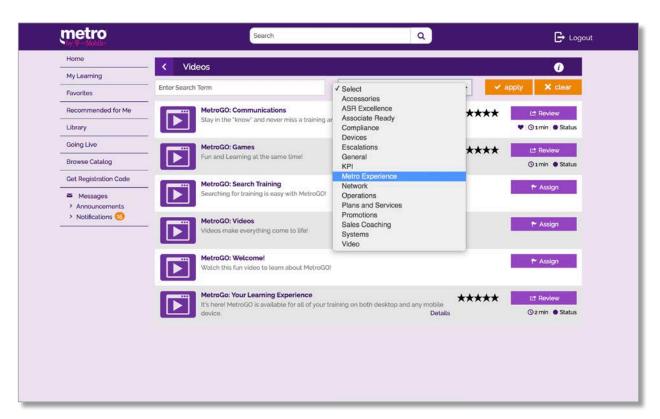


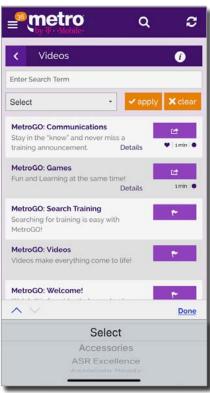




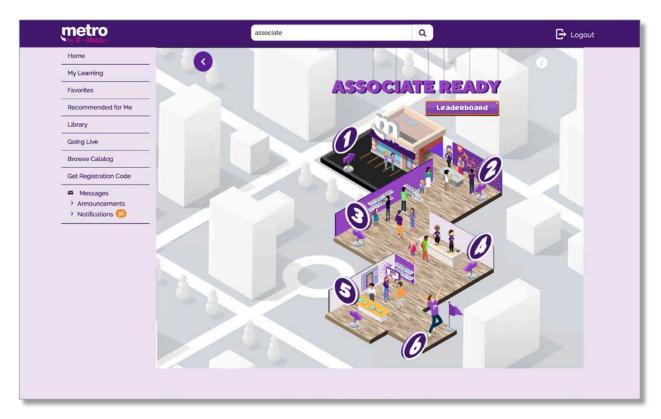






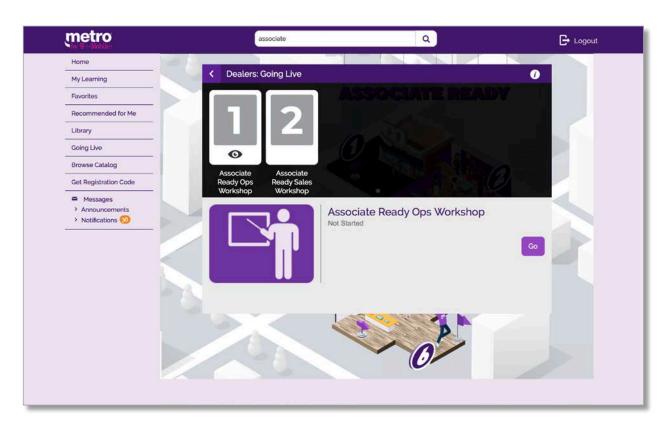






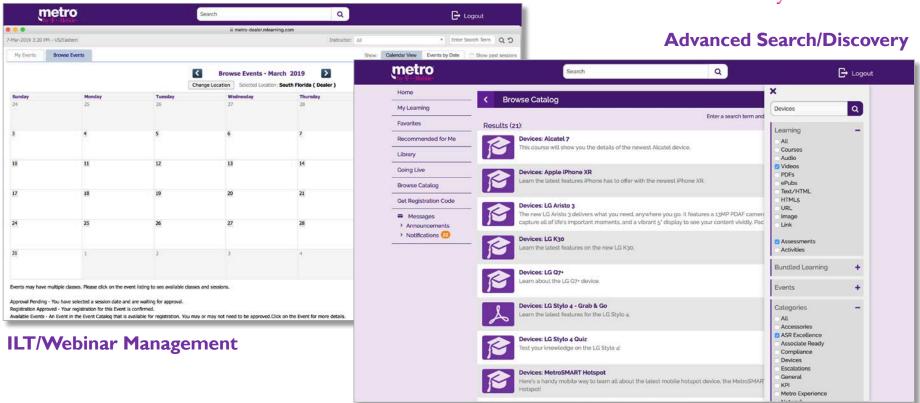




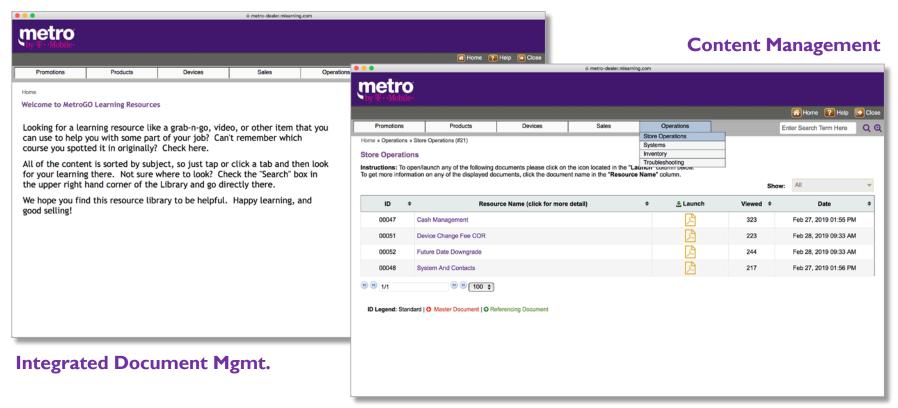












Measured Outcomes & Results







- Time-sensitive microlearning, inperson sessions & webinars on the latest products & offerings
- Mobile access makes it easy consume; push makes it stand out
- Social & game-based interactions make learning "stickier" driving both participation & revisit rates

Organization: Loblaw Companies, Ltd. (Canada's Largest Retailer)

Use Case: Training & Development Portal & Full Mobile Solution

Overview: Launched in 2009, Loblaw is OnPoint's largest customer in the retail sector and has used our full online and mobile solutions to manage and track all L&D efforts for this fast growing grocer/retailer. The self-service portal organizes all facets of professional development programs delivered in person, online and through third parties in multiple languages.

Audience: 165K workers across Canada + USA, Middle East

Challenges: (I) Needed a way to define/map/track 800+ unique job ladders enabling Loblaw associates to craft their own personalized learning journeys while following structured guidelines and compliance expectations, (2) provide deep, secure integration with other Loblaw IT and HRIS internal systems spanning Workday, Peoplesoft and several others plus SSO support, and (3) enable access anytime/anywhere/any device – the ultimate BYOD.

Technology: Learning Portal & CellCast from OnPoint Digital

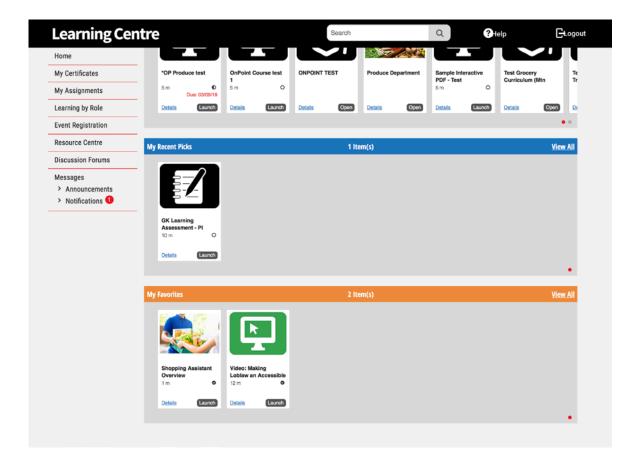
Outcomes: Loblaw continues to operate and expand the scope of their LVLC portal using only a modest team and a variety of qualified contractors and 3rd party development teams.



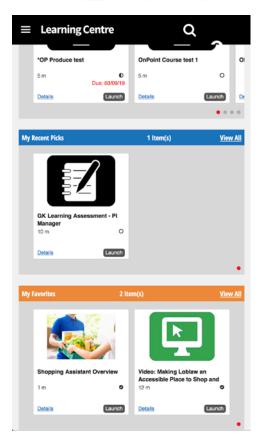




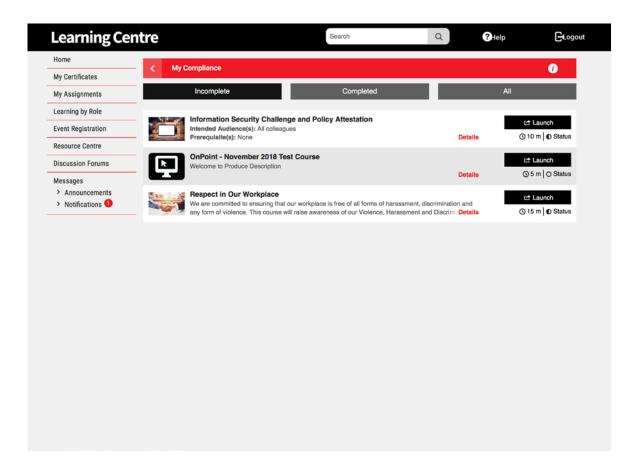
© OnPoint Digital, Inc. All rights reserved.



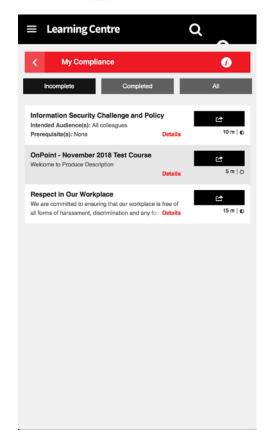


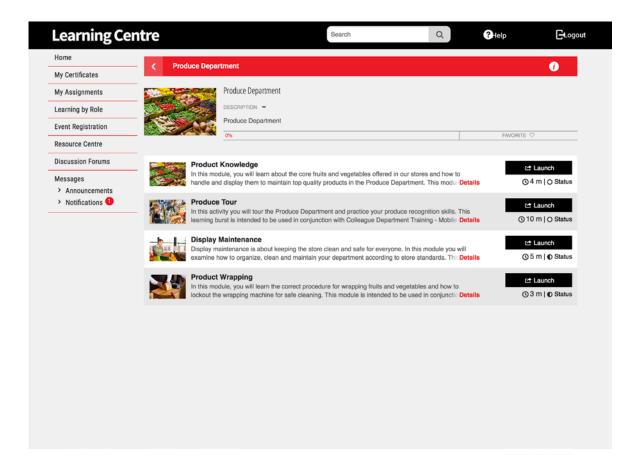


© OnPoint Digital, Inc. All rights reserved.

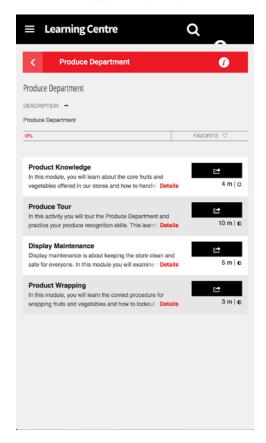


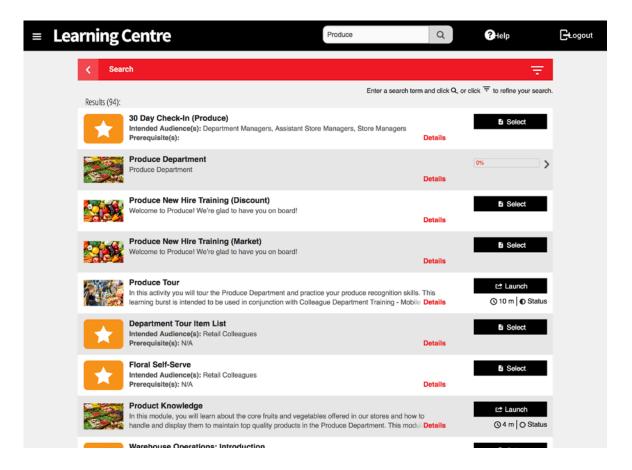




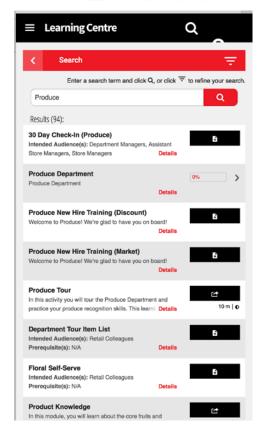


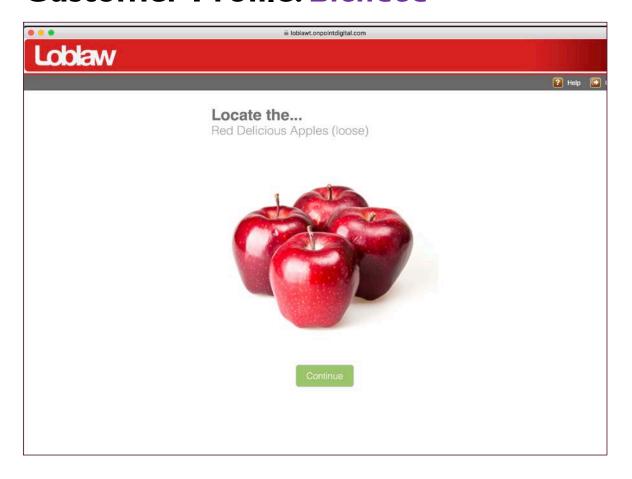








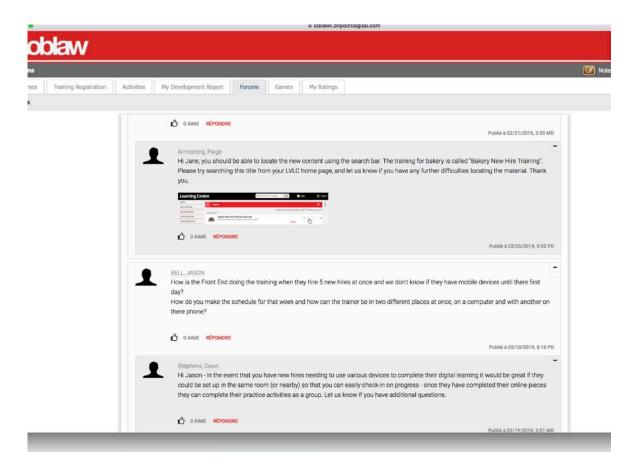




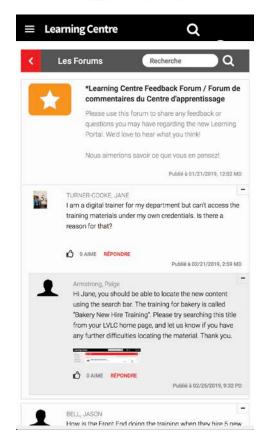




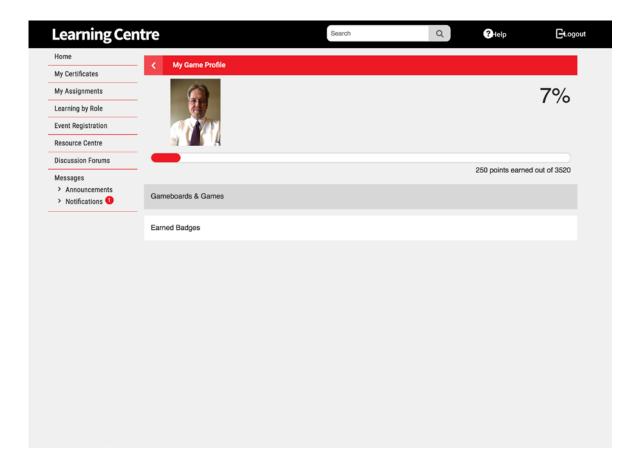
© OnPoint Digital, Inc. All rights reserved.



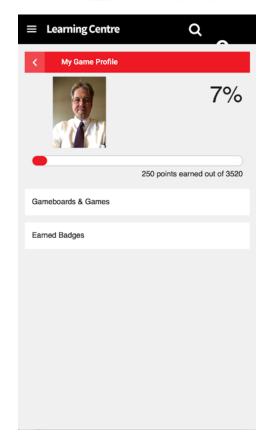


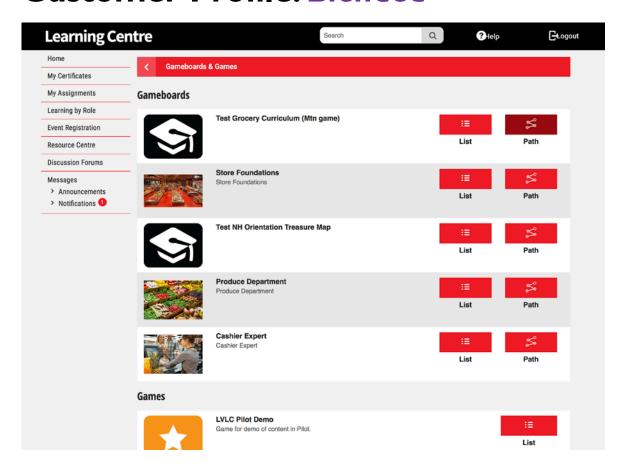


© OnPoint Digital, Inc. All rights reserved.

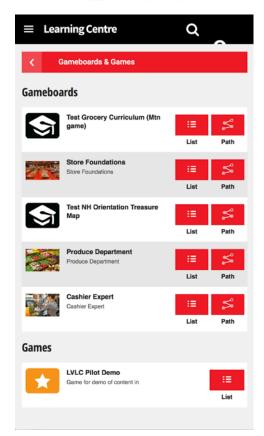


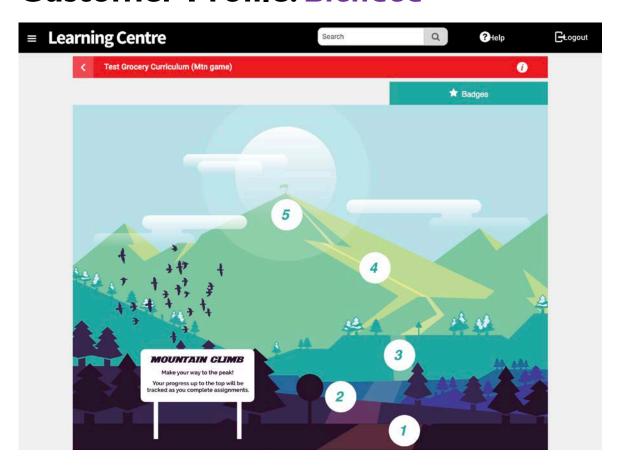






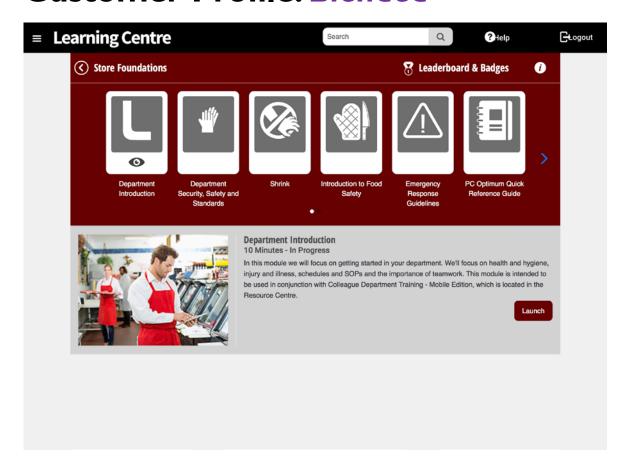






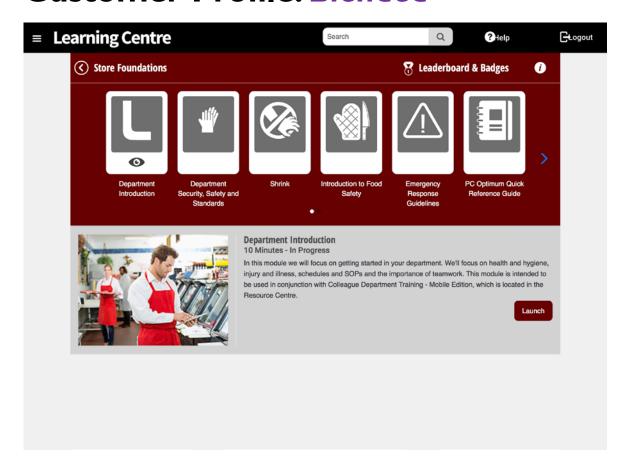








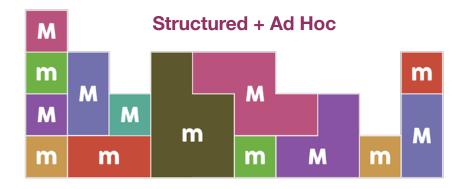








Measured Outcomes & Results







- Adaptive UX that's prescriptive & personalized for every colleague
- Blend of distance/ILT, courses & micro updates with recent BYOD
- Creating new/refactoring legacy content items to make them *macro* & *micro-friendly*
- Tools to track & manage progress, gauge organizational performance

Presentation Agenda

- Session Objectives & Group Experience
- Market Conditions for Macro & Microlearning
- Micro & Macro: Compare & Contrast
- What Happens in We Combine Macro + Micro?
- Demonstrations of Today's Better Blends
- Summary + Q&A





- Macrolearning is still king
- Investments in platforms, processes & people won't give way to microlearning alone
- Contemporary Macro (LMS) options can do Micro too!
- ILT, assessments, intensive training, compliance, sims
 & immersive, more remain fundamental to development



- Microlearning is here to stay
- Focus on the needs of your audience
- Sound instructional design AND graphic design is crucial to microlearning success
- Quality still matters in a professional setting
- Accessibility and discoverability are key goals
- While it's here to stay, it must be PART of a welldesigned learning strategy







FOCUS not duration

RESULTS not content

CONTEXT not devices

SUPPORT not courses

VALUE not volume

PERFORMANCE not learning





-JD Dillon









"Ideal blended training programs will incorporate both styles in different ways. **Microlearning** helps your team sharpen a specific skill or skillset, whereas **Macrolearning** can help your employees understand broader concepts. It's easy to see how both of these constructs can come in handy when implementing a successful learning system."

Pamela Hogle







Learning Solutions

Contact Information & Download My Slides

Robert Gadd

President & Cofounder OnPoint Digital, Inc.



rgadd@mlearning.com



@robgadd4



www.mlearning.com



Download Slides & Materials via: www.mlearning.com/shows/dev2018



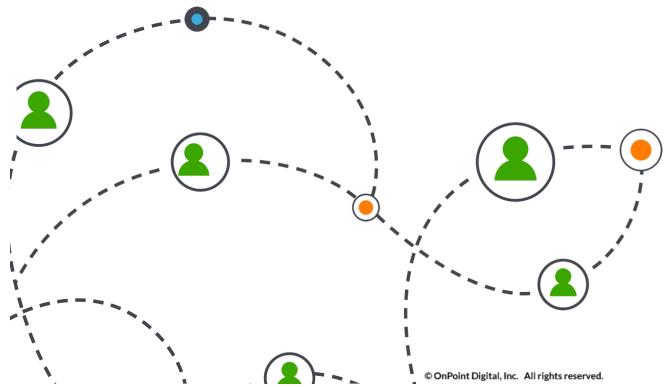
Presentation Agenda

- Session Objectives & Group Experience
- Market Conditions for Macro & Microlearning
- Micro & Macro: Compare & Contrast
- What Happens in We Combine Macro + Micro?
- Demonstrations of Modern Blended+ Program
- Summary + Q&A



Solution Demonstrations

So much to see, so little time.







Thanks for Attending & Safe Travels Home

