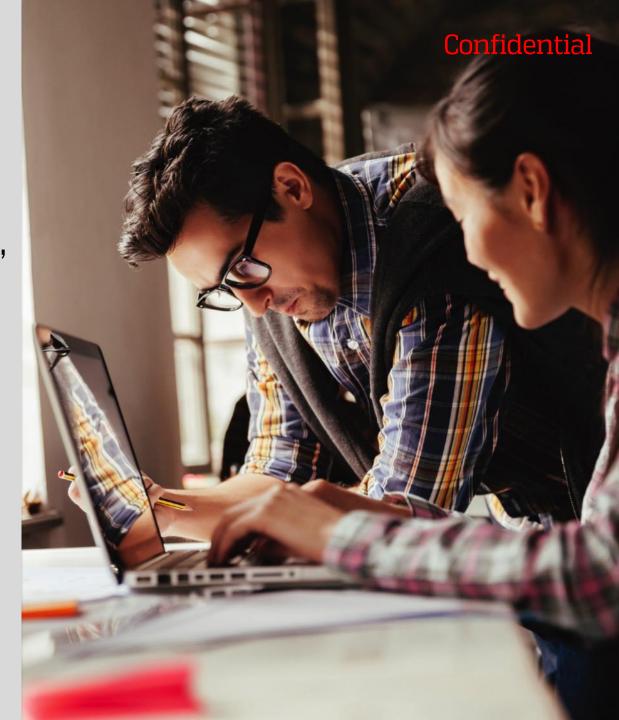


Modular, Data-driven, Adaptive: Future of Training

From the learning science company

ATD Webinar





Not much has changed...





But consumer media looks like this now...



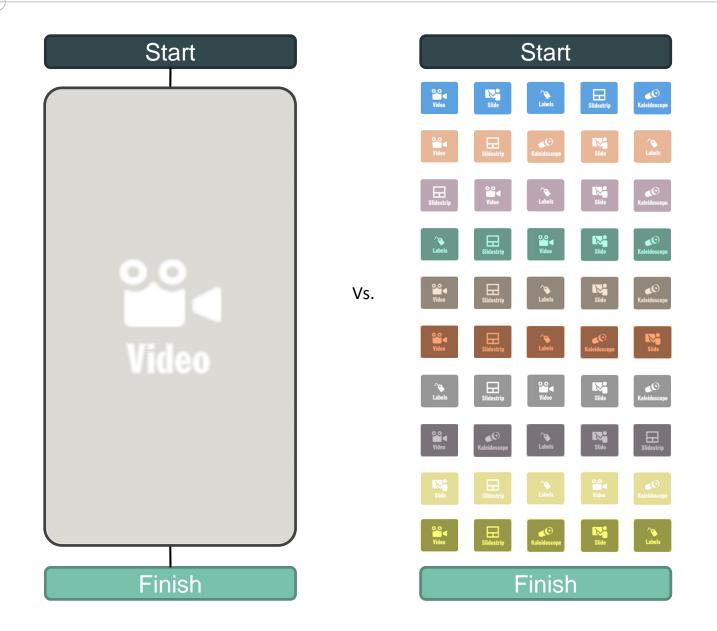


Modular content is everywhere



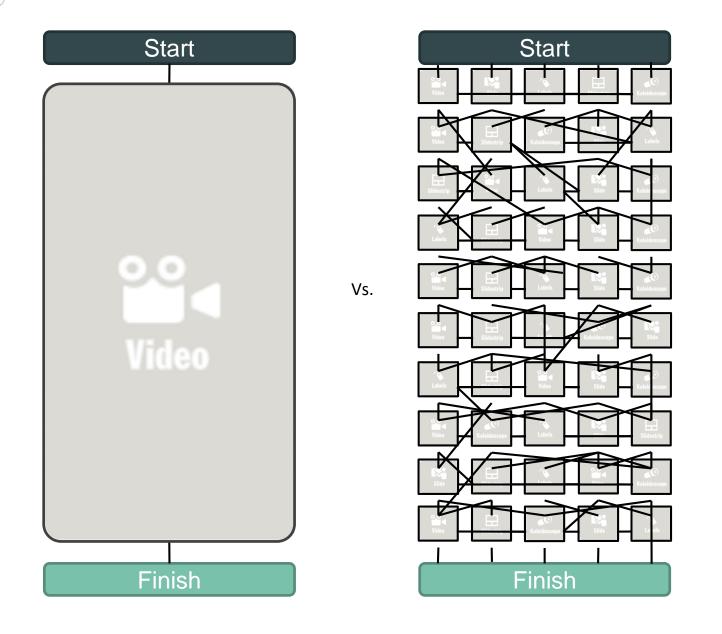


What does this mean for learning?





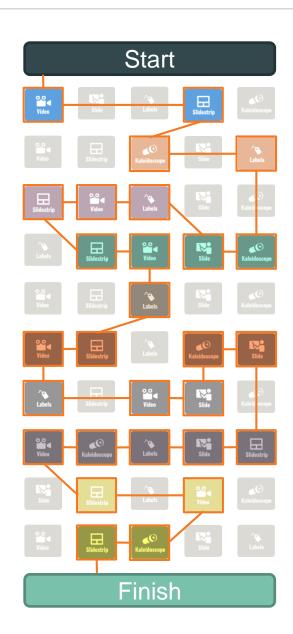
Learners experience personalized and variable learning paths





Adaptive path for average learner

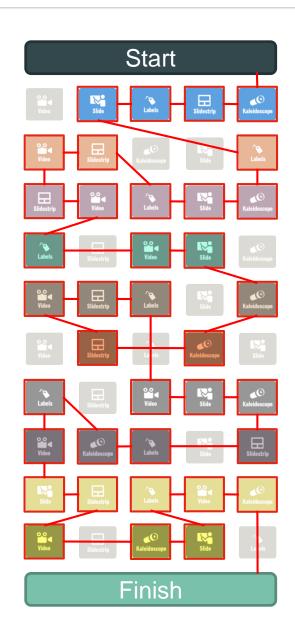
Learner 1: Some LR's





Adaptive path for new learner

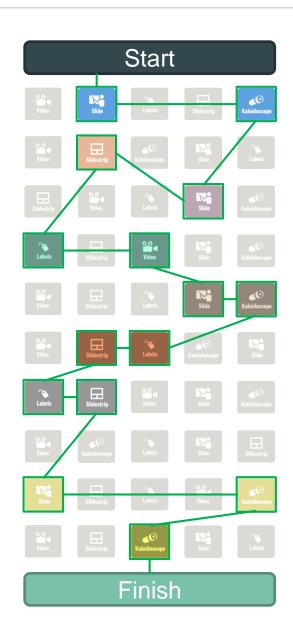
Learner 2: Most LR's





Adaptive path for experienced learner

Learner 3: Few LR's



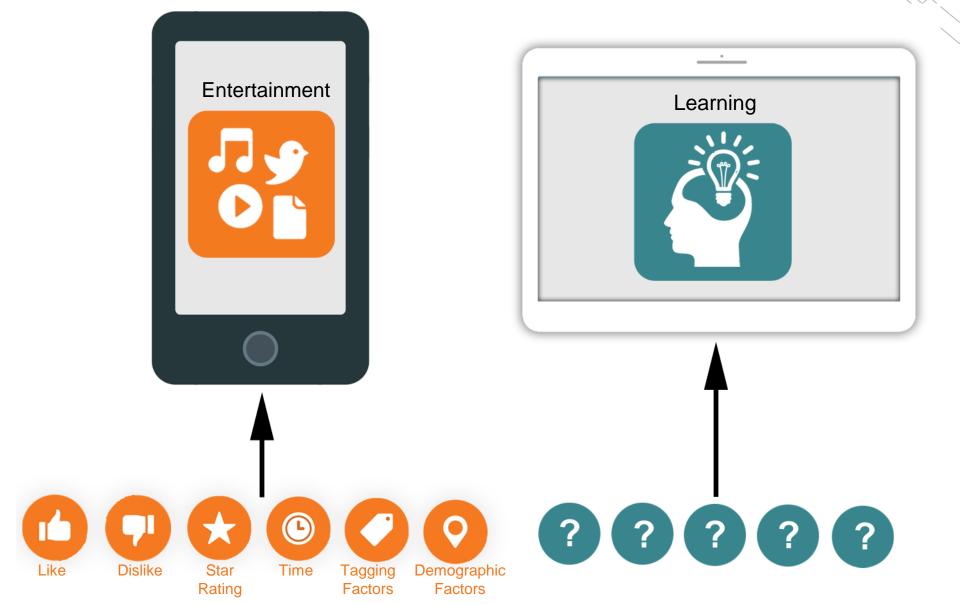


Modular content becomes data-driven



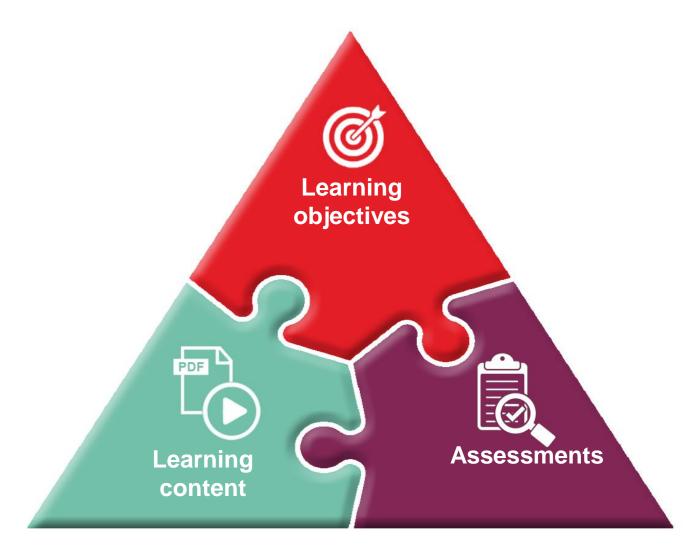


What is the big difference between learning and media?





Framework for understanding learning...





A learning objective

Each learning objective is aligned with a resource

The Balance Sheet

The purpose of the balance sheet is to report the financial position (amount of assets, liabilities, and stockholders' equity) of an accounting entity at a particular point in time. We can learn a great deal about what the balance sheet reports just by reading the statement from the top. The balance sheet of Maxidrive Corp., presented by its former owners to Exeter Investors, is shown in Exhibit 1.2.

Structure

Notice that the **heading** specifically identifies four significant items related to the statement:

- 1. Name of the entity, Maxidrive Corp.
- 2. Title of the statement, Balance Sheet.
- Specific date of the statement, At December 31, 2010.
- 4. Unit of measure (in thousands of dollars).

The organization for which financial data are to be collected, called an accounting entity, must be precisely defined. On the balance sheet, the business entity itself, not the business owners, is viewed as owning the resources it uses and as owing its debts. The heading of each statement indicates the time dimension of the report. The balance sheet is like a financial snapshot indicating the entity's financial position at a specific point in time—in this case, December 31, 2010—which is stated clearly on the balance sheet. Financial reports are normally denominated in the currency of the country in which they are located. U.S. companies report in U.S. dollars, Canadian companies in Canadian dollars, and Mexican companies in Mexican pesos. Medium-sized companies such as Maxidrive often report in thousands of dollars; that is, they round the last three digits to the near est thousand. The listing of Cash \$4,895 on Maxidrive's balance sheet actually means \$4,895,00.

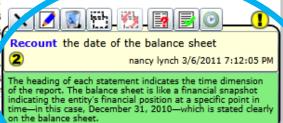
Maxidrive's balance sheet first lists the company's assets. Assets are economic resources owned by the entity. It next lists its liabilities and stockholders' equity. They are the sources of

A BALANCE SHEET (Statement of Financial Position) reports the amount of assets, liabilities, and stockholders' equity of an accounting entity at a point in time.



An ACCOUNTING ENTITY

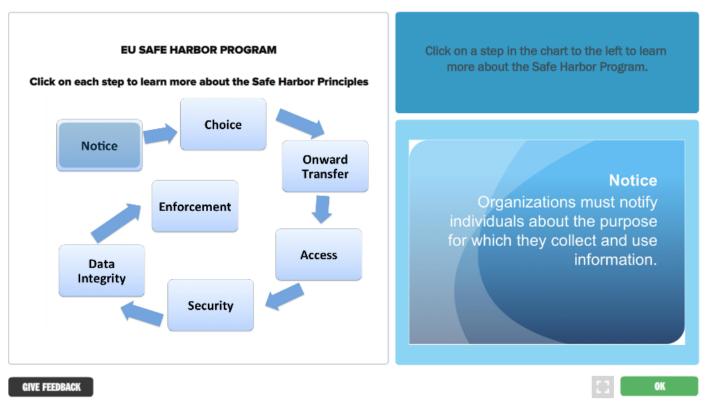
is the organization for which financial data are to be collected.





A learning resource

Safe Harbor Program





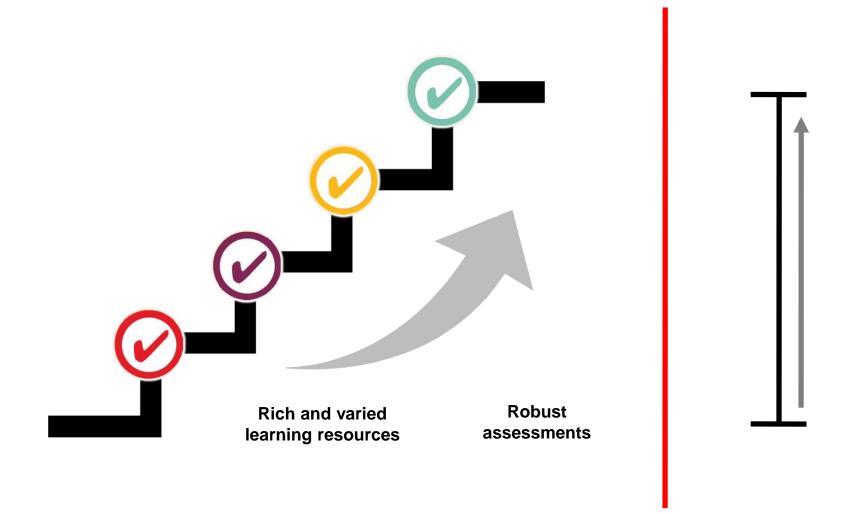
An assessment

Below is a screenshot from SmartBook (the learner tool). It probes the learner's mastery of the underlying learning objective linked to the learning resource.

| | Check all | that apply. | |
|---------------------------------|-----------|-------------|-----------------|
| statement of cash fl | ows. | | |
| statement of retained earnings. | | | |
| income statement. | | | |
| balance sheet. | | | |
| Oo you know the answer? | | | Read about this |

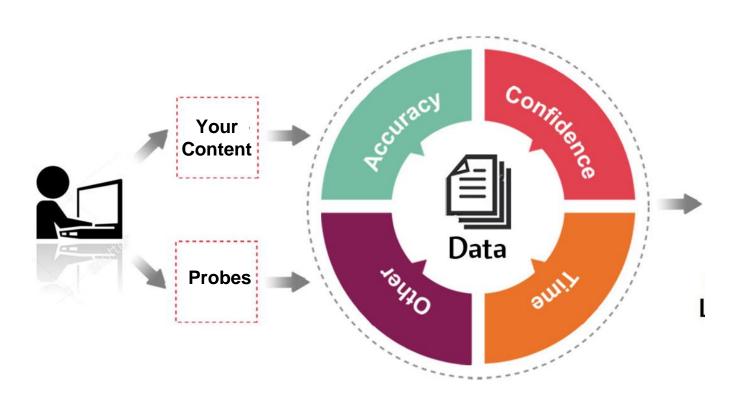


Assessments are key



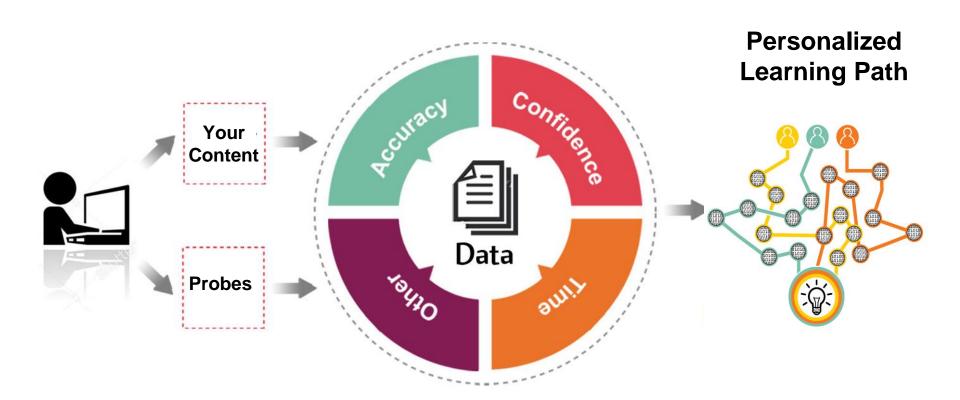


Driving personalized learning paths with data





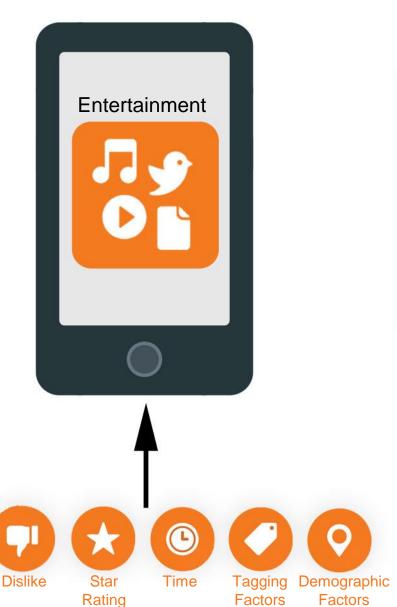
Driving personalized learning paths with data





Like

Data used to optimize each learner's experience







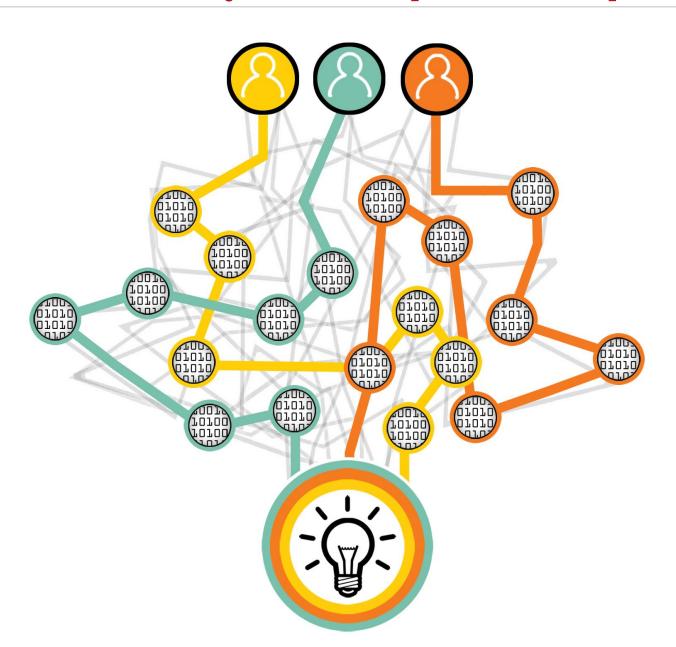








But what exactly drives the personalized paths?





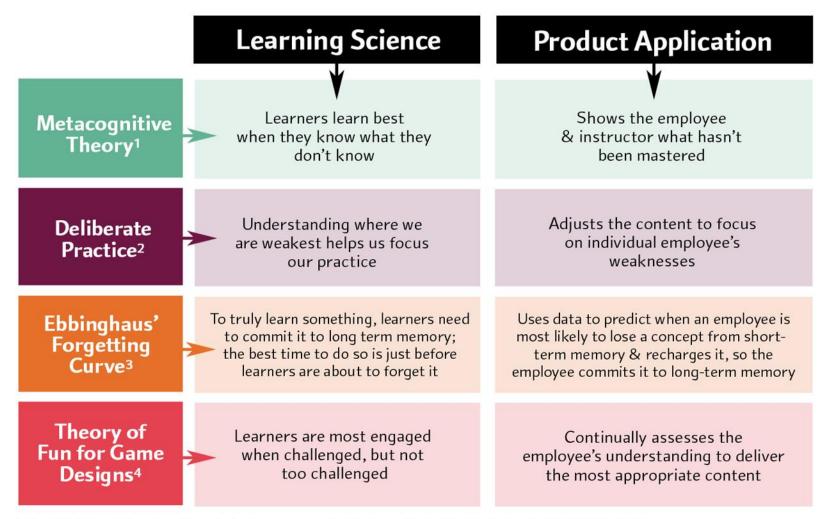
Learning science drives MHE technology, informs our design





3.

Product application for each learning theory



^{1.} Flavell, J. H. "Metacognition and cognitive monitoring: A new area of cognitive-developmental inquiry." American Psychologist (1979) 34, 906 - 911. Print.

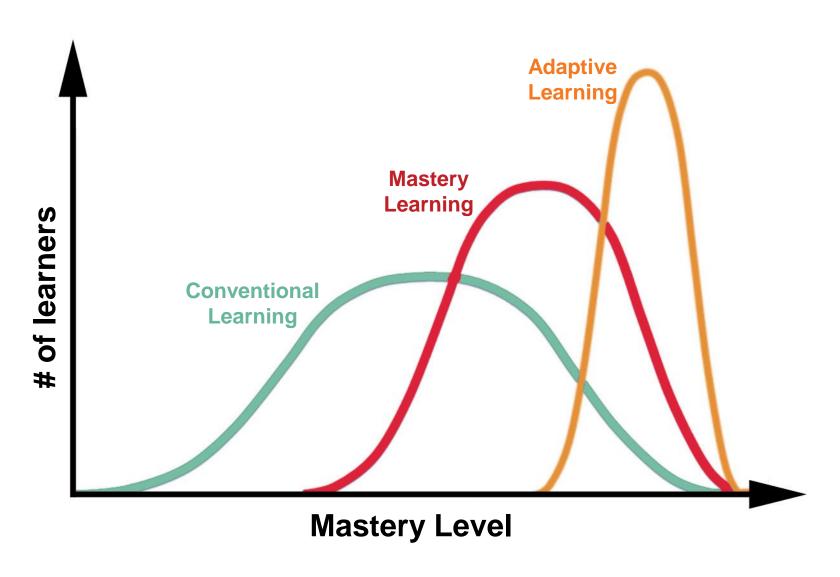
^{2.} Ericsson, K. Anders, Krampe, Ralf Th., Clemens Tesch-Romer. "The Role of Deliberate Practice in the Acquisition of Expert Performance." Psychological Review Vol. 100 No. 3 (1993) 363-406. Print.

^{3.} Ebbinghaus, Herman, Trans. Clara E. Bussenius and Henry A. Ruger Memory: A Contribution to Experimental Psychology. Eastford, CT: Martino Fine Books, 2-11. Print.

^{4. .}Koster, Raph. A Theory of Fun for Game Design. Scotts dale, AZ: Paraglyph Press, Inc., 2005. Print.



Adaptive learning leads to better outcomes





Beyond the individual: unlock organizational performance





The Evolution of Corporate Learning

2009 +

Collaborative, Talent-Driven Learning

Formalize Informal Learning Collaboration and talent management by Design

2005 +

Blended and Informal Learning

Mixing forms of media with informal learning Learning on demand with Integrated Programs

2000 +

The E-Learning Era

Materials On-Line, Information vs. Instruction

1990's

Traditional and Computer-Assisted Training

Instructor and Computer-based (CBT) LMS becomes the Administrative Platform



The Evolution of Corporate Learning

2016 +

Mastery-Based Adaptive Learning

Personalized, Competency-Based Data-Driven, Digital, Seated in Science

2009 +

Collaborative, Talent-Driven Learning

Formalize Informal Learning Collaboration and talent management by Design

2005 +

Blended and Informal Learning

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The E-Learning Era

Materials On-Line, Information vs. Instruction

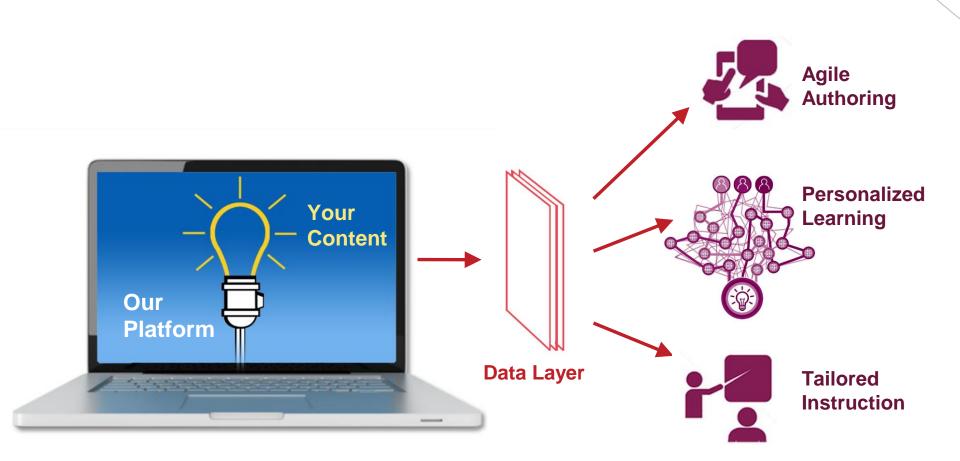
1990's

Traditional and Computer-Assisted Training

Instructor and Computer-based (CBT)
LMS becomes the Administrative Platform



Powerful data layer with advanced analytics





Benefits for every stakeholder



LEARNER

- A personalized experience
- Self-paced and easy-to-use
- •100% mastery of objectives

AUTHOR

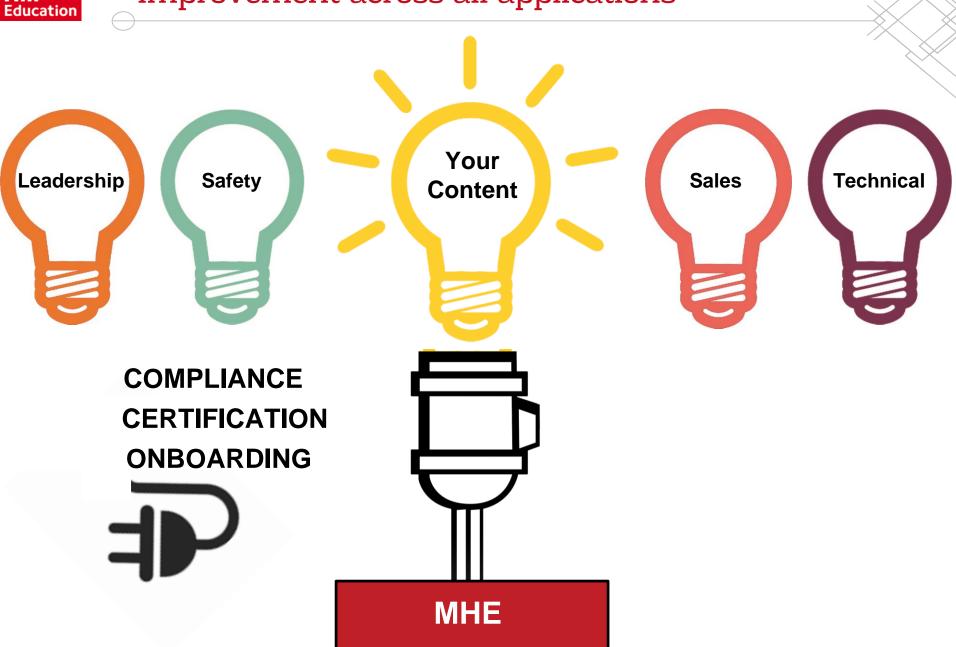
- Eliminates course versioning
- Real-time feedback for agile authoring

MANAGER/TRAINER

- Measureable and easily reportable outcomes
- Improved efficiency and retention
- Direct savings in cost to train



Improvement across all applications





ROI: Possible metrics to evaluate learning

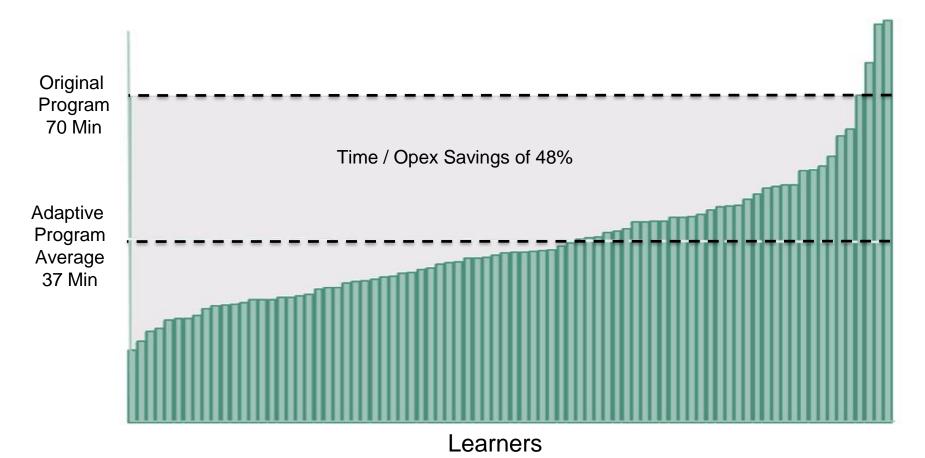
| ROI MET | RIC | DESCRIPTION | EXAMPLE |
|--|-------------|---|--|
| | Measurement | Data layer allows stakeholders to identify trends (learning, content, and cohort analytics down to the objective) | 75% of learners who exceed their sales quota are aware of their accuracy 80% of the time, in addition to achieving 100% mastery. |
| | Mastery | 100% mastery of all learning objectives (increase in proficiency rates, organizational readiness) | 1000 learners are certified (achieved 100% mastery of 50 Learning Objectives, up from 75% mastery). |
| | Efficiency | Reduces training time (opex savings, increased productivity in redistributed full-time hours) | 45% increase in efficiency due to transition from one-size-fits all to personalized learning. |
| Washing to the same of the sam | Engagement | Right content at right time makes learning inspire (increased retention, improved quantitative and qualitative survey data) | 90% of learners would recommend the course to others. 100% of learners completed the course, up from 50%. |
| | Agility | Real-time analytics means real-time action for all stakeholders (leads to increased revenue, margin, market penetration) | Learner data has been used to make course revisions and decreased the versioning time required by 30%. |



Case Study | Data improves learning efficiency

IT Services Industry
Fixed 70 Min Webinar w/test
Conversion to Adaptive Platform

All Gained 100% Mastery





We exist to unlock the full potential of every learner







Img source: http://www.wrightslaw.com/httr/16/nl.0105.htm