quonder

A CLOSER LOOK

A New Kind of Training

Overview

At the core of Quonder's Rapid Training Automation technology lies the connection between two separate domains: **The Science of Learning** and **Adult Learner Capacities**. Quonder's platform structures its content and each user interaction within the parameters of these two domains. The result is a constructive feedback loop in which content is optimized and tested over time.

The Science of Learning

Scientists and practitioners have recognized that understanding learning in all of its manifestations requires an interdisciplinary approach. This incudes research about brain mechanisms, as well as cognitive science and psychology. The field provides methods and approaches for effective learning and assessment.

Adult Learner Capacities

A reserach-backed framework covering the conditions such as background experiences, social and emotional states, cognition and adult literacies acting as factors affecting learning in adults. The framework provides a set of parameters used to measure a learner's state before, during and after learning events to assess their impact.

The Science of Learning

Far-transfer
Active learning
Deep processing
Interleaving content
Dual-coding
Associative linking

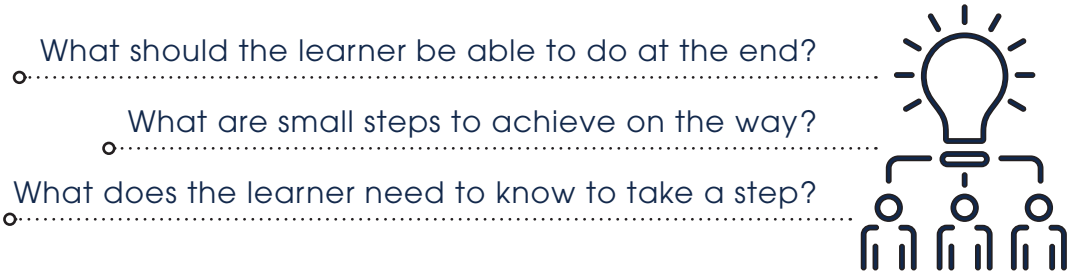
Adult Learner Capacities

Attention
Motivation
Problem-solving
Self-regulation
Reading skills
Metacognition

Until today, technology platforms have struggled to create an accurate framework of the conditions affecting adult learners. The solution lies in the hand-in-glove fit between the two domains of The Science of Learning and the Adult Learner Capacities. For example, only a lesson implementing research-based methods such as active learning or deep processing can generate the data necessary to evaluate a learner's self regulation.

Effective Lessons

An 'Effective' lesson is one that has reached its goals. This simple axiom is significant as it is surprising in the sense that many of the lessons we experienced in our lifetime were not effective and did not reach any defined goals. The flaws in badly designed lessons usually stem from the fact they are created to serve the instructor as a platform, and not for the learner to reach well-defined goals.



These questions and others are answered during an automated training development process using Quonder. They lead to the most important component of an effective lesson: its structure. While the content of a lesson is interchangable, its structure is not.

Transforming Lessons and Learners

Quonder implements The Science of Learning in combination with applying an Adult Learner Capacities model for assessment and personalization. This makes Quonder unique in two ways: (1) There is no other platform which takes existing content and transforms it into effective lessons guided by the science of learning. In fact, existing learning systems focus on the ways videos and text are laid out and not whether they are effective in any way. (2) Existing adaptive learning systems focus on assessment of knowledge in easily measurable fields such as algebra. There is no other platform which evaluates a learner's cognitive strategies and capacities. This allows Quonder to personalize lessons in virtually any subject.

83% of companies use learning technology

12% of employees report training effective