

ELEVATE MY MATHS

Powered by Vretta

RAISING THE
LEVEL OF NUMERACY
for Student Success

ASSESSING

LEARNING

SUCCEEDING

IDENTIFY SKILLS THAT REQUIRE MASTERY

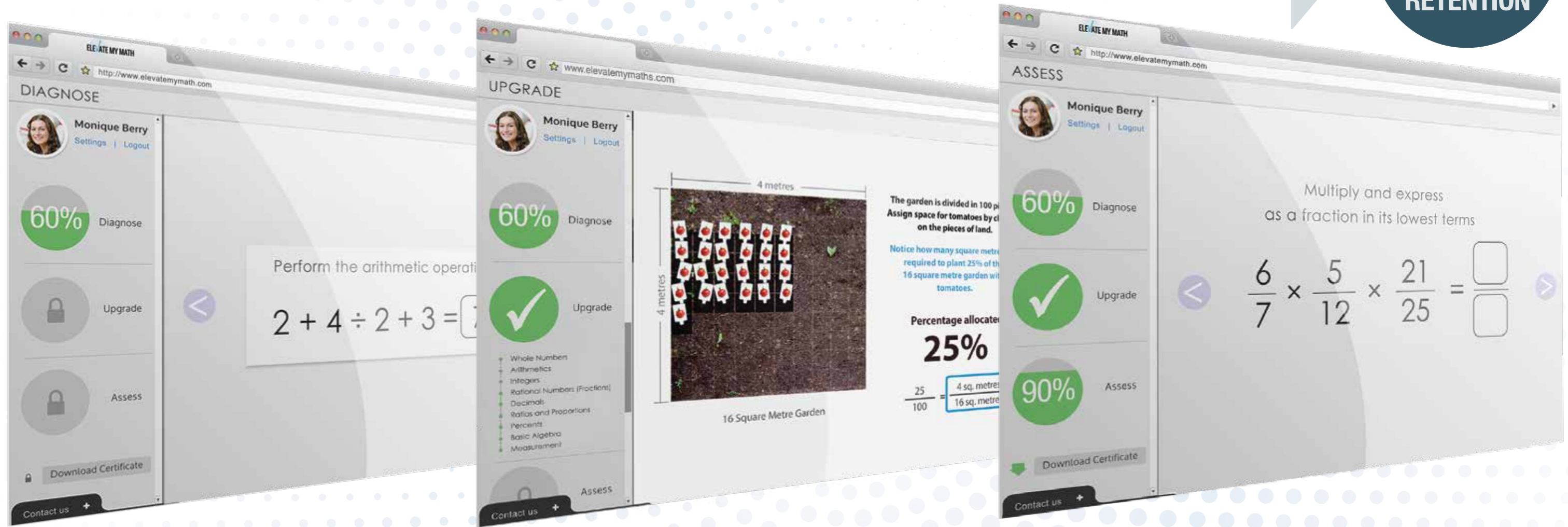
Students complete a diagnostic assessment based on the key maths skills required to be successful; this identifies their strengths and weaknesses.

ACHIEVE MASTERY

Students master the required skills using a personalised set of interactive learning activities which provide them with feedback and support.

ASSESS LEVEL OF MASTERY

Students assess their own level of mastery through a summative assessment that provides them with the confidence that they are ready for subsequent success.



- Incorporating principles of Assessment for Learning.
- Based on 10 years of research and a proven track record of success.

10 years

DATA-DRIVEN INTERACTIVE DASHBOARDS TO MONITOR PROGRESS AND PERFORMANCE

Assessments can be customised for any set of required maths skills.



Business and Finance



Engineering Technology



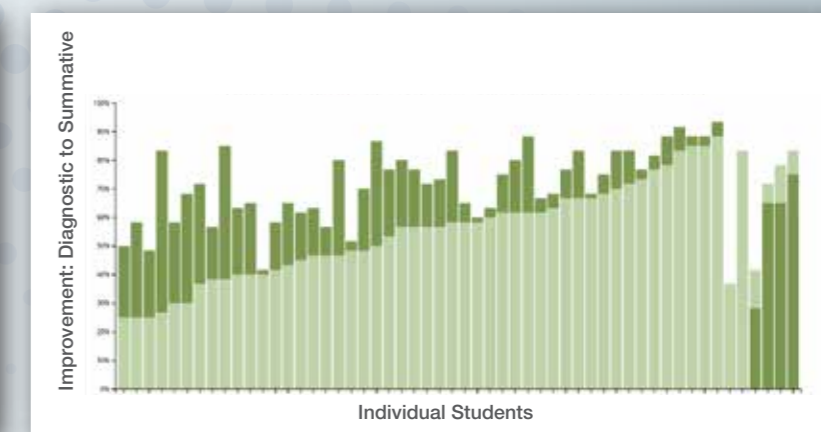
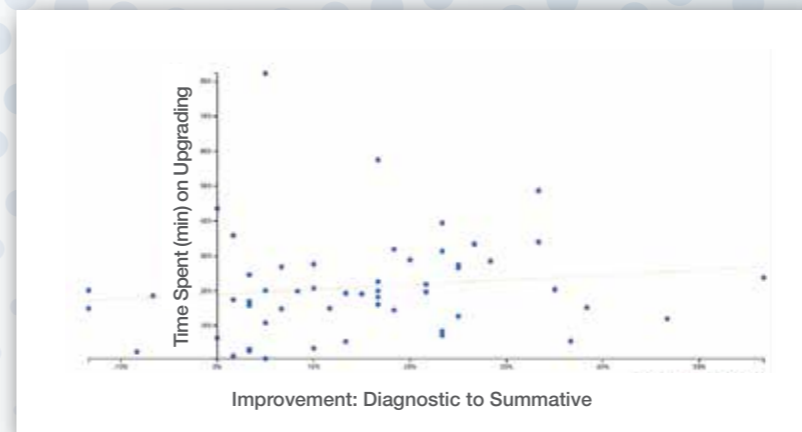
Health Science and Nursing



Tourism and Hospitality



Apprenticeship and Trades



KEY FEATURES



Assessment Framework

The Elevate My Maths assessment framework includes two important dimensions: (1) Content topics: whole numbers, arithmetic, integers, decimals, fractions, ratios and proportions, percents, basic algebra, and measurement (2) Performance expectations, corresponding to the broader goals of mathematics teaching and learning: (a) Knowing, (b) Applying, and (c) Reasoning. This framework can be used as is in its current tested form, or customised for any college/university or course.



Assessment Items

The Elevate My Maths assessment contains items that are both constructed response (written) type and selected response (multiple choice) type and are available in both English and French languages. The variants of the items were developed by a proprietary algorithm and selected on the basis of realism and ease of computation, then field tested for their psychometric properties.



Test Designs

The Elevate My Maths test designs ensure that with every attempt each test is unique for every test taker, is equally representative of both content and performance expectation dimensions of the assessment framework, and is long enough with sufficient numbers of test items to enable reliable estimates of test takers' abilities but short enough to complete in a reasonable length of time.



Upgrading Modules

The Elevate My Maths upgrading modules are unique mastery-based learning resources that are designed and developed using state-of-the-art, award-winning interactive pedagogies proven to help students master core concepts in mathematics. The modules are voice-enabled and break down concepts into micro-steps for students to visualize, conceptualize and engage with mathematics. They provide students with a personalized learning experience in maths.



Dashboards and Settings

Student data from the use of the Elevate My Maths is transformed into intuitive dashboards from which teachers can track the real-time progress of individual students and overall class/group performance. The system provides teachers with the flexibility to set open and close dates for each resource, set cut-scores that will automatically send emails to the teachers with a list of students who are "at risk" and export data for further analysis.

