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MATH(S)LAB®

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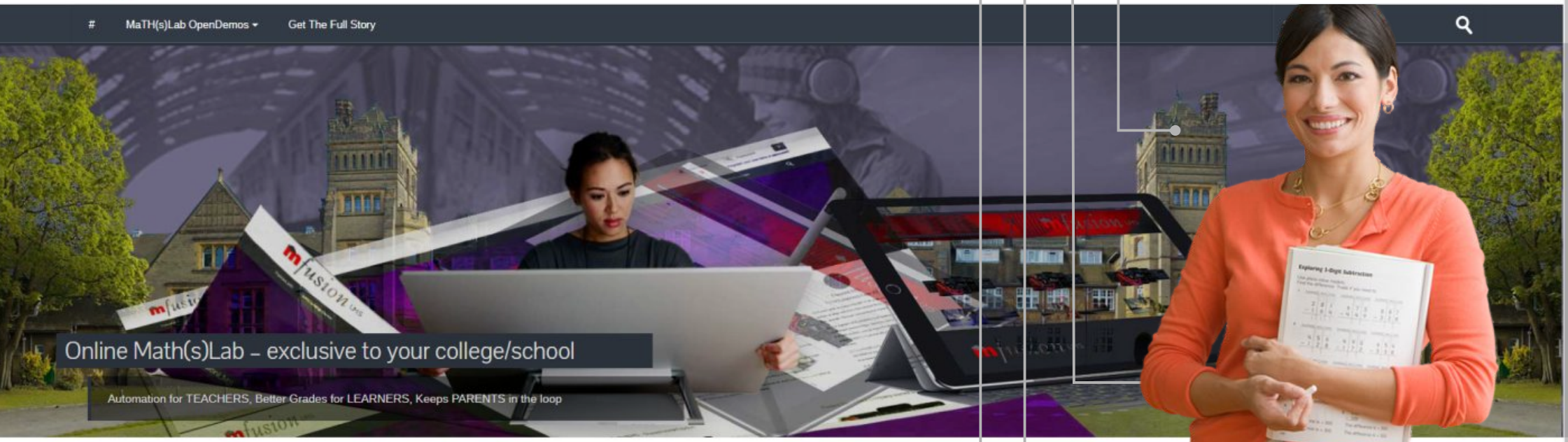


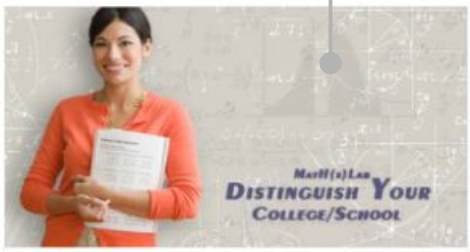
Online Maths Lab - Unique for each College/School

BlendedLearning

MATH(S)LAB®

COMBINING THE BEST TEACHING METODS

Better Grades, Individual Attention: This Online Maths Lab works alongside Face2Face Classroom Teaching. It helps teachers reach a larger group of learners with more individual attention, producing better grades. **Automated,** takes pressure off the teacher and keeps parents in the loop. **Anytime anywhere.** Multiple Media Responsive layout, Desktop, Laptop,Tablet, Mobile.



Maths Grade 10-12: CAPS and IEB aligned. 2500 Short format Math exercises. 500 Exam and Test preparation assignment exercises. Automated assignments. >300 Hours of Video Tutorials

Maths Level N1-N6 : NATED. 2200 Short format Math exercises. 400 Exam and Test preparation assignment exercises. Automated assignments. >400 Hours of Video Tutorials

Brochure **4**

DETAILED COURSE CONTENT

MatH(s)Lab Course Content - (Brochure 4 of 4)	Page
MatH(s)Lab resources G10-G12 & N1-N6	1
Blended Learning - Classroom & Online Combination	2
MatH(s)Lab Course Content N1- N6	3
MatH(s)Lab Course Content G10-G12	4
MatH(s)Lab Subject Matter Credentials and Learning Management System Credentials	5

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Maths Grade 10 - 12:

CAPS and IEB aligned. 2500 Short format Math exercises.

500 Exam and Test preparation assignment exercises.

Automated assignments.

>300 Hours of Video Tutorials

Maths Level N1 - N6 :

NATED. 2200 Short format Math exercises.

400 Exam and Test preparation assignment exercises.

Automated assignments.

>400 Hours of Video Tutorials

Teacher

Teacher's Toolbox | Video Tutorials | Exam paper Assignments | Short-Question Format

Learner

Teacher

Learner

Parent

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Maths N6	Maths N5	Maths N4
Differentiation	Limits and continuity	Equations, manipulation and word problems
Applications of differentiation	Differentiation	Determinants
Integration techniques	Applications of differentiation	Complex numbers
Partial fractions	Integration techniques	Trigonometry
Areas and volumes	Partial fractions	Sketch graphs
Centroids and centres of gravity	Applications of definite integrals	Limits and differentiation
The second moment of area	Areas and volumes	Integration
The moment of inertia	The second moment of area	
Differential equations	Differential equations	
Applications where differentiation and integration techniques are combined		

Maths N3	Maths N2	Maths N1
Factors and fractions	Exponents and logarithms	The Four Basic Algebraic Operations
Exponents, surds and logarithms	Factorisation and algebraic fractions	Exponents and Logarithms
Equations, word problems and manipulation	Factorisation and algebraic fractions	Factorisation Common Factor
Co-ordinate geometry	Algebraic graphs	Algebraic Fractions
Algebraic graphs	Radian measurement: angular and circumferential	Equations Formulae and Word problems
Differential calculus	Trigonometry	Algebraic graphs
Trigonometry	Mensuration	Geometry of the triangle
		Trigonometry
		Percentages
		Mensuration

Teacher

Teacher's Toolbox

Video Tutorials

Exam paper Assignments

Short-Question Format

Learner

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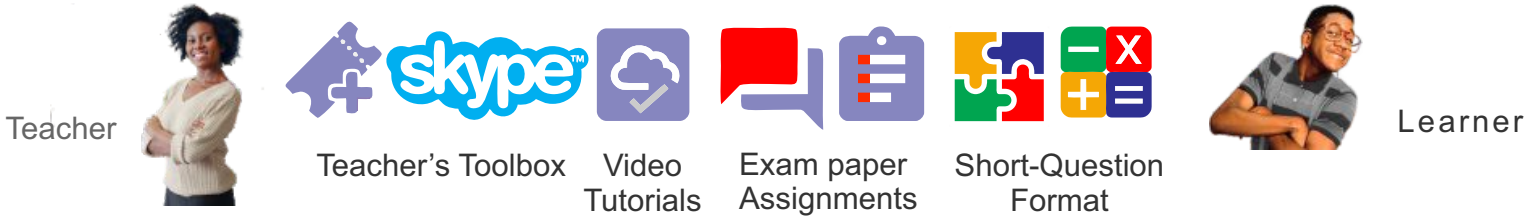
Grade 10	Grade 11	Grade 12
Algebraic expressions	Exponents and surds	Number patterns
Exponents	Equations and inequalities	Functions, inverse functions- exponents and logs
Equations and inequalities	Number patterns	Finance, growth, decay
Trigonometry	Analytical geometry	Trigonometry
Number patterns	Functions	Polynomials
Functions	Trigonometry	Differential calculus
Euclidean geometry	Measurement	Analytical geometry
Measurements	Euclidean geometry	Euclidean geometry
Analytical geometry	Finance, growth and decay	Statistics
Finance and growth	Probability	Probability
Statistics	Statistics	
Probability		



What is Behind mathS(s)Lab?

mathS(s)Lab

153 Additional Maths Specific LMS Features

mfusion LMS

Advanced Moodle

Basic Moodle

moodle

200 Schools in S.A

5 TVET Colleges in S.A

4 Universities in S.A

100 Million Users Worldwide

Western Cape Education Department

Moodle Foundation

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What are its credentials?

1

1.Maths Subject Matter Credentials

Short-Question Format

Official Syllabus Based

Official Text Books

Official Exam Papers

Maths Expert LMS Configured

PhD

MSc

BSc

BSc

MBA

Long-Question Format

Official Exam Paper Based Assignments

Video Tutorials

Expert Authenticated YouTube

Maths Expert LMS Configured

PhD

MSc

BSc

BSc

MBA

2

2.Online Learning Management System Credentials