

Setting Milestones In Innovative Learning

At NIIT Nguru, we believe that learning without fun has little impact and is not learning for life. With a holistic range of K-12 learning solutions, NIIT Nguru aims to make the process of teaching and learning simpler. Nguru is an amalgamation of technology and education where learning is co-incident rather than the conventional. NIIT Nguru transforms the regular content into a new learning everyday by incorporating technology in curriculum with real-life examples. With our modern and advanced fun learning approach, we try to bring back the joy of learning for students.



19 States



17,000 Schools





88 Cities

■ Bringing the
JOY
of learning to
mathematics

MindChampion Learning Systems Limited (Wholly owned subsidiary of NIIT Limited)

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 NIIT Nguru  NIIT Nguru

Why do students fear Math as a subject?



Math: A student perspective

Issues	Solution
Lesser recall	Shift in the examination system - more focus towards understanding/reasoning
Stress (due to curriculum load)	Adapting to constructivist approach like NCF 2005, continuous assessment system focusing on learning and not on testing
Low self-esteem	Individual attention, introduction to new types of pedagogy like activities-based learning, PBL
Low attention span	Good learning ambience and add more fun
Not able to connect	Access to other educational resources

Learning Mathematics: The Nguru approach

We believe that every challenge faced by schools while tackling the subject of mathematics occurred due to a redundant approach towards the subject, as students were expected to learn through obedience. Nguru introduced a fresh and revolutionary – but effective – approach: We introduced the idea of learning through applied reasoning.



MathLab Plus: Simple, but effective solution



Every challenge has a solution in mathematics. But how do we add fun into learning mathematics? MathLab, is a unique product that applies math to everyday situations and practices.

Children are introduced to an interactive environment where they can explore the subject like never before. Here students are engaged in hands-on learning rather than following a fixed curriculum. Which, in turn, helps children face real world situations through logical reasoning and critical thinking.

Developed after many years of research, MathLab creates an environment for student-centric explorative learning (learning by doing). It is entirely structured on NCERT guidelines which emphasize discovery, enrichment and verification of facts, reinforcement and demonstration of concepts using aids, charts and models. It focuses on a project based learning approach, as suggested by NCF 2005.

Unique 3i approach to make Mathematics more fun and visually engaging

3I FORMULA

IMAGINE

Explore concepts presented through a variety of media to promote out of the box



INVESTIGATE

opportunity to question the answers by framing and testing hypothesis



INTERACT

Distinguish facts from options through collaborative, peer-to-peer learning and knowledge sharing



MathLab Plus. The components to the formula:

Teaching and Learning Aids



Software Application



Manipulative



Handhold Support



Room Set-up



The MathLab impact study conducted across 150 schools in 11 states, revealed a remarkable improvement in proficiency scores of students.

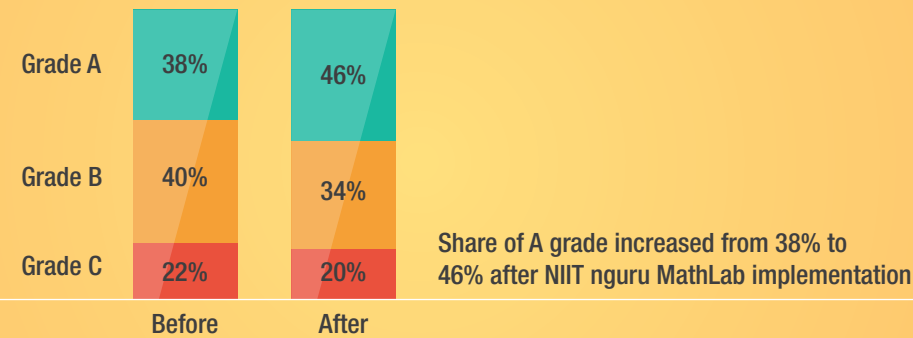
MATHLAB. SIMPLE SOLUTION. GREAT IMPACT.

STUDENTS NOW DON'T HATE MATH, THEY LOVE IT!

After an impact study conducted by Deloitte and NIIT in multiple schools across 11 states and surveying 2,476 students, it became apparent how MathLab had impacted the lives of the students and teachers.

CLASS X BOARD RESULTS IMPROVED

Giving our bright minds the right tools to shine.



PERFORMANCE IN ALL TOPICS WENT UP!

- NIIT Nguru MathLab students perform better than non ML students in most topics
- By grade X, NIIT Nguru MathLab students have a higher proportion of correct responses on topics than the non ML students

	Number		Measurement		Algebra		Geometry		Data		Chance	
	NIIT ML	Non ML	NIIT ML	Non ML	NIIT ML	Non ML	NIIT ML	Non ML	NIIT ML	Non ML	NIIT ML	Non ML
Class X	69	59	50	38	53	42	69	58	45	38	46	37

TEACHERS AND PRINCIPALS HAVE LOVED IT!

96%

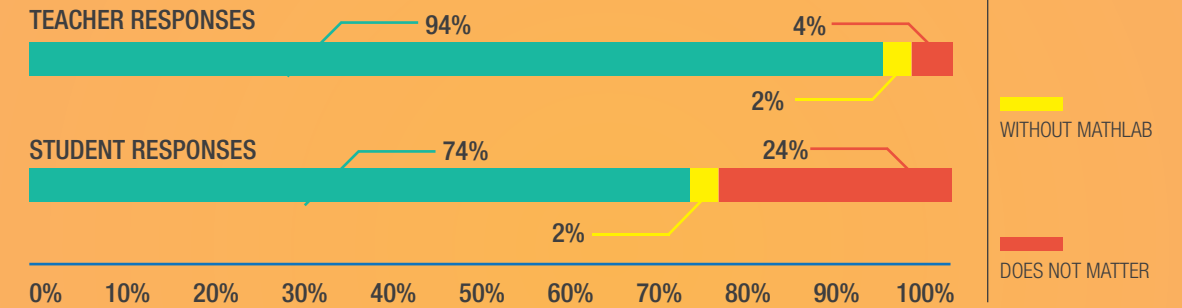
principals and teachers are of the opinion that MathLab has had a positive impact on students' achievements in Mathematics through test results



Teachers felt that MathLab has improved learning of students particularly in topics such as **theorems in Geometry, Integers and Fractions.**

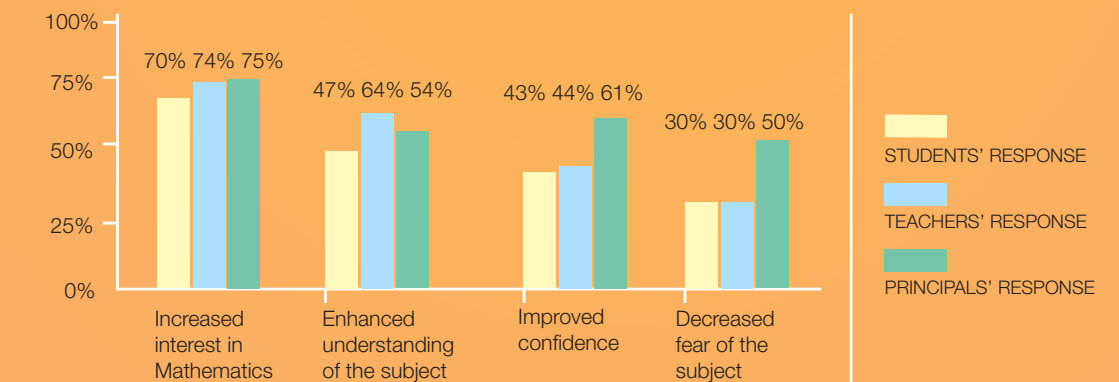
NO MATH WITHOUT MATHLAB.

PREFERENCE FOR LEARNING MATHEMATICS WITH NIIT MATHLAB.

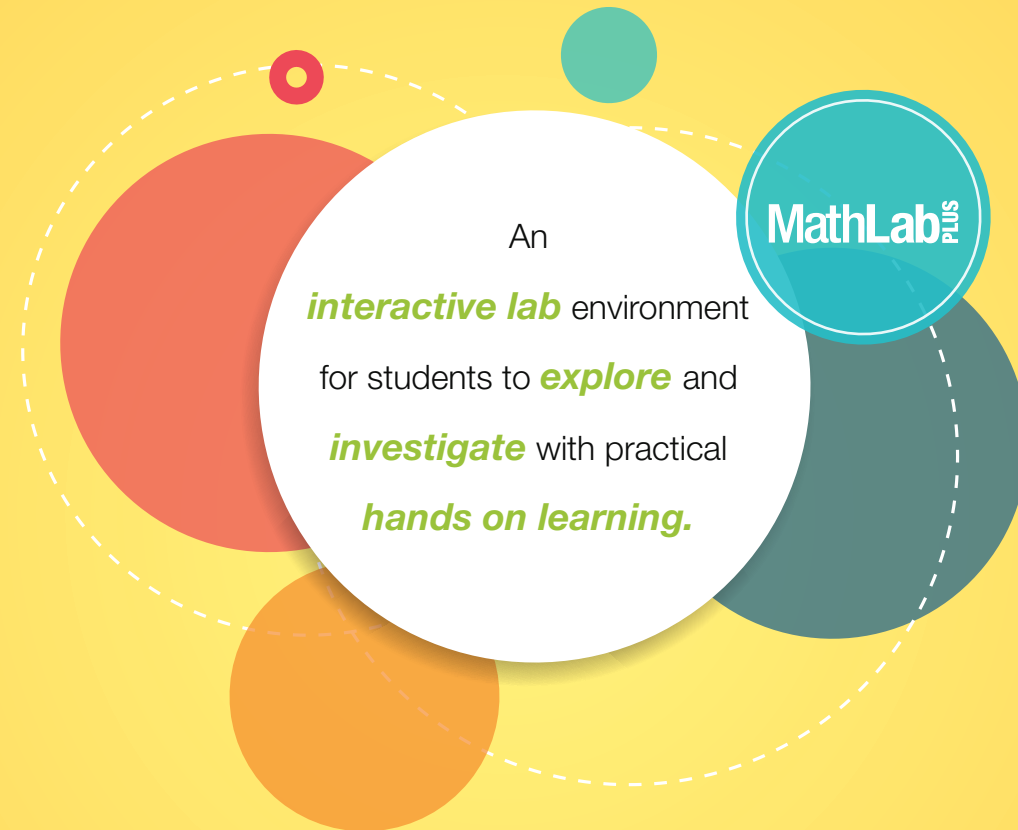


FEAR OF LEARNING MATH? NO MORE

IMPACT ON ATTITUDE TOWARDS MATHEMATICS WITH NIIT MATHLAB.



Learning Beyond Classroom



Advantage MathLab

What MathLab has to offer both students and teachers

	Teacher	Student
Math activities	Large repository of interestingly crafted activities to generate kinesthetic learning environment, customizable as per the teaching plan	Hands on is Minds on: investigating, exploring, observing and concluding leading to re-enforced learning and construction of own knowledge
Ready to use Activity Books – optional	Choice of activities well supported by concept specific fascinating facts, historical aspects and brain teasers reducing the preparation for assessments	Concept based activities available in an engaging presentation with guided instruction to complete the activity.
Multimedia content	Enriched multimedia content providing a variety of tools to enrich the learning environment and cater to multiple learning styles in the class	Interactive multimedia content presented using age-appropriate pedagogy to engage the learners
Dynamic Worksheets	On demand customizable Worksheets to cater to differentiated instructions and remedial	Repeated practice on focussed areas as defined by the teacher to build confidence, capability, speed and accuracy
Integrated Assessment System	Comprehensive Question Bank to configure and administer an online or an offline assessment. Student performance is tracked and made available for academic analysis through reports	An online evaluation system that gives instant feedback on the performance of the learner
Design & Ambience (optional)	Provides break from regular dull classrooms , thus helps in capturing attention	Allows to learn, collaborate and adapt in real-time

System Usage Reports: Usage tracking reports for each class for effective management.

Deliverables

MathLab PLUS components:

- MathLab Application – Class I to X
- Geometer Sketch Pad
- Manipulative
- Posters
- Activity Books
- Faculty Guides
- MathLab Ambience – including tables, chairs, equipment & room design
- Math-e-magician Events
- Support Services

MathLab Application:

- Activities mapped to all concepts
- Multimedia content
- User friendly interface
- Worksheets
- Content collaboration
- Assessment engine
- Digital notes
- Dynamic search
- Reports
- Teacher lesson plan
- Web links
- Updated question bank
- Quizzes



What our customers say about us



Our Math Lab journey started with NIIT Nguru MathLab Plus. The children would be very enthusiastic and came smiling to a Math class! The smiles on students' faces are the biggest rewards MathLab has got us. The hands-on activities that the students perform in a Lab that is so well-fitted, has greatly improved the students' interest in Mathematics.

Principal

Gurugram School, Gurgaon

NIIT has assisted us in setting up the Math Lab. The colourful, scientifically designed, technically equipped lab with customized software for the classes, have become an asset for our school.

S. Sen, Principal

Ballygunge Shiksha Sadan, Kolkata

