

# India Case Study: Bringing Education to Greater Heights



## Jai Santoshi Matha High School

### 1. BACKGROUND

D. Laxmi Koumudi, a Grade 8 student at Jai Santoshi Matha (JSM) High School has always been taught lessons the traditional way – with blackboards and textbooks. For the antsy teenager, these lessons are tedious and boring. She finds it hard to concentrate in class and thus has trouble completing her homework. It is no surprise that she finds learning (and in extension, studying) a chore, and a stressful one at that. But in February 2011, Laxmi’s view on learning changed for the better.

JSM High School had, in February 2011, made significant changes to its curriculum by integrating MC Online’s Learning Portal to enhance its daily curriculum with digital learning elements. Situated in Hanamkonda, Warangal, the school has taken a big step in equipping its classrooms with the technological infrastructure to support multimedia-rich educational content supplied through MC Online’s learning portal. Since its implementation, the portal has opened new doorways for students and teachers of JSM High School.

### 2. E-LEARNING IN JSM HIGH SCHOOL

Classroom lessons are now supplemented with pedagogically sound videos and activities straight from the online portal. This is especially useful for subjects and topics which are hard to visualise. In Laxmi’s Chemistry class, her teacher shows videos of experiments to illustrate topics like molecules and prepare the class for actual experiments in the science lab. This way, Laxmi and her peers are able to fully engage in lessons – they can observe and analyse from all angles, the shape and progressive formation of three-dimensional molecules. The students are equipped with the fundamentals of molecular geometry, which sharpens their observational and critical thinking skills during hands-on laboratory sessions.

Laxmi’s teachers also integrate online quizzes and activities, sometimes in the form of games, into their lessons to increase interactivity in the classroom. Laxmi and her friends solve puzzles, label three-dimensional diagrams, and manipulate interactive simulations, after which they engage in lively teacher-led discussions and share what they’ve learnt with one another.



**Laxmi and her classmates enjoy a fun afternoon engaging in interactive English language practices, and learning Chemistry through exciting video experiments**

## India Case Study: Bringing Education to Greater Heights

### 3. OUTCOMES - TEACHERS

With a variety of digital resources and tools on hand, teachers feel they are more empowered in school, from pre to post-lesson processes. Lesson planning is now easier and quicker through flexible integration of videos, and other readily available multimedia aids and tools - teachers noted that they no longer have to spend as much time searching for or creating their own lesson material before class.

During class, teachers observed that with the multimedia lesson aids, their students were visibly more engaged and interested in lessons. Teachers also liked that they could use auto-grading and score summary features of online tests to ensure students had understood key lesson points. With the immediate generation of feedback, teachers were able to gain a comprehensive view of their students' progress across different subjects and topics, and tailor homework and assignments to focus on students' weak areas.

### 4. OUTCOMES - STUDENTS

Students commented that they particularly enjoyed lessons held in computer labs, to the extent that they now try harder to understand concepts rather than memorise them. This has resulted in an increase in students' passing rate of examinations, and helped improve their level of accuracy by 60% in task completion.

Students also said that they felt more motivated to access MC Online's learning portal from home and revise concepts learnt in class or prepare for classes beforehand. Teachers estimated that even if their students were absent from class for a few days, they would still be able to understand at least 20-30% of the classroom-taught topics based on self-study at home.

### 5. OUTCOMES - PARENTS

Parents are pleased with their children's progress too. They observed that their children are able to revise lessons without supervision, and understand lessons more easily. They also noted that their children's command of the English language had also improved significantly after engaging in the English-taught digital curriculum.



**Learning takes on new meaning with visual stimuli that motivate students to pay attention in class**

## India Case Study: Bringing Education to Greater Heights

### 6. TESTIMONIALS – STUDENTS

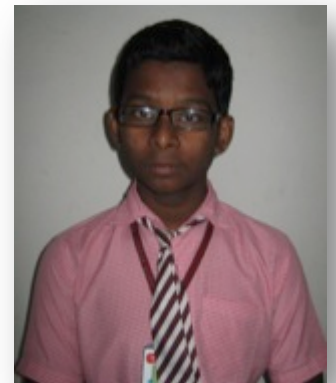
“I like to play the educational games...it is very useful to learn subjects in different ways...MC Online has made our studies much easier and more interesting.”

**D. Laxmi Koumudi**  
Grade 8 student



“As the lessons in MC Online are in English, our competence in English improved...the English grammar activities helped us develop our fluency and communication skills ”

**R. Prudhvi Raj**  
Grade 8 student



“All the programmes are very interesting...the lively videos show us what’s happening around the world...we can enjoy as well as learn the subjects by doing the assignments and playing games...we even do practices and activities at home on Sundays!”

**Ch. Deeksha**  
Grade 9 student



“MC Online helped me overcome my learning problems...it was difficult for us to understand some topics before using the learning portal but now, I can clarify those doubts after watching the tutorials and doing the activities...If I am absent from school, I can still access MC Online at home to learn and understand the topics. ”

**R. Madhuri**  
Grade 9 student



## India Case Study: Bringing Education to Greater Heights

### 7. TESTIMONIALS – TEACHERS

“After using MC Online, my students improved in Maths, Physics and Chemistry...they try harder and show more interest in attending my classes.”

**Rajini Kanth**  
Grade 5 – 7 teacher



“Sometimes, performing an experiment may not be possible...and pictures and diagrams cannot recreate the experience...but it can be shown through MC Online. The students also get very excited...when students are interested, teaching becomes very easy. Lesson plans can also be done easily...(there are) predefined concepts in animated form and results can be generated easily, which helps us concentrate on slow learners. ”

**Ronald Kiran**  
Grade 5 - 7 teacher



“I can include many animated clips to increase students’ motivation to learn...I can also create different types of games to help students understand a particular concept clearly...MC Online helped us teach lessons more effectively and in a livelier manner...Students also acquire a good knowledge of computers and become familiar with using them.”

**T. Sridevi**  
Chemistry teacher



## India Case Study: Bringing Education to Greater Heights

### 8. TESTIMONIALS - PARENTS

“She has gained lots of additional knowledge by using MC Online, and an interest to learn.”

**K. Srinivasa Rao**  
**Parent of K. Santhoshini Shivani, Grade 7 student**

“Lots of improvement is noticed...she is able to understand lessons in an easy and perfect manner.”

**J. Sudhakar**  
**Parent of J. Pranitha, Grade 8 student**

“Before MC Online, our resources were very limited. But now MC Online provides games and videos for all subjects. There are experiments for Physics and Chemistry, useful Maths games that help him acquire techniques to solve problems with simple methods...MC Online has helped him experience all of this...and helped him secure better marks...so I can heartily say thanks to MC Online!”

**N. Srinivasa Rao**  
**Parent of N. Abhinav, Grade 8 student**

“Before MC Online was introduced, my child used to get average marks. Now she ranks highly and does well in all subjects.”

**G. Venugopal**  
**Parent of G. Sravani, Grade 9 student**

“My child used to have much difficulty in understanding...if she is absent for a day, she usually finds it challenging to keep up with the rest of her class the next day...but MC Online has helped her to clarify her doubts through lessons that can be accessed at home, and she has improved a lot.”

**R. Ranjith**  
**Parent of R. Madhuri, Grade 9 student**