

Indonesia Case Study: Paving the Way for Digital Learning



1. BACKGROUND

In today's rapidly globalizing world, the ability to move with changing times and trends is becoming increasingly important. The rise of the digital age has effectuated the need to be IT-savvy to thrive in society and this has taken root in ICT-enriched school curriculum. Since July 2013, Springfield International School has incorporated digital technology in daily lessons to enhance students' learning experience and prepare them for future challenges in the 21st century.

Through Marshall Cavendish Education's e-learning portal, MC Online, teachers and students from Springfield International School have been engaging in e-learning curriculum, facilitated by digital tools to much success.

2. E-LEARNING IN SPRINGFIELD INTERNATIONAL SCHOOL

Situated in West Jakarta, Springfield International School has 450 students using the digital portal. Before the implementation of the online learning portal, teachers at Springfield International School mostly taught lessons with print materials and basic technology like computer presentations and self-sourced videos. With the incorporation of the learning portal into school lessons, their method of lesson instruction has expanded drastically.

Classroom lessons in Springfield International School are now more visually stimulating and interactive with the aid of multimedia tools such as videos and manipulatives.

For subjects like Science, the learning portal's multimedia animations help illustrate topics such as Plants in clearer and more engaging ways, enabling students to understand concepts better and grasp them more quickly. The visual aids act as motivation for students to proactively watch online tutorials before lessons so they are better prepared for class the next day. In this way, students are also able to focus more during actual class time and are more participative in class discussions.

For teachers, the portal enables them to vary their mode of lesson instruction to make lessons more stimulating. For example, teachers now have the option of letting their students watch video tutorials during class to teach the more difficult concepts. They then use the portal's activities for group work in class, and assign quizzes as homework for extra practice.

Teachers can then use administrative tools like the report centre to generate reports of their students' assignment completion status and track improvement levels. The reports serve as a form of intervention for teachers to suss out weaker students and focus on the areas they can improve on.



Students at Springfield International School engaging in collaborative learning with their peers

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3. OUTCOMES - STUDENTS

Teachers have noted that students are more engaged in lessons and are more excited to solve problems. In fact, students are so eager to learn, that they even review lessons at home on their own initiative. Before a unit test on Light, students had already reviewed the online tutorial through the portal, resulting in improved performances on their overall test grades.

For Science, teachers observed that their students' increased motivation to study has led to a 20% increase in class' average grade for Science tests.

Similar results have also been seen in Mathematics classes. During Mathematics tests comprising different assignments posted on the learning portal, teachers noted that all students succeeded in completing the assignments despite having varied abilities.

In general, students in Springfield International School have experienced an overall improvement in their test performance and grades.



4. OUTCOMES - PARENTS

Parents have embraced the concept of e-learning and commented on the convenience of their children being able to learn any time, anywhere. With the introduction of educational technology into school curriculum, their children are exposed to digital learning at an early age, which they feel broadens their child's knowledge and thinking skills while providing positive learning experiences.



Students enjoying animated e-learning lessons with their peers and engaging in class discussions after

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5. TESTIMONIALS – STUDENTS

“It’s hard to learn without the learning portal because it has lessons, activities and tutorials that provide more information, help me think faster and teach me a lot more about Mathematics. I use the portal five times a week just to learn more!”

Odelyn
P2E student, Springfield International School

“The portal helps me practise Mathematics more. When I get answers wrong, I can try again till I get it right. My scores are higher now.”

Jocelin
P3C student, Springfield International School

“It’s fun learning through the portal. I like the games which make studying easier. They help me in my mental calculations and I understand word problems better now. I get good grades now!”

Helga
P4B student, Springfield International School

“I like the Social Learning Wall as it enables social networking. We can talk to our classmates and even play games while gaining more knowledge.”

Anthony
P4C student, Springfield International School

“We can study online now and understand things better. I use the portal every week and almost everyday.”

Draven
P4C student, Springfield International School



No longer bored in class, students are all smiles during lessons in computer labs

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6. TESTIMONIALS - TEACHERS

“The portal provides a complete package of tutorials, activities and quizzes with varying difficulty levels, and has an auto-grading system too. My students are more interested and engaged and they love the videos and games. They are more eager to learn and are more careful in answering questions.”

Melidia
P1 teacher, Springfield International School

“The online curriculum is more interactive and students are more excited to solve the problems both individually and in groups.”

Fiona
P1 teacher, Springfield International School

“I use the video tutorials to teach difficult concepts. It really helps struggling students and helps them pay attention. They’re more motivated and find the lessons enjoyable.”

Nathaliana
P4 Mathematics teacher, Springfield International School

“It’s easier for me to track and monitor my student’ assignment submission and progress. I also find that students are more engaged in lessons and can obtain more information about the subject at hand when they are interested in it.”

Gita
P4 Science teacher, Springfield International School



Teachers incorporating interactive lessons during class to increase student engagement

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7. TESTIMONIALS - PARENTS

“The learning portal benefits children a lot by enabling them to engage in interactive learning and reading practices independently. I’m glad they are introduced to the Internet in their early years so they can easily adapt to the future world.”

**Prisilia, parent of P3A student, Edward Louis Gomulia
Springfield International School**

“It’s a good additional resource for my child to learn with. He really likes the Mathematics activities on the learning portal.”

**Melani, parent of P1C student, Kennard Daniel Land
Springfield International School**

“My child is becoming more independent in his studies. He is able to concentrate better and reads everyday now.”

**Parent of P2C student, Archie
Springfield International School**

“I can use the portal to review my child’s results and see how she’s been doing in school. Her results have improved!”

**Parent of P1F student, Genevieve Lee
Springfield International School**

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ABOUT MARSHALL CAVENDISH EDUCATION

Marshall Cavendish Education is the leading textbook publisher and preferred co-publisher of the Ministry of Education, Singapore with our core curriculum materials being widely adopted in schools. With this, we were able to contribute to the outstanding performance of Singapore students in international studies, such as TIMSS and PISA, since 1995. Beyond Singapore, our materials have been adopted in more than 50 countries and are available in over 11 languages.

With over 40 years of experience, we have proven our capability in producing well-researched and holistic education solutions of curriculum, technology and professional development to meet the increasing needs of teachers and students in the 21st century.

Curriculum

Our comprehensive curriculum is supplemented by a wide range of assessment books that further challenge learners and encourage critical and creative thinking.

Technology

As Singapore's premiere e-learning solution and service provider, we have been providing schools with an online platform that makes teaching and learning more innovative and effective. With a strong track record in Singapore, we are well-placed for international expansion.

Professional Development

We also believe that teachers play an important role in a child's education. As such, we have a dedicated team of academic experts to conduct research and develop relevant programmes to keep our teachers in touch with the trends in education and sharpen their teaching skills.

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