

# Queen Elizabeth School Old Students' Association Tong Kwok Wah Secondary School

Case Study, Hong Kong, China



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– Zhen Hung Tse, teacher,  
TKW Secondary School

## Multimedia Enriches Learning Experiences

Queen Elizabeth School Old Students' Association Tong Kwok Wah Secondary School (TKW Secondary School) was established in 2005 as part of a new school district that promotes active learning and has 310 students in form 1 (ages 12 to 13). Educators at the school wanted to enhance teaching and learning by digitizing the classroom and making active learning interactive.

To increase student participation and enthusiasm, teachers wanted to integrate visual and auditory elements into their lessons plans but were lacking the appropriate technology. Many textbooks used by the school include supplementary teaching CDs with visuals and interactive clips that augment lessons plans and improve student comprehension. However, educators weren't using them because they found it awkward to switch between different mediums.

SMART products proved to be the solution. Between August 2005 and August 2006, TKW Secondary School installed 36 SMART Board™ interactive whiteboards into its classrooms. Now educators seamlessly integrate supplementary teaching materials into the curriculum, generating student

interest and involvement. From watching videos to searching for a topic online, the SMART Board interactive whiteboard permits teachers to effectively incorporate multimedia components into any lesson plan. Integrated humanities teacher, Zhen Hung Tse, for example, uses the SMART Board interactive whiteboard to conveniently include current news in the class curriculum.

"The SMART Board interactive whiteboard has created a new learning environment for the students. By teaching with videos, images and interactive slides, students show more receptiveness and responsiveness to the class content. In addition, the SMART Board interactive whiteboard has greatly helped me manage my class materials. I teach three sessions of the same class, and with the help of SMART Board interactive whiteboard and the capability to save all changes, I know exactly where I left off from the last class," says Zhen Hung Tse.

The SMART Board interactive whiteboard has also facilitated the learning and teaching experience for students and teachers in English class. "Before I was introduced to the SMART Board interactive whiteboard,

### Challenge

Digitize the classroom

### SMART Solution

SMART Board  
interactive whiteboard

### Result

Teachers find increased participation and interest from students

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*“Students become more excited about what they are studying.”*

teaching vocabulary always involved a lot of behind the scenes preparation, such as cutting and pasting paper. As well, it was always very cumbersome to carry large stacks of paper to class. Now, everything is stored and prepared electronically. It saves not only time, but paper too,” says English language teacher Yuk Fen Chan.

Previously, teaching vocabulary involved crowding the board with self-prepared laminated flash cards. With the SMART Board interactive whiteboard, teachers can paste images into one document and use the resizing tool to enlarge them, so even students sitting in the back row can see them clearly. Teachers no longer have to waste time writing sentences on the board. Instead, all sentences are prepared beforehand. Teachers and students can unveil answers by covering the blanks with colored boxes.

“Teachers at TKW Secondary School always look for inventive ways to enrich students’ learning experience. The SMART Board interactive whiteboard is the perfect solution that provides the platform for teachers to overcome the monotony of teaching with a blackboard. Its user-friendly interface has encouraged teachers to implement technology into the curriculum, which in turn translates to better learning for the students because they become more excited about what they are studying,” explains principal Josephine Mak.

Teachers at TKW Secondary School have 310 great reasons to use SMART Board interactive whiteboards in their classrooms – one for each of their students. The interactive whiteboards have not only enhanced the pedagogy, but are engaging students in the curriculum in new and interactive ways every day.

## About SMART

SMART Technologies Inc. is both the industry pioneer and global education market segment leader in easy-to-use interactive whiteboards and other group collaboration tools. The award-winning SMART Board interactive whiteboard is the most widely installed interactive whiteboard in the world. Many school jurisdictions have standardized on the product, which is used to provide interactive learning opportunities and enhance student achievement in more than 330,000 classrooms spanning every U.S. state, every Canadian province, every Local Authority in the UK and in more than 100 countries worldwide. SMART products also include interactive pen displays, interactive digital signage, wireless slates and software. Using SMART products, groups can access and share the information they need to meet, teach, train and present. SMART’s education customers include New York City Board of Education (U.S.), Oxford University (UK), Kobe City Board of Education (Japan), Barnier Public School (Australia), University of Ottawa (Canada), United World College (Singapore), Stephen-Hawking-Schule Neckargemuend (Germany), Florida School for the Deaf and the Blind (U.S.) and Harvard University (U.S.).



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