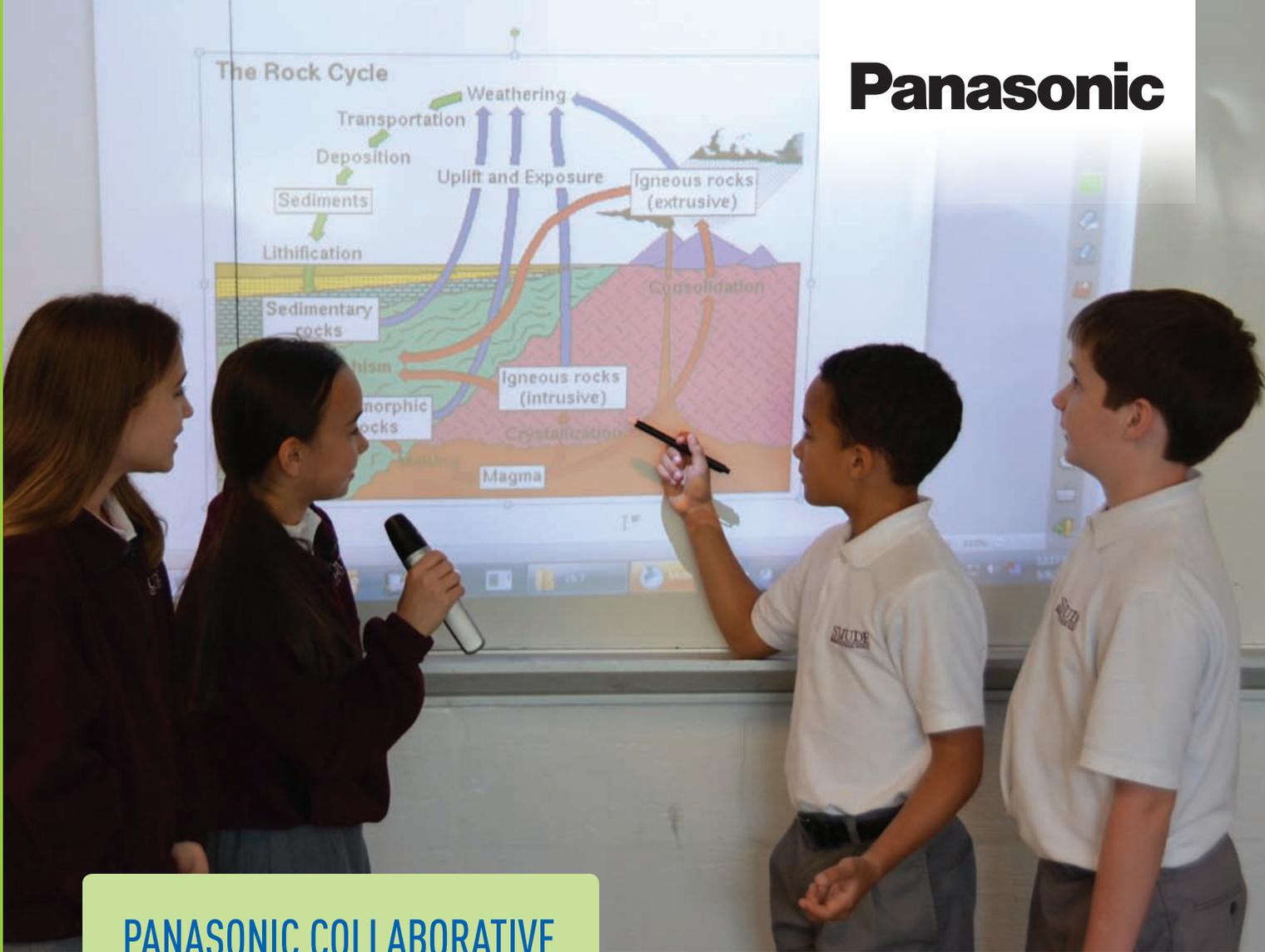


# Panasonic



## PANASONIC COLLABORATIVE CLASSROOM CASE STUDY: ST. JUDE REGIONAL CATHOLIC SCHOOL

ST. JUDE REGIONAL CATHOLIC  
SCHOOL INCREASES STUDENT  
ENGAGEMENT THROUGH  
PANASONIC AV TECHNOLOGY

Just outside Washington D.C., in Rockville, MD, prekindergarten-through-eighth-grade students of diverse religious, racial, ethnic, and income backgrounds attend St. Jude Regional Catholic School. Several years ago, the school required a dramatic upgrade of its aging technology infrastructure and turned to Panasonic. St. Jude installed the Panasonic KX-NS1000 IP Business Telecommunications Server, saving the school over \$10,000 a year in communications costs. The Business Telecommunications Server has also increased the campus' safety by integrating with Panasonic network cameras to monitor and control access to and within the premises. More recently, when it came time to add high-impact technology to the classrooms to improve student engagement, St. Jude knew it could rely on Panasonic. With Panasonic interactive projectors and whiteboards as well as classroom audio, St. Jude classes are now more collaborative, effective, and engaging.



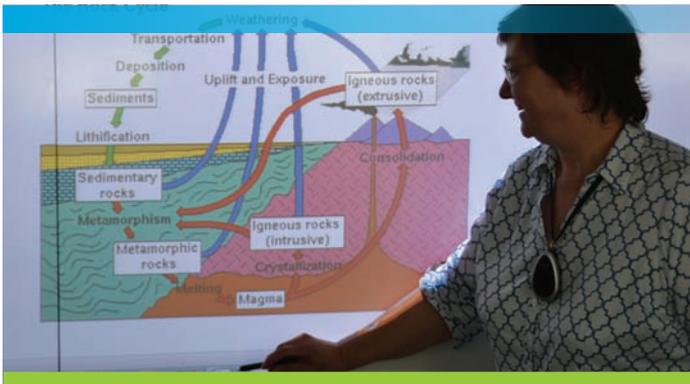
For More Information:  
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***“In short, the Panasonic speaker, microphones, projector and interactive whiteboard simply make it easier to teach and more enjoyable for the students to learn and share their ideas.”***

**—Carol Hampe, St. Jude Regional Catholic School,  
Science Teacher**

As a privately funded institution, the Catholic school can't sustain frequent equipment replacements and knew that Panasonic would deliver products that are built to last and have a low total cost of ownership. The classroom upgrades include enhanced audio through a Panasonic Infrared Wireless Powered Speaker (Model WX-LP100) in combination with the hands-free microphone (WX-LT35) and the handheld microphone (WX-LT150) for the science lab.



Carol Hampe, the science teacher for fifth through eighth grade, notes that the speaker, “projects my voice very well as I move around the classroom. The hands-free microphone is so lightweight that I sometimes forget I am wearing it. What’s more, the clip is perfect for when I’m wearing my lab coat.”

“The science classroom is quite large, with 11 lab tables and tall ceilings. At times when noise levels are higher, such as during science labs, the hands-free microphone is used to announce changes to lab protocol, keep the lab groups on track and working in a timely fashion, and to announce an interesting finding or point out a great piece of work that should be observed. Students also use the handheld microphone when making presentations to the class or discussing a finding during a lab. If a student is teaching a topic during the class, they can use the hands-free microphone so that they can concentrate on explaining the material, and not have to worry about not talking loudly enough.”

Added Carol, “We use this unit daily, and the benefits are immense: It is a great attention-getter in the classroom, it helps students who are nervous about public speaking feel more comfortable presenting their work, and it helps very quiet students feel they have more of a presence in the classroom. When the microphone is in their hand, they stand up taller, they present themselves better.”

In fact, research backs up what Carol observed. According to a paper from the New Brunswick Department of Education, “Learning is highly dependent on clearly hearing the verbal messages being communicated.” Classroom audio has been shown to improve “students’ communicative responses to teachers’ statements” and help efficiency in the classroom, with teachers noting that students are more attentive, participated more in class, and required the teacher to repeat themselves less.



Carol’s classroom also installed a PT-CW331R interactive ultra-short throw projector. With 3,100 lumens and a high contrast ratio of 8,000:1, the new projector technology ensures bright, easy-to-see images that have dramatically changed students’ ability to see what is being shared. “The previous projector was painfully dim and pale, but now students are able to see every detail.” Also ensuring visibility is the projector’s short throw distance, which projects images onto an 80-inch screen from less than 2 feet away. Not only is the image large enough for all students to see, but there is no need to worry about the presenter’s shadow on the screen blocking the lesson plan.

Said Carol, “In short, the Panasonic speaker, microphones, projector and interactive whiteboard simply make it easier to teach, and more enjoyable for the students to learn and share their ideas.”

