



Science and Math Come to Life

Success Story | The Harker School



“The best thing about using eBeams in our school is having teachers untethered from their computers. No more teachers standing next to the mouse and keyboard with their backs to the kids. Also, the ability to work with so many different types of media in one environment has brought presentations and curriculum lessons to life!”

eBeam Solution

23 eBeam Projection Systems were purchased for use the Elementary and Middle School with a focus on Math and Science

Students say...

that classroom communication between them and their teachers is more satisfying and that it's easier to participate in class when information is presented with pictures and demonstrations in a natural way.

and Teachers say...

facilitating discussions is much more effective when they can look students in the eye! Teachers also like using Scrapbook as a digital repository where they can drag and drop different types of media from different sources into one place and be able to save it for future classes.

Challenges

To include more multimedia resources in classroom curriculum, to make the inclusion more fluid, and to improve communication between teachers and students by freeing teachers from presenting from behind their computers.

Meet Angela

Angela Neff is one of the Technology Coordinators at the Harker School in San Jose, CA. In her role, she helps introduce technology, and motivate and mentor teachers to bring meaningful integration of hardware and software into their curriculum.

In Harker's Middle School Math classes, eBeam Projection is used with *Geometer's Sketchpad* to build and manipulate geometric figures and equations dynamically. This occurs fluidly from the front of the room while discussions are facilitated and eye-contact between the teacher and his or her students is maintained. Along with the visual representations of the mathematical content, the students' questions, observations, and analysis are captured and used for test review and teacher evaluation.

In Science classes, eBeam Projection is used to seamlessly annotate illustrations and diagram scientific processes. Features like the window shade, spotlight, and highlighter are also used to model for students how to more effectively and efficiently collect data and do research from web-based resources. Teachers also use eBeam Projection with Vernier Probes and Logger Pro to capture the analytical thinking that occurs in class as kids do scientific experiments.



Success Story : The Harker School, San Jose, California