

# **Gothenburg TECHS Team**

(Ryan Bahe, Mark Hilderbrand, Chris Hyde, Levi Lira, & Whitney Parsons)

Instructor: Mrs. Keiser

**At Gothenburg Public Schools we have integrated within our school: five smart boards; one in the high school science lab, PC lab, CAD lab, and in the elementary computer lab and media center. We also use e-Beam Whiteboard Technology in the social sciences, biology, math, and two in our elementary school.**

**Visiting with various teachers that use Smartboards and e-Beams in our school they have found the students are interested more in what the instructor is lecturing about or discussing in class, the students love the interaction with the technology, works great like in English where the teacher can bring up a document and then have students select with the writing tools all the nouns, adjectives etc. with the various color pens, save the document and print off the results for the students. In the science area the teachers have used or created on their own several interactive "flash" exercises to assist the students when learning about the various bones and muscles of the body. They have also come in handy with test reviews, etc. where the students can interactively use the smartboards.**

**Wii Remote Project: When we started this project we felt a bit overwhelmed – not really knowing what we were going to do but as we viewed the video and started to process the project we got excited about what we were going to do. None of us had much experience in wiring or using a soldering gun, etc. but we soon learned. One of the challenges that we had was trying to fit all of the pieces into one object. Our school did not have a soldering gun, the wire, etc. but a couple of our students quickly volunteered to bring supplies from home. We soldered the wiring as well as used black electrical tape for extra support.**

**We made the pen out of a pill bottle (to hold the battery/wiring) and took the insides out of a permanent marker to place the infrared LED and push button switch. We then put molding magic around it to shape it and so it would fit easily in a teacher's hand, adding color to it and using additional technology our school has – the vinyl cutter, we created some lettering and symbols out of vinyl to make it more personal or "Swede" like.**

**Using the website <http://www.uweschmidt.org/wiimote-whiteboard> we chose the mac application software download 0.9.8 to download to a mac laptop. We chose to go the mac route since the majority of our computers in our school are macintosh computers. We hooked up a projector, set up the Wii, calibrated the software/board and YES it all worked!!!!!! Once we receive our pen back we hope to hook it up for our art teacher who graciously helped us with the molding magic and allowed us to use his paints, etc. since our classroom already has a smartboard. Hopefully he or one of our other teachers can use our "creation".**

