

Blanca E. Pena
6340 Applications of Technology
Summer 1 – 2010
Project 3A - Documents
Professor: Janice Butler

Core challenges:

On-going Professional Development
Teacher motivation
Administration interest and support
Implementation of current programs available
Upgrade technology equipment in all classes
Computer lab support
Technology Website
MTT on campus to provide technology leadership

Thoroughly discussed the core challenges educators face today including digital divide, special populations and standardized testing.

Some of the core challenges that James Pace High School educators faced today is lack of administrative support, limited time, testing priorities, limited resources and lack of teacher interest, knowledge and motivation. Administration does try to provide the educational software but lack in the implementation and follow through of the programs. Teachers are been pulled out of their classrooms to administer testing, pull-outs camps, and monitoring in efforts to meet campus highest ratings of exemplary. Digital divide is a big problem in our campus. Teachers need to be brought up-to-date on technology in order to teacher and reach today students who are digital natives and are mentally programmed to move forward not backwards. Teachers must stop and reflect on their teaching skills to meet today native students' expectations and make teaching interesting and fun. The idea of transforming the campus into the 21st century era is visible but needs strong leadership and clear directions.

21st century skills:

The 21st century workforce is in dire need of high school graduates ready to enter the work field with experience in technology areas that are way beyond basic. Word, excel, power point and web design are the starting programs to learn but the schools need to get up to speed in digital technology. Colleges have in place work-study programs that offer so many technology work related jobs for high school student to fill but lack simple programming skills. Students need to have the opportunity to learn at their level of technology speed and language in order to meet today's 21st century workforce needs.

Gen Now students:

Students today are years ahead in technology compared to our classroom teachers who are immigrants of technology and basically refuse to change their ways of teaching. Today's students are born into a digital world where everything is just a click away, whether its' a game, a purchase, texting or blogging. They are so advanced in the technology world that teachers and parents are losing connection with them. They are connected to an avatar world where they meet make friends, to fit in and mingle yet they remain disconnected from education and family. Teachers and parents need to get up to speed with technology and become the most powerful transmitters of information to their children in order to stay connected and provide the best education.

Mission statement:

The mission of the MTT department at James Pace High School is to provide professional development, support and motivation to teachers and administration in educational technology in an effort to bring awareness of the 21st Century skills our students need for their future's success. To upgrade technology equipment, provide computer lab support, design and implement a technology website to keep teachers, students and parents well connected, motivated, and engaged in the learning process. This mission will be regularly reviewed and revised to meet our student and teacher needs.