



# PROJECT BASED LEARNING

New Tech Network &  
J.L. Mann Academy High School



# Why Project Based Learning? (PBL)

There is forty years of accumulated evidence that the instructional strategies & procedures that make up standards-focused Project Based Learning are effective in building deep content understanding, raising academic achievement and encouraging student motivation to learn. Research studies have demonstrated that PBL can:

- Be more effective than traditional instruction in increasing academic achievement on annual state-administered assessment tests.<sup>1</sup>
- Be more effective than traditional instruction for teaching mathematics,<sup>2,3</sup> economics,<sup>4</sup> science,<sup>1,5,6</sup> social science,<sup>7</sup>
- Be more effective than traditional instruction for long-term retention, skill development and satisfaction of students and teachers.<sup>1,9,2</sup>
- Be more effective than traditional instruction for preparing students to integrate and explain concepts.<sup>10</sup>
- Improve students' mastery of 21st-century skills.<sup>11,12</sup>
- Be especially effective with lower-achieving students.<sup>1,4,6</sup>
- Provide an effective model for whole school reform.<sup>13</sup>

# PBL and College/Career Readiness

PBL emphasizes skills needed for post-secondary plans

Huffington Post (March 22, 2013)

## *Pathways to Employment: Graduating Students Ready for College and Career*

“(We have been) challenged to redesign America's high schools so they better equip graduates for the demands of a high tech economy...

In that spirit, the time is now to redesign how high schools educate, making them learning organizations that provide real, relevant and engaging opportunities for students to learn...

Employers indicate that graduates entering the workforce need the skills of **Deeper Learning** -- finely honed communication skills, the ability to work in teams and collaborate, the knowledge to think critically, the drive to be an innovative learner and the impetus to work with self-direction and initiative.”

# A Glimpse Inside: Student Perspectives

*“It really, actually changed my life.”*



High school students reflect on their experience of project based learning and describe how they not only learned a great deal of content, but also practiced the 21st century skills needed for personal and workplace success. [Time: 4:00]

# Why New Tech Network

- Infrastructure and system already in place
- Nationwide with over a hundred schools participating
- One-to-one technology
- Opportunity to best prepare our students for college and the workplace
- Five years of Professional Development (starting summer 2013) and Support provided by the organization





**THANK YOU FOR YOUR  
ATTENTION!**



# References

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