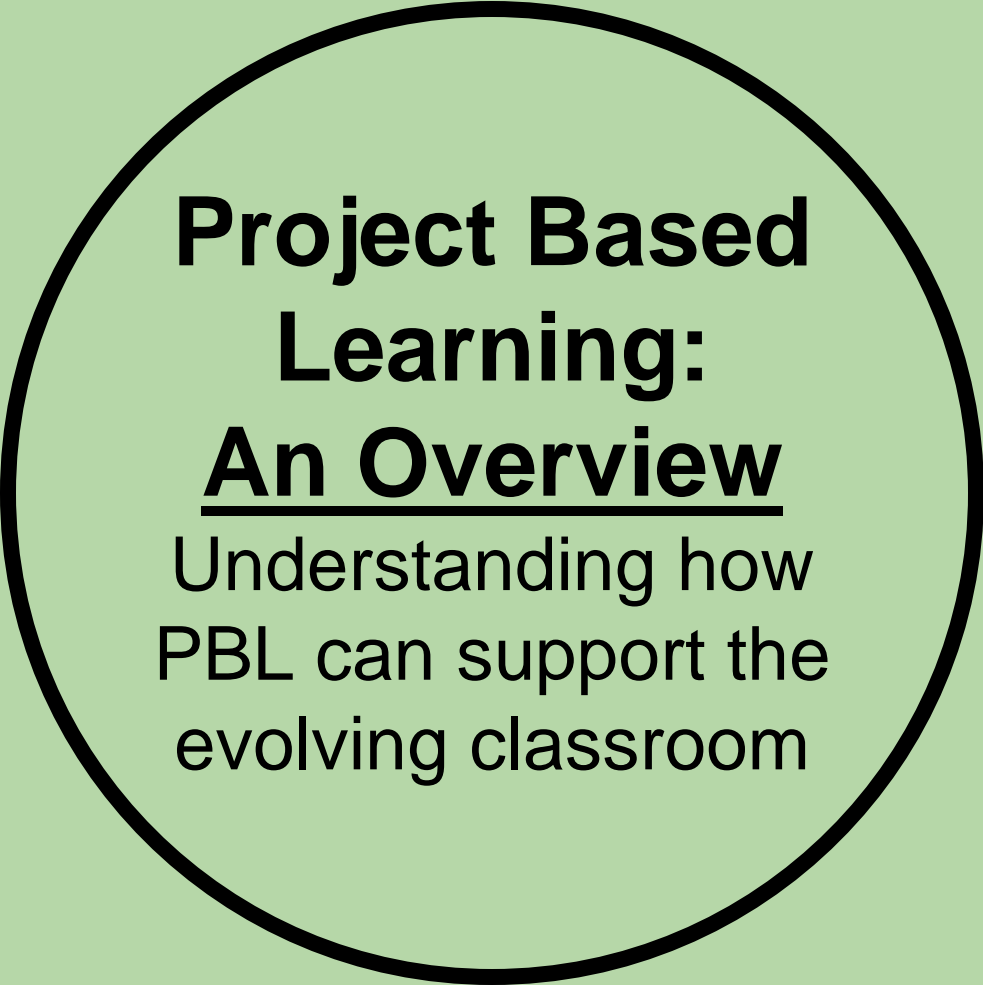


Board Presentation: Project Based Learning

May 11th, 2016

Christy P. Novack, Access, Equity & Innovation Specialist
Seva Steel, STEM Science Coordinator



Project Based Learning: An Overview

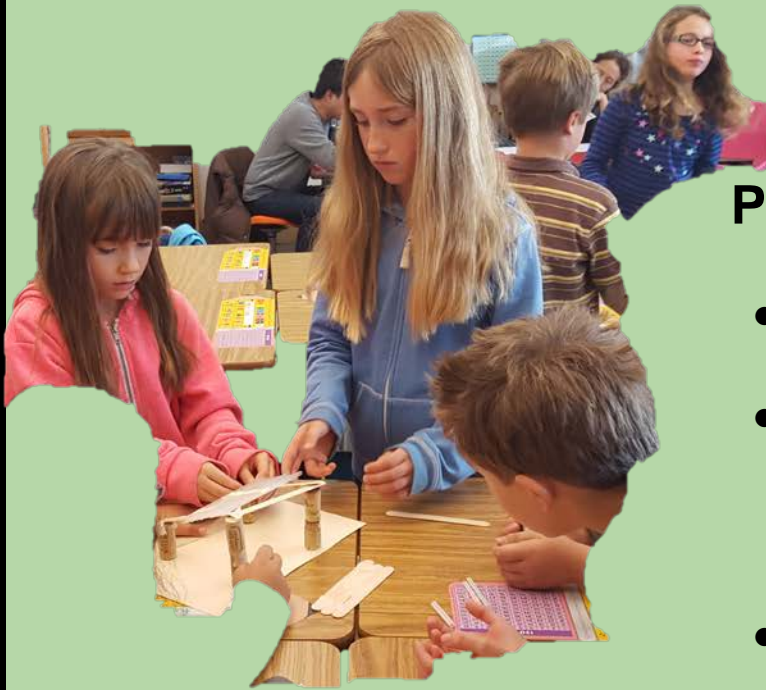
Understanding how
PBL can support the
evolving classroom

Project Based Learning is...

“A teaching method in which students gain knowledge and skills by working for an extended period of time to investigate and respond to an engaging and complex question, problem, or challenge.”

-The Buck Institute

Evolution of Learning: Why PBL Now?



Reference:

http://bie.org/about/why_pbl

Project Based Learning...

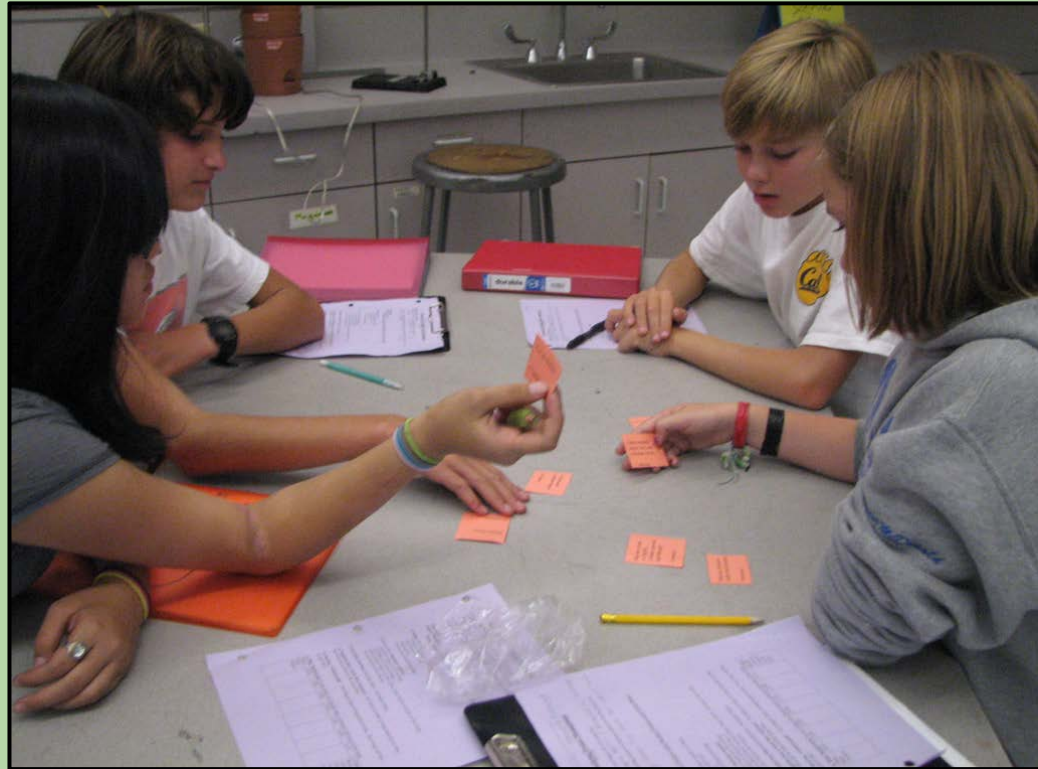
- Highly engaging for students
- Incorporates 21st century skills into grade-level standards
- Gives students meaningful real world connections
- Highly rewarding for students, teachers, and community members.

The 8 Essential Components of PBL



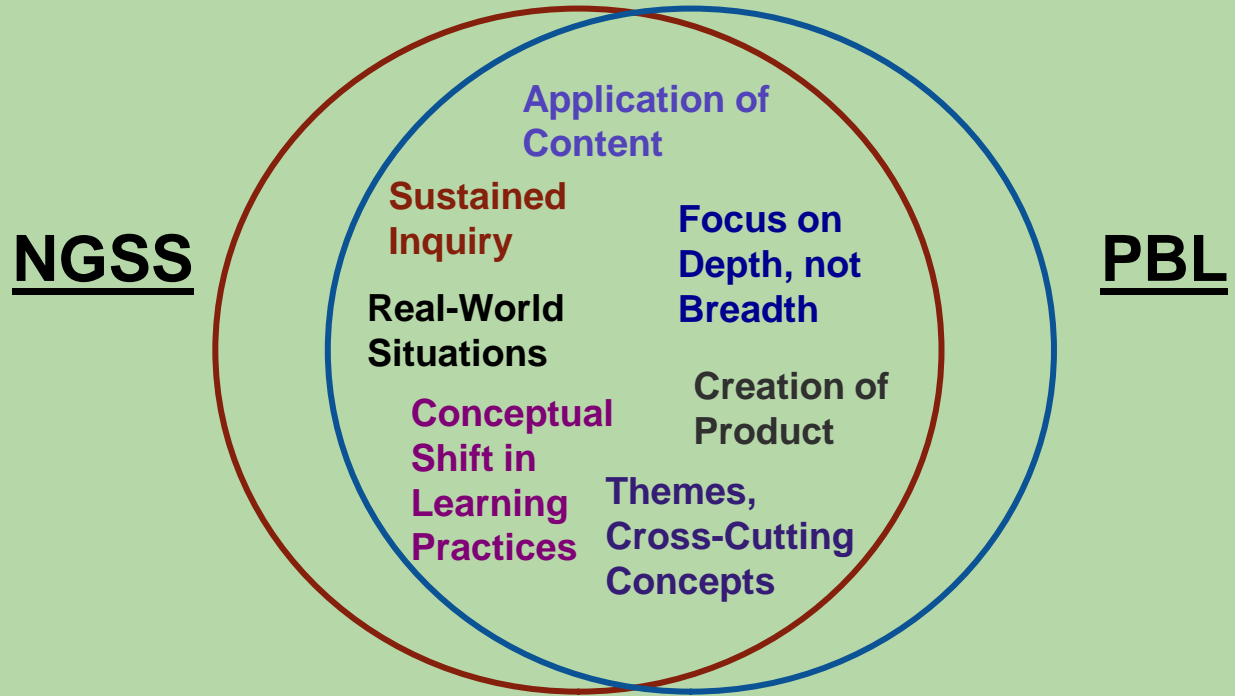
- ⊙ Driving Question/Challenge
- ⊙ Need To Know
- ⊙ Inquiry/Innovation
- ⊙ 21st century skills
- ⊙ Student Choice & Voice
- ⊙ Feedback and Revision
- ⊙ Public Product
- ⊙ Key Knowledge and Skills

Project Based Learning In Action



[Edutopia: An Introduction to Project Based Learning](#)

**PBL and
NGSS:
A Match
Made in
Learning
Heaven**



**PBL and
Defined
STEM
Curriculum:
An
Overview**

Purpose:

To support K-8th grade teachers with supplemental curriculum for continuation of NGSS transition.

[Defined STEM Home Page](#)

Introduction videos: bottom of page

[Project Based Learning](#)

Overview

[Understanding by Design and Project Based Learning](#)

Break Down of A Module

PBL in PSD

- **2014:** Principals and teachers attend Buck Institute: Intro to PBL
- **2014-2015:** Teachers attend San Mateo County Office PBL Core workshop
- **2015-2016:** Defined STEM with Middle School Science Teachers
- **2016-2017:** PBL & NGSS for 6-8th grade teachers. Defined STEM continued and expanded to interested K-5 and other content area teachers



Questions?

Thank you!