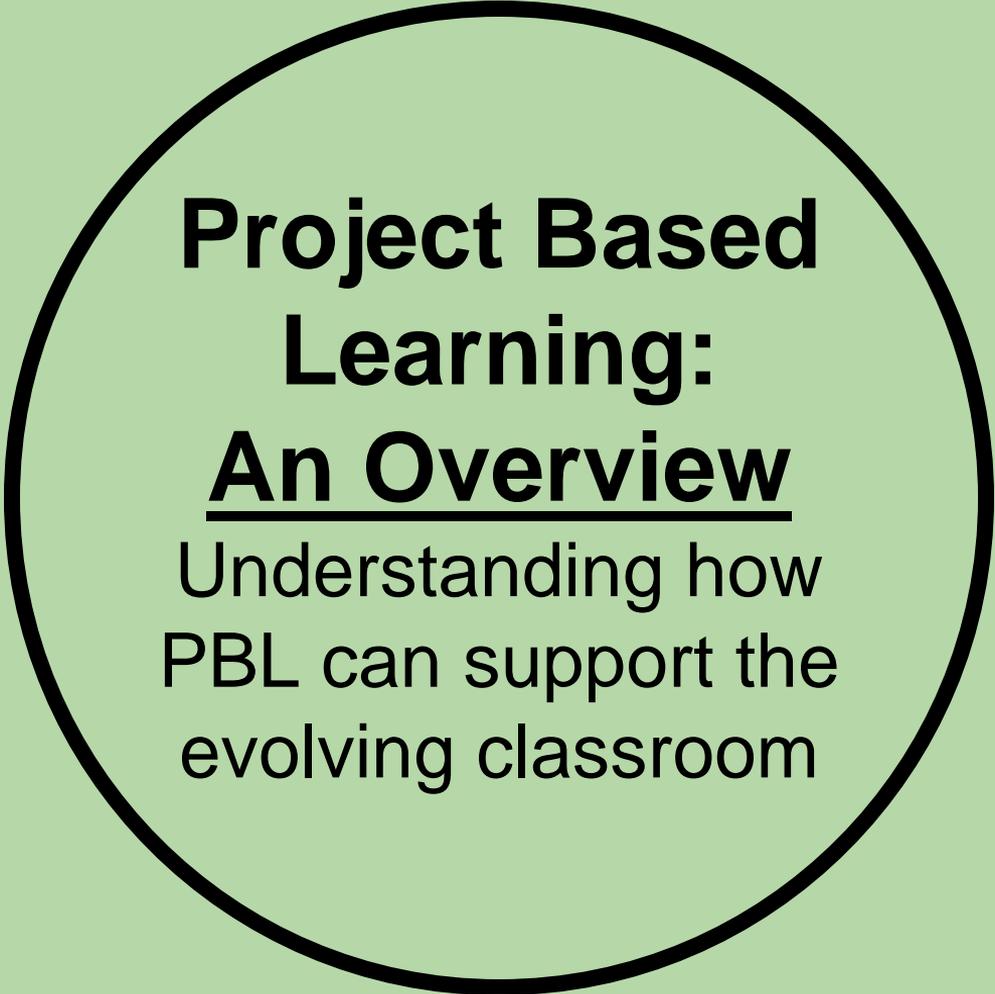


# Board Presentation: Project Based Learning

May 11th, 2016

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



**Project Based  
Learning:  
An Overview**

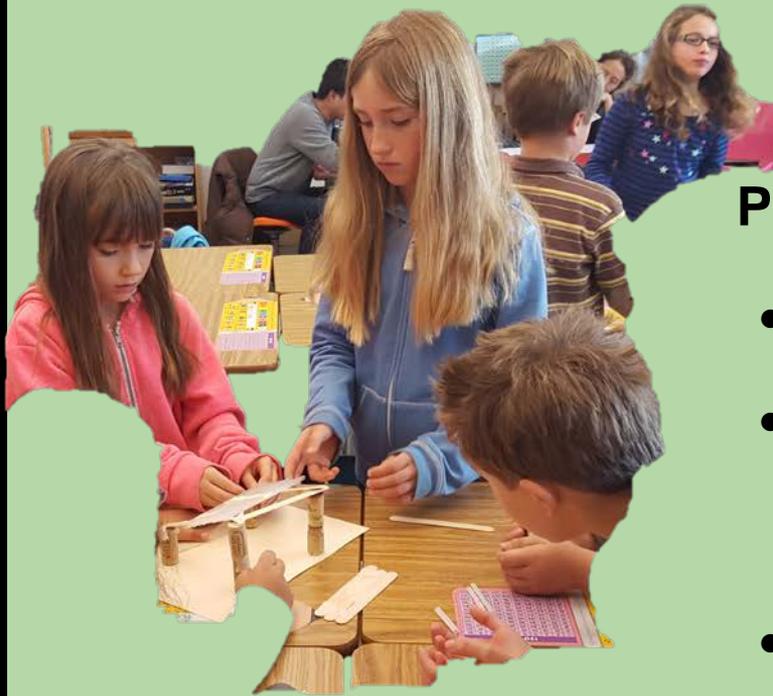
Understanding how  
PBL can support the  
evolving classroom

# 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?



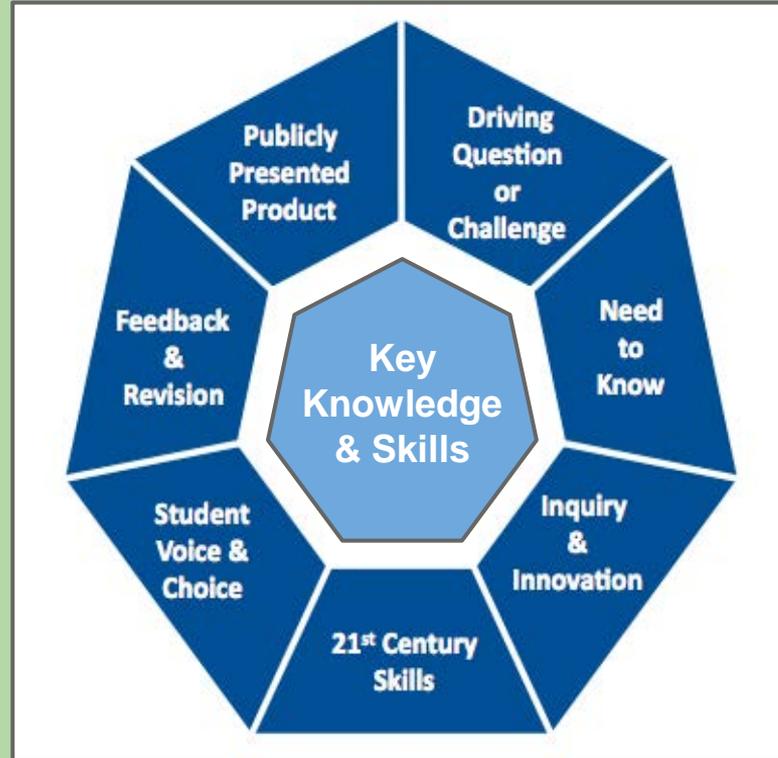
## Project Based Learning...

- 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.

Reference:

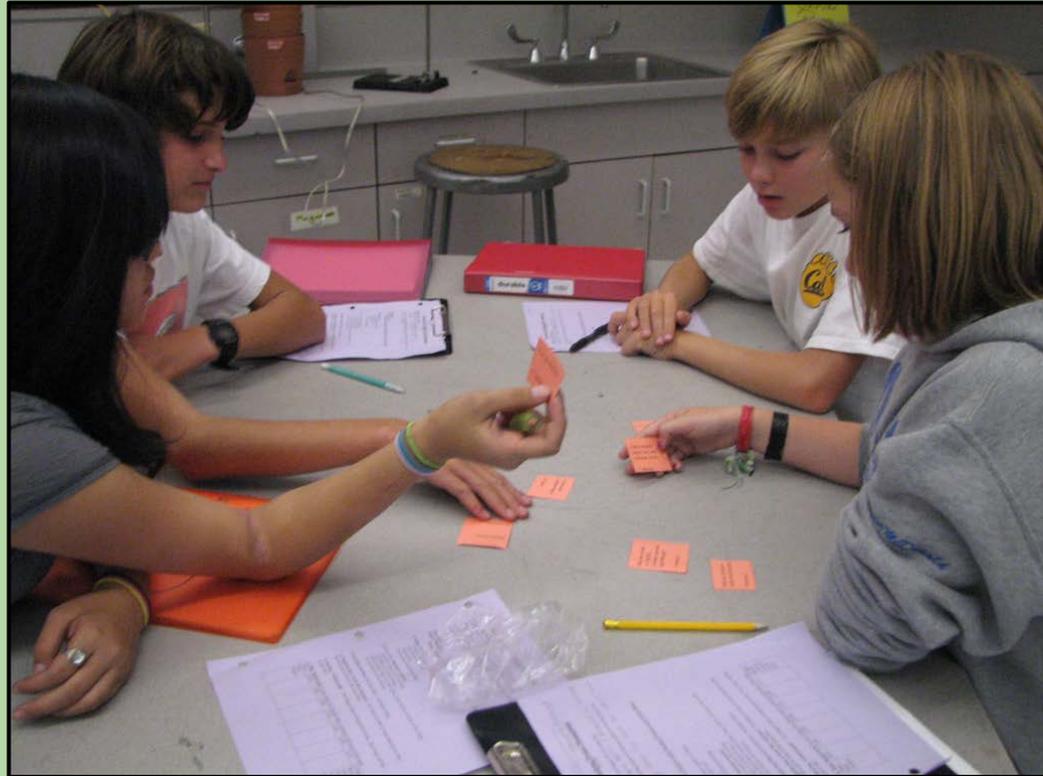
[http://bie.org/about/why\\_pbl](http://bie.org/about/why_pbl)

# 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**

**NGSS**



**PBL**

**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 6-8<sup>th</sup> grade teachers. Defined STEM continued and expanded to interested K-5 and other content area teachers



# Questions?

Thank you!