
The Secrets behind effective PBL

From PBL experts

What are the **SECRETS** to effective PBL design?
What **IMPACT** does it have on student learning?



Agenda

- o PBL Video- Brief intro. to PBL
- o Meet the Panelists
- o Panelist Brief Project Presentations
- o Moderator Questions
- o Audience Q & A



Q & A

The SLIDO APP:

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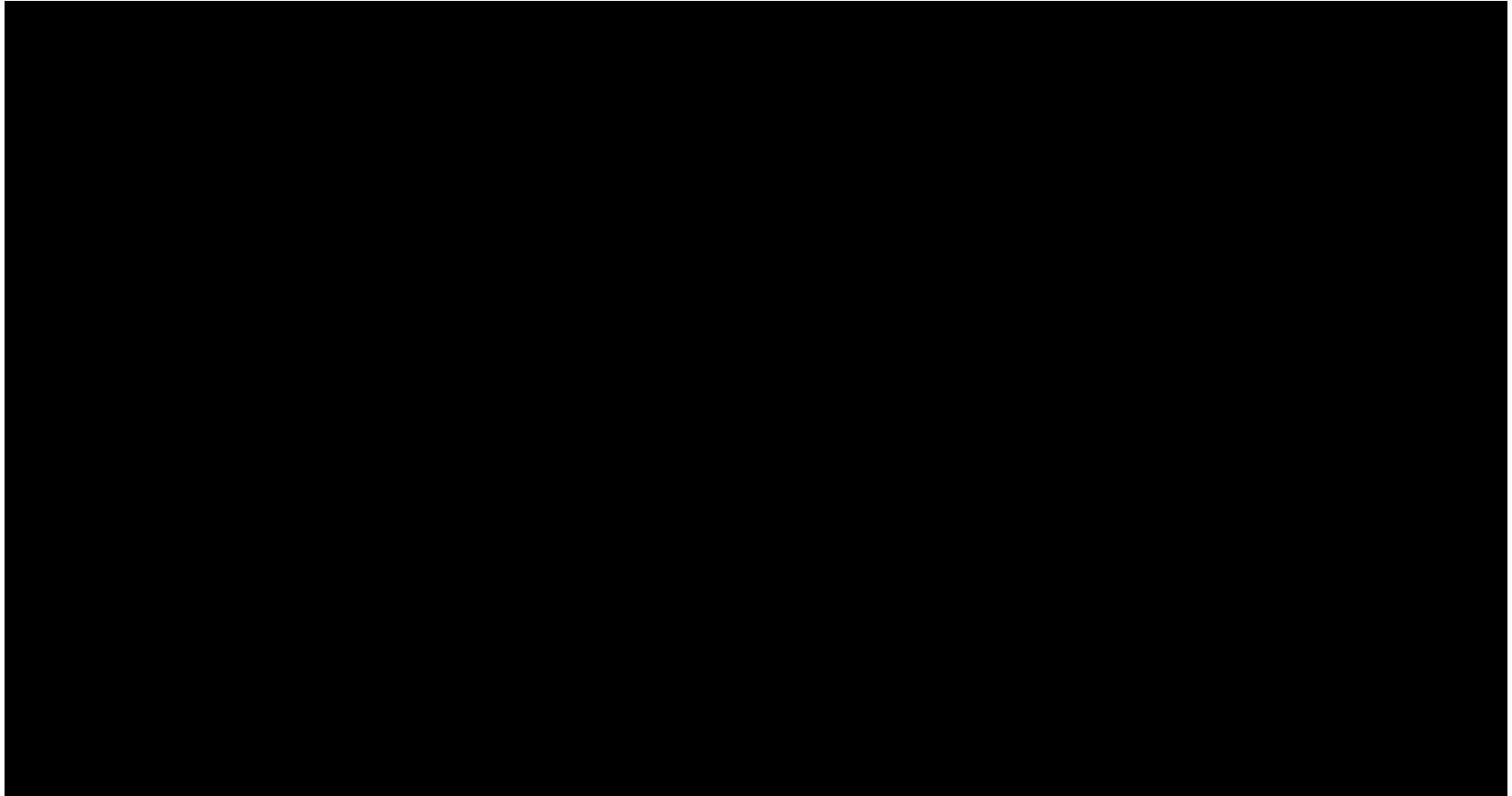
What's your experience with Project- Based Learning?

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URBAN DISCOVERY ACADEMY PBL VIDEO

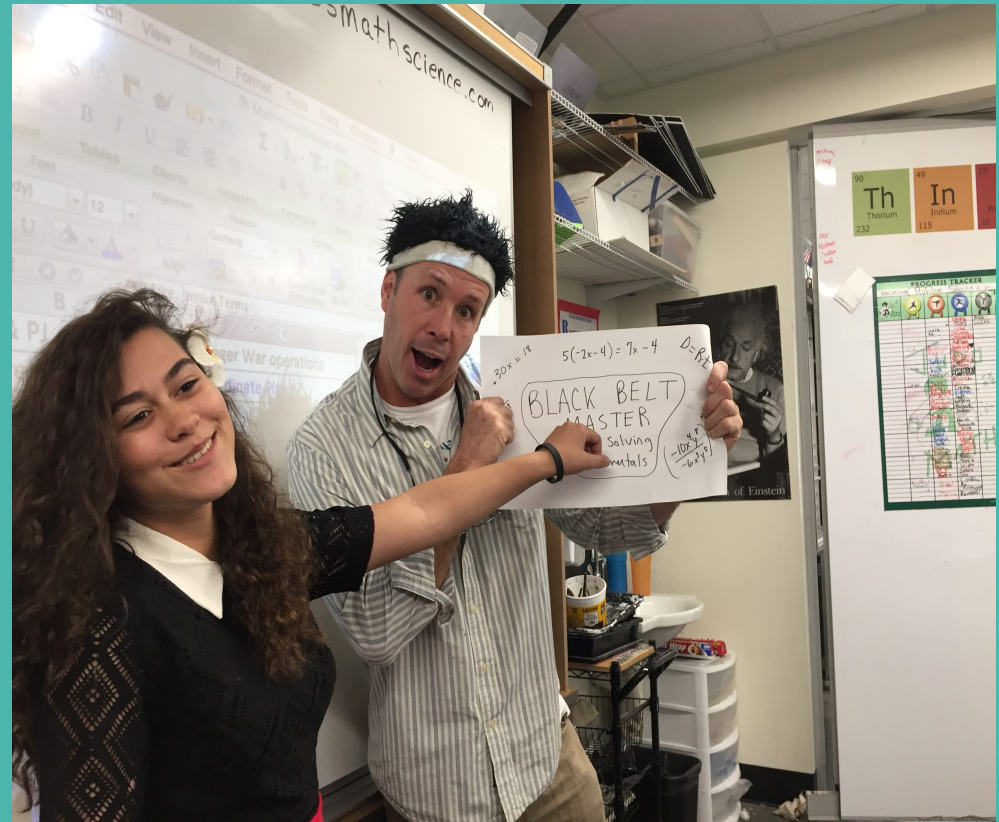


Meet our panelists!



Jamie Holmes

8th Grade Math/Science
High Tech Middle Chula Vista



Tina Chavez

High Tech High North County,
Humanities



Rodrigo Arancibia

SUHSD Expanded Learning
Programs Lead



Kyle Wagner

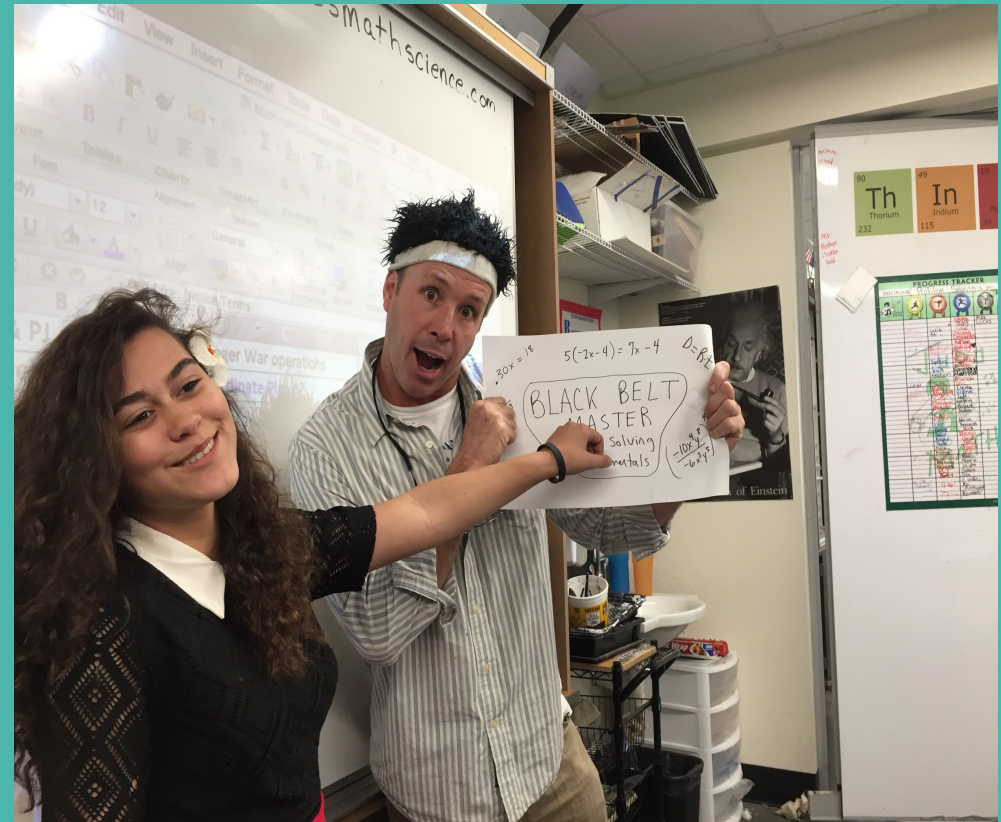
PBL Consultant

Transform Educational Consulting
10 years of PBL experience



Jamie Holmes

8th Grade Math/Science Teacher,
High Tech Middle Chula Vista



Judo Math Sensei
Building Math Confidence & Competence

MathMonics

What is MathMonics? Teaching How to Learn

What's the Purpose? Point: Boring into Fun...

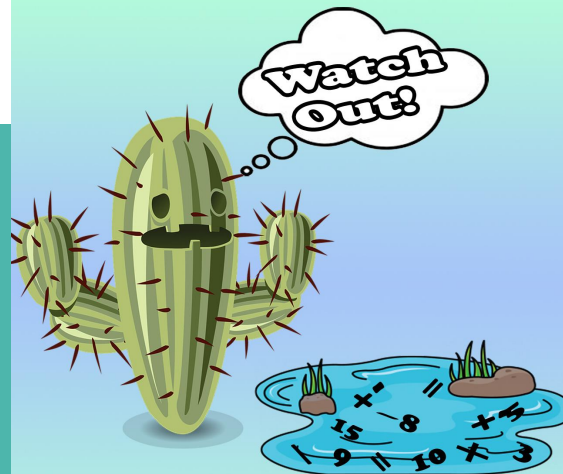
What does that teach students? It's more than Math



Students Innvoate, Create & Engage in Learning

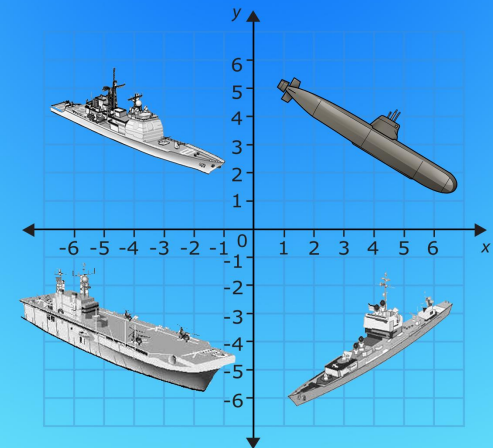
Making Math
learning Fun
Integrating
Creativity
Collaborative
Work
Entrepreneurial in
Spirit

Negative Numbers



It's A Prickly Situation

BATTLESHIP MATH



Plane Out Your Attack

What is Innovation?

How can we improve, reiterate?

Products:

1. MathMonic Poster
2. Mathtivity
3. Website Overview



What did students create? Learn?

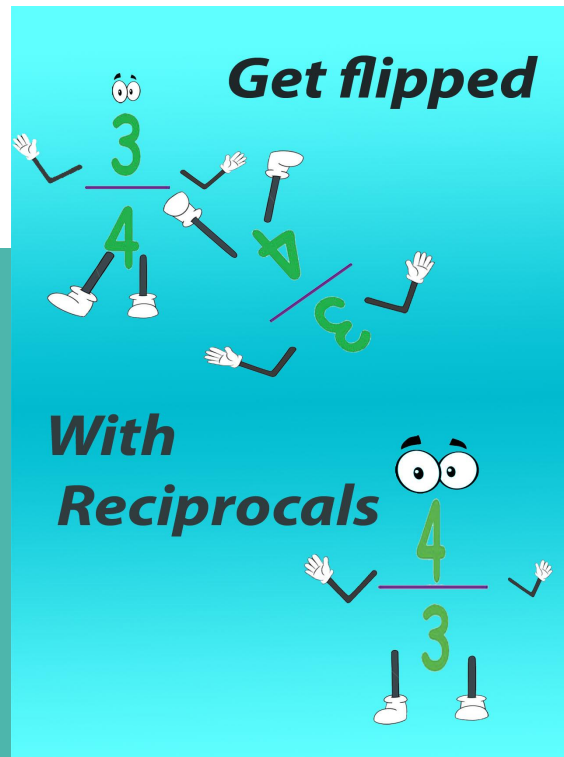
- Built Something, Created a New Product
- Deepened Math Understanding Through Generation & Connection of Activity & Poster
- To Teach is to Learn
- Planted the Seed of Innovation
- Promote Producing Academic Learning as Opposed to Consuming it.



Greatest challenge? Overcame challenge?

Challenges

- Teaching Photoshop
- Stimulating & Cultivating Creative Ideas



Solutions:

- Video Tutorials
- Peer Critique
- Exemplary Models of Graphic Arts
- Gallery Walks
- Expert & Teacher Consultancy
- Protocols

Tina Chavez

High Tech High North County,
Humanities



Real to Reel Intersession



“Reality TV with more blue tape and less drama!”

What was the inspiration behind the project?

Culture building
Professional video
products
Played off of
students' passions-
cooking, music,
sports, etc.



One week of creating their own reality episode

**Day One:
Chopped**



**Day Two:
America's Got
Talent**

**Day Three:
Project Runway**

**Day Four:
Survivor**



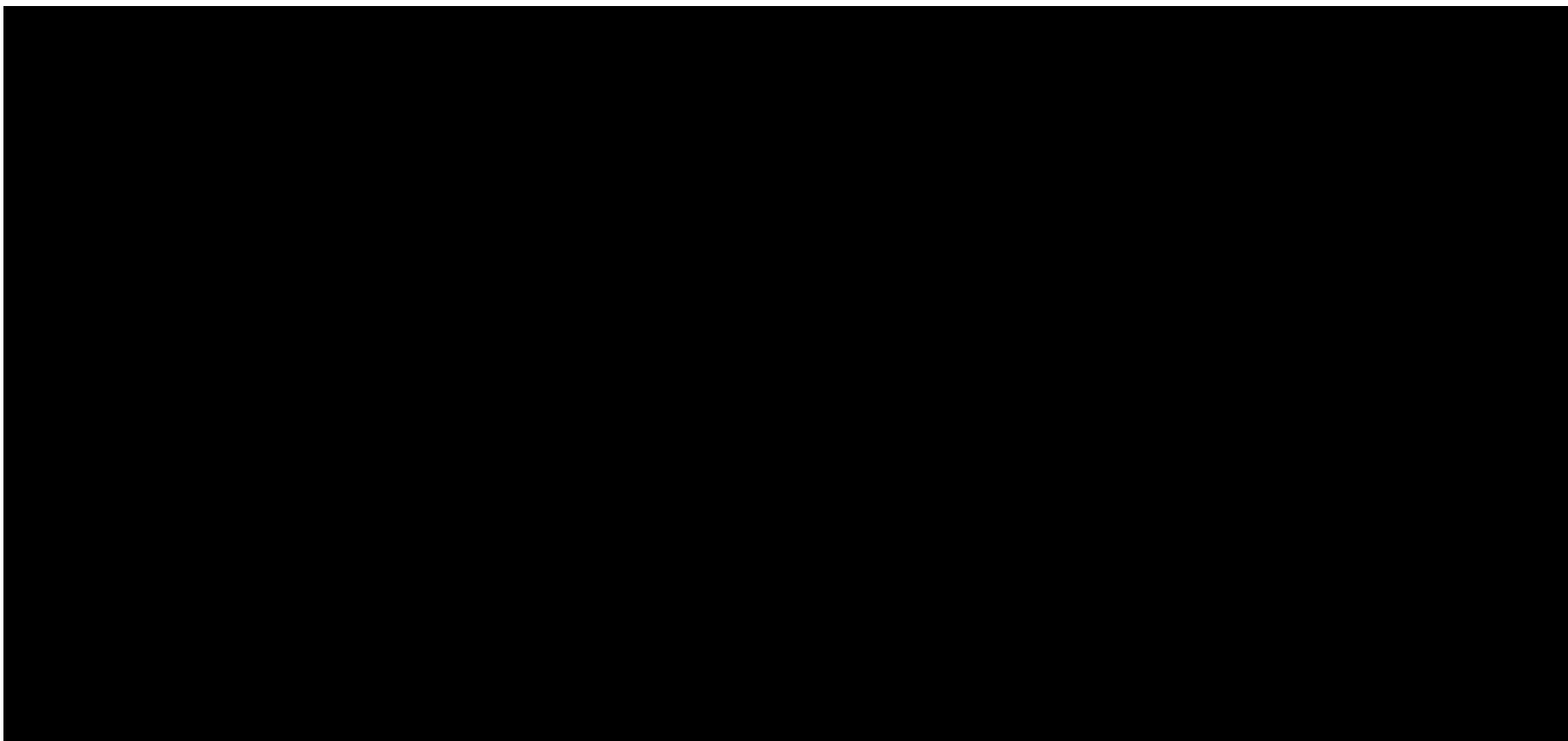
**Day 5:
Make and
air the
video**



Greatest Challenge: Management and Finding Experts

- 80 students and 3 teachers and constant activity
- Shirts and grouping
- Each teacher took lead on one day
- Clear expectations with independence
- Exhibition of some kind at the end of each day

- Needed outside experts to give the reality and professional feel
 - Tapped into parents, local colleges and cold calling people at first to volunteer their time



“Real to Reel”

Rodrigo Arancibia

SUHSD Expanded Learning
Programs Lead



What is your hall of fame project?



What was the inspiration behind the project?



Driving Question:



What did students create? Learn?



Greatest challenge? Overcame challenge?



Q & A

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WHERE CAN I LEARN MORE?



THE PBL MASTER CLASS

When: 2:15-3:30 pm

Where:

What you will learn: How to design your own PBL experience

Who is It For: Coordinators, Instructors, Site Leads, Teachers

Remember to wear your button!



