## Three Tiered Teaching

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## y <br> @askmrsmartinez \#zeroSD17

Zeroing In on Intermediate Algebra/Integrated Math III: A Problem Solving Symposium

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Kearny High School
PPT: https://goo.gl/v48jFJ

## Scenario:

"It's the 2nd week of school and you've given an assessment to gauge student strengths and weaknesses. The results are in. Data shows students have weaknesses in varied topics. You want to move on, but also want to shore up problem areas you've identified."

What would you do?

## Summer of 2012



Shea Phillips
Fellow Noyce-r
Preuss Teacher
Co-conspirator
Pi day Enthusiast

How can we adapt the powerful idea of "flipping" the classroom to meet a population of students who do not
have access to technology at home?

How do we differentiate our teaching to meet the needs of ALL students?


## TTT in a nutshell

## What does it look like?

Warm-Up Activity or Guiding Question
Tier 1, 2, 3
Exit Slip or Discussion on Guiding Question


| Daily <br> Agenda | Title and/or <br> Requirements | Score |
| :---: | :---: | :---: |
| Tier 1 |  |  |
| Tier 2 |  |  |
| Tier 3 |  |  |
| Homework |  |  |





## Prix Fixe Menu vs. Buffet



Three course plated meal:
Appetizer, Entrée, Dessert


Cornucopia of bite sized treats from all genres on ONE table.

## \#RinseAndRepeat



## Warmup Notes <br> Classwork Homework

- Three course plated meal:

Appetizer, Entrée, Dessert

## \#SeizeTheDay

- Learning in the "order" of student's choice, not teachers.
- Forces the clock on student!
- Opportunities for every student to be the math HERO!
- Teacher = Facilitator = Obi-Wan
- Student = Math Warrior = Jedi

- Pre-Assessments leading to $4^{\text {th }}$ Dimension.

Cornucopia of bite sized treats from all genres on ONE table.

## Stuff that Kids say....

"What I liked about the Three Tiered Teaching is that we get to watch videos our teacher makes and move around. Last year, I would have to ask to go to the bathroom just to relax and move my legs around. Sitting for an hour and a half really quenched up my muscles. Now i have a chance to move around and not miss anything important."

## Stuff that Kids say....

"Out of all the math classes I've had in the past, and now having a Three Tiered Teaching, $i$ like how we have the decision on how fast we can work. sometimes understand somethings better than others. but i get to choose how much time i want to dedicate to it. i also like how we can work with people we like, and its a tough choice too, because we have to choose wisely so we stay focused. i also like how you have more time to answer our questions because everyone is doing there own thing, and you have more free time."

## Doh! Learn from my mistakes.

- Environment matters. Make kids move!
- Accountability. Every station should have some sort of "product"
- Feedback. Hints, partial keys, steps, teacher check ins, timing reminders
- Balance procedure practice with critical thinking, application opportunities
- Technology is your friend, but not mandatory
- Group size. Once groups get to a station, keep size 2 - 5 students.



## But will it work everywhere?

| School Site |  |
| :--- | :--- |
| Preuss School UCSD | Charter School, 15 computers in classroom, 90 <br> minute blocks, Class size range $25-33$, UCSD <br> tutors occasionally. |
| Lincoln High School | Summer School, 6 weeks in computer lab, 4 hour <br> day Mon - Fri., 20 students, 2 tutors. |
| San Ysidro High School | Traditional High School, no computers in the <br> classroom, only $9^{\text {th }}$ graders have iPads, Wi-Fi is <br> stupid, 2 hour block schedule, class size range <br> from $23-41$, no additional staff. |

## Questions/Comments



Want to know more?
http://mrsmartinezsportfolio.weebly.com/
"The first week was pretty much a car on fire, on a train being pulled by a donkey that didn't want to walk"

- Me August 2012

> Try something new once or twice, or for a whole chapter! Sit back and enjoy the ride, as your students take the wheel of their own learning! ©

Folder with ppt and 4th Dimension: https://goo.gl/62DmbF

