

Secondary Mathematics Curriculum Materials Update

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2013 – 2014

Established grade level teams

Reviewed 8th grade curriculum materials

Introduce 8 Math Practices to all schools

2014-2015

Pilot Math Links for 8th grade

Pilot envision for Middle School 6th grade (later adopted)

Reviewed other curriculum materials for 7th grade – Algebra 2

Selected two curriculums for each grade level to pilot during '15-'16

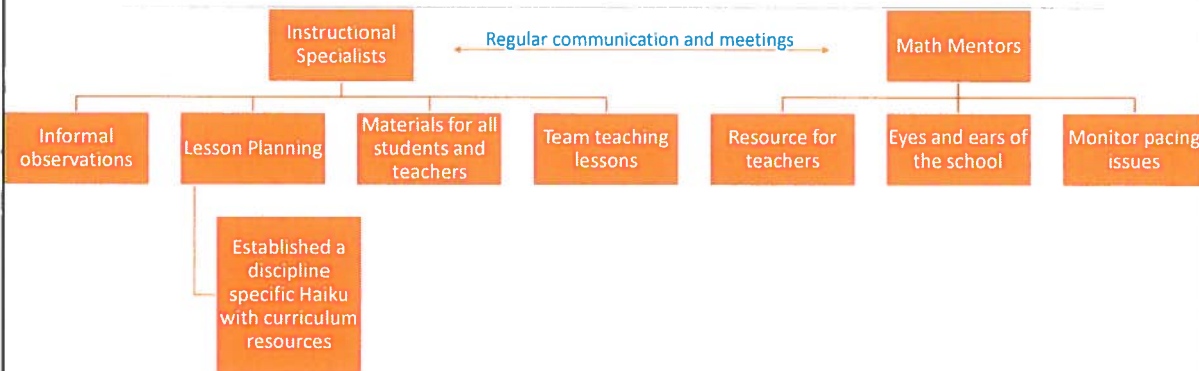
2015 - 2016 Pilot Programs by School

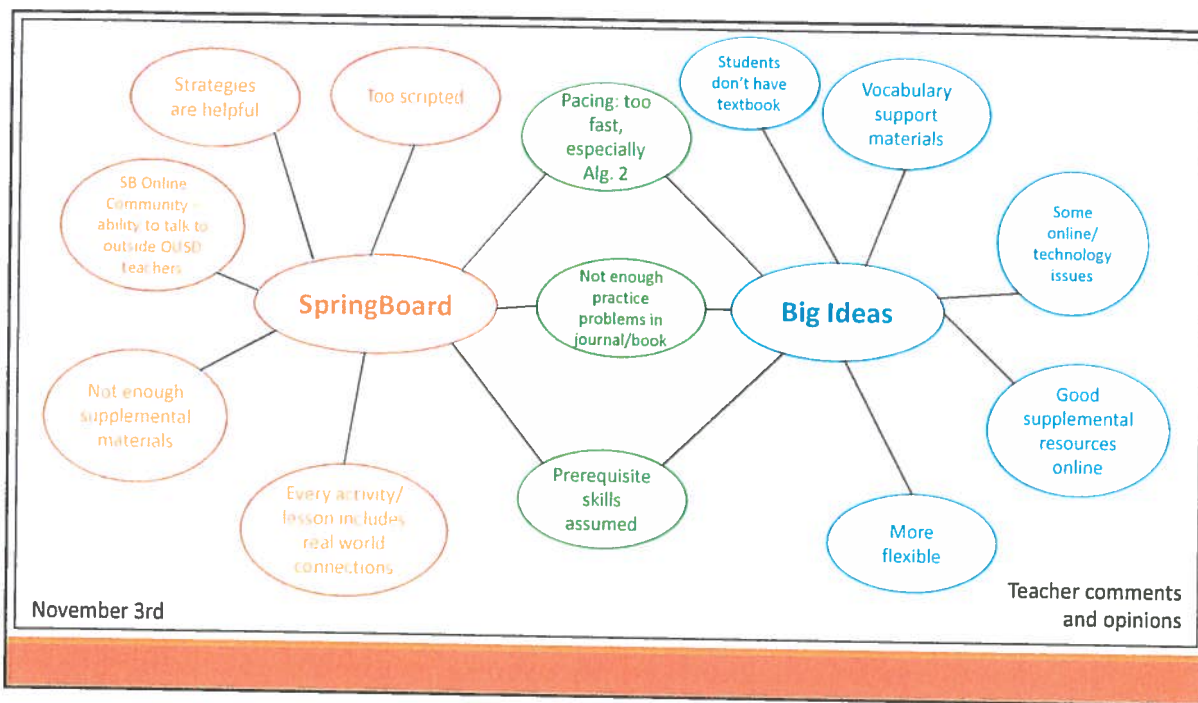
	Cerro Villa	McPherson	Portola	Yorba	Canyon HS	CDS	El Modena HS	Orange HS	Richland HS	Villa Park HS
7th	Big Ideas	Digits	Big Ideas	Digits		Big Ideas				
7th Accelerated	Big Ideas	Digits	Big Ideas	Digits						
8th	Math Links	Digits	Math Links	Digits		Big Ideas				
8th Algebra	Big Ideas	Big Ideas	Big Ideas	Big Ideas						
Algebra 1					SpringBoard	Big Ideas	SpringBoard	Big Ideas	Big Ideas	Big Ideas
Geometry					SpringBoard	Big Ideas	SpringBoard	Big Ideas		Big Ideas
Algebra 2					SpringBoard	Big Ideas	SpringBoard	Big Ideas		Big Ideas

2015-2016




August – Present





Next Steps


- Formalized survey to teachers before Winter Break
- Video lessons to be posted on Haiku for all teachers to see
- Organize a walk-through for teachers to see different curriculum
- Revisit Traditional versus Integrated high school curriculum
- Start the decision making process for adoption



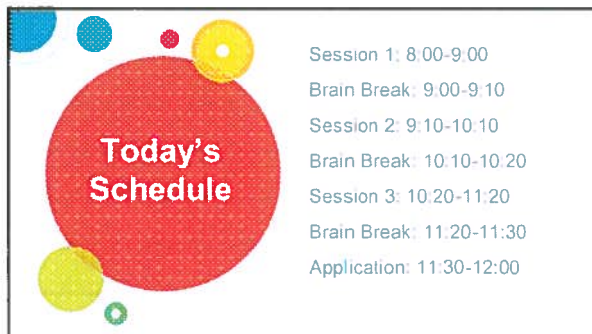
TPACK, SAMR
& Technology in
the Classroom

The graphic features the title in a clean, sans-serif font. It is surrounded by several colorful, semi-transparent circles in shades of blue, green, yellow, and red. The background is white.

Wilgen Moore!
Coordinator: 21st Century Innovation & Local Assessments
Former Teacher: high school & middle school
Former Technology Coach
Google Educator & Certified Trainer
Leading Edge Certified
CUE Outstanding Emerging Teacher (2015)
@MrsVanWilgen
NVanWilgenMoore@orangeusd.org



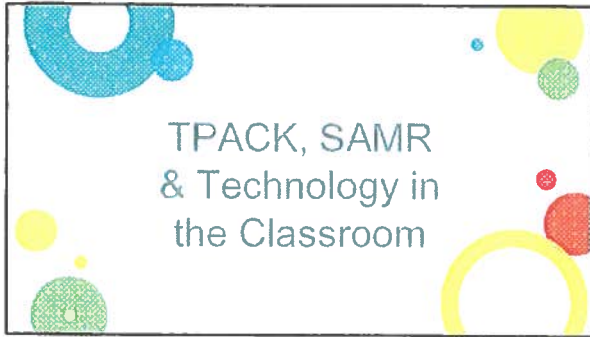
The block contains a list of credentials and contact information for Wilgen Moore. At the bottom left, there are logos for 'Orange Unified School District' and 'CUE'. At the bottom right, there is a small cartoon character of a girl with glasses and a pink shirt.

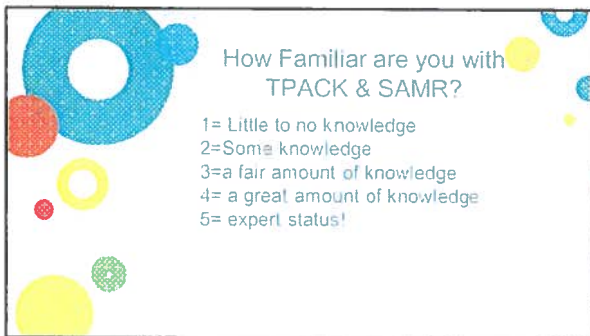


**Today's
Schedule**

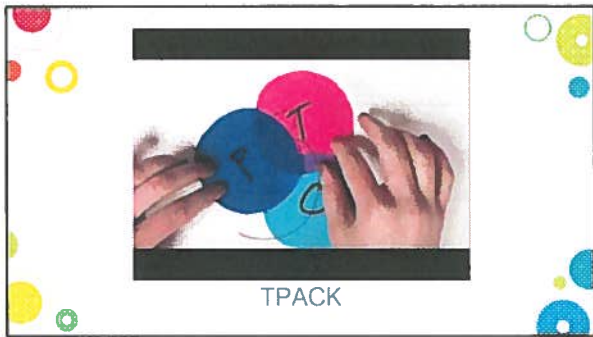
Session 1: 8:00-9:00
Brain Break: 9:00-9:10
Session 2: 9:10-10:10
Brain Break: 10:10-10:20
Session 3: 10:20-11:20
Brain Break: 11:20-11:30
Application: 11:30-12:00

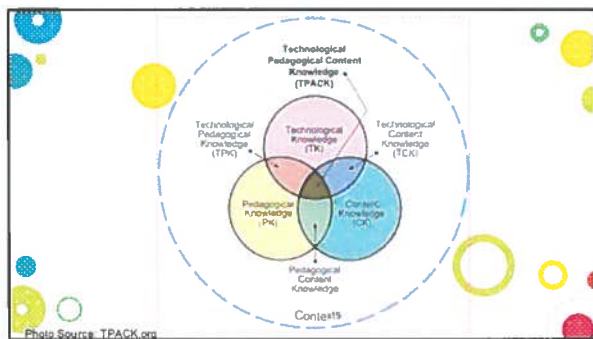
The graphic features a large red circle with the text 'Today's Schedule' inside. To the right of the circle is a list of the day's sessions and breaks. The background is white with several smaller colorful circles.

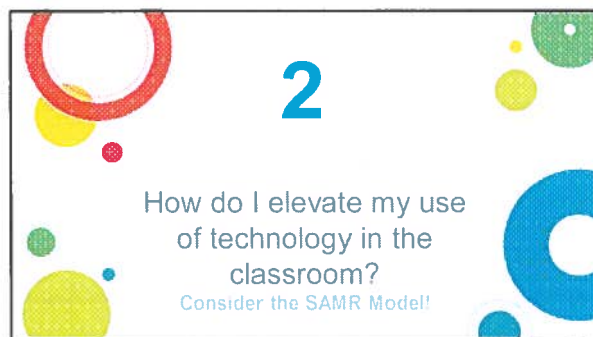


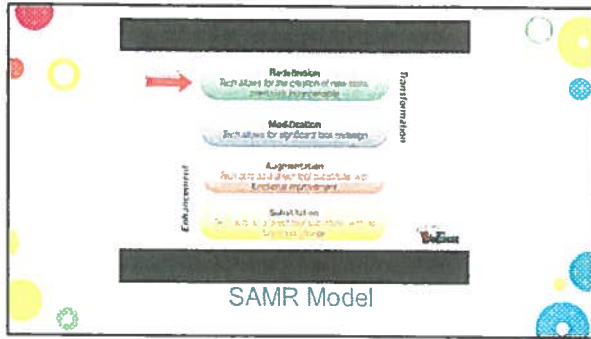












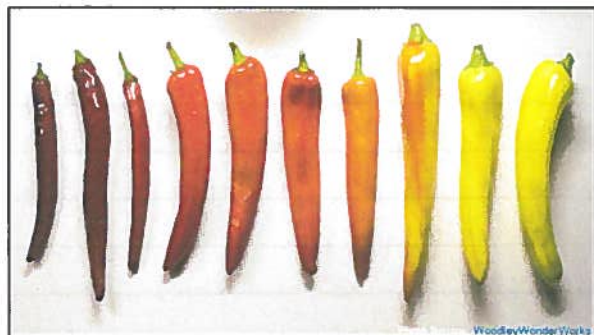
Let's Hear From You...

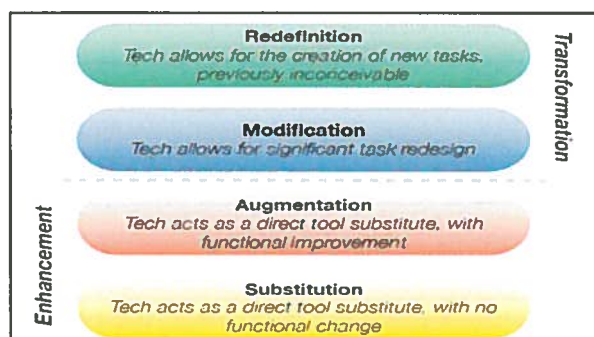
Go to Socrative.com
 Click on "Student Login"
 Enter the Room Code
69859C9C

Complete the questions as they are sent to you

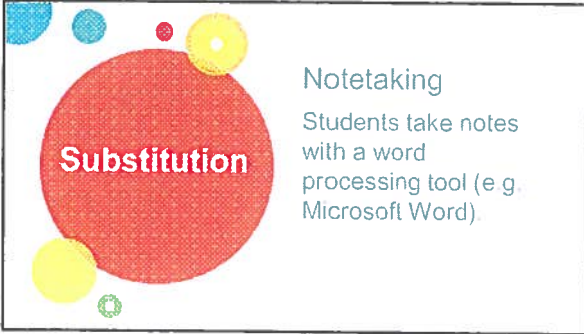
Thank you!





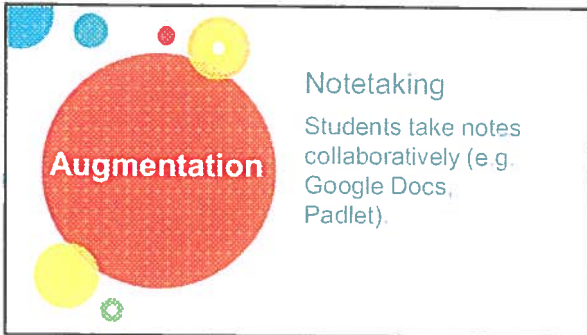






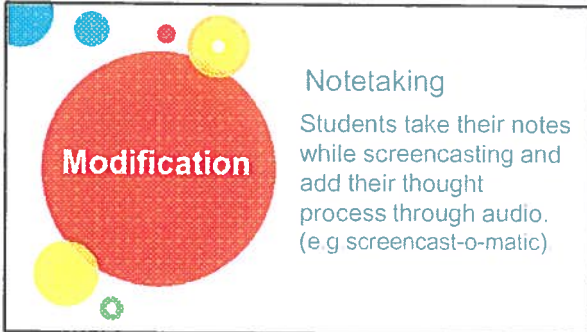
Substitution

Notetaking
Students take notes with a word processing tool (e.g. Microsoft Word).



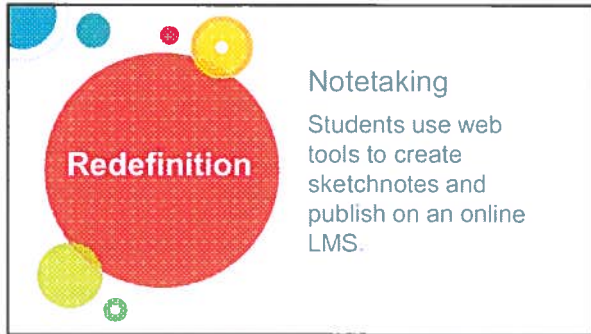
Augmentation

Notetaking
Students take notes collaboratively (e.g. Google Docs, Padlet).



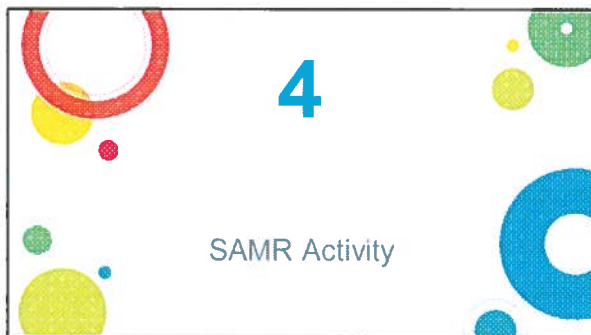
Modification

Notetaking
Students take their notes while screencasting and add their thought process through audio. (e.g. screencast-o-matic)



Redefinition

Notetaking
Students use web tools to create sketchnotes and publish on an online LMS.



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SAMR Activity

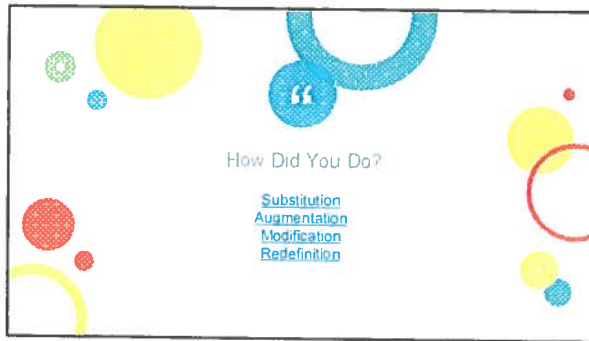


Find a Group of 3!

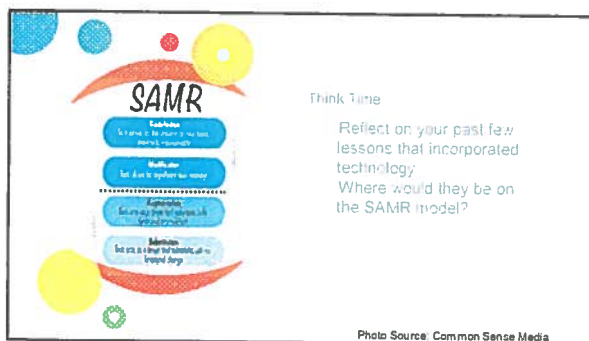
S-A-M-R

- Review the learning activities on each card
- Determine the SAMR level of each activity.

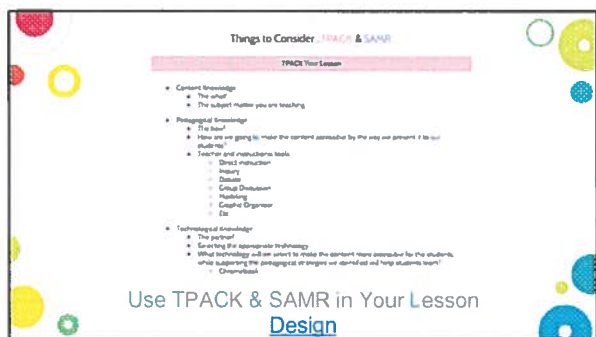
Photo Source: Yandje



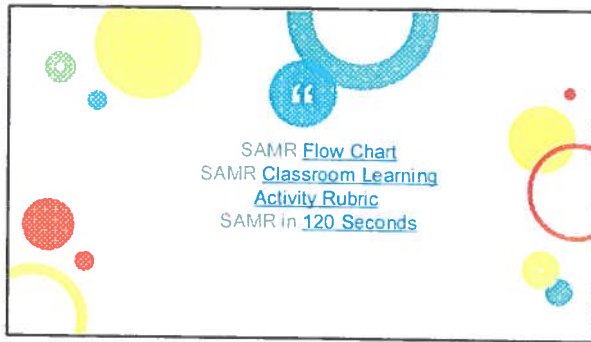


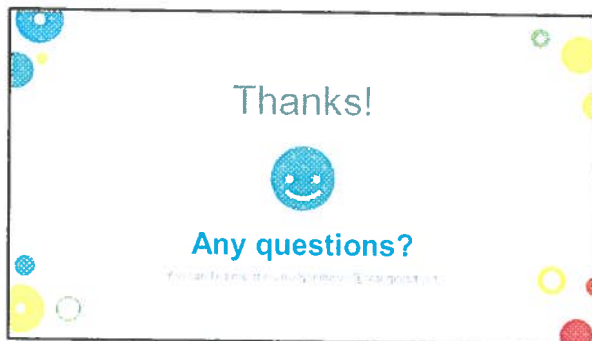


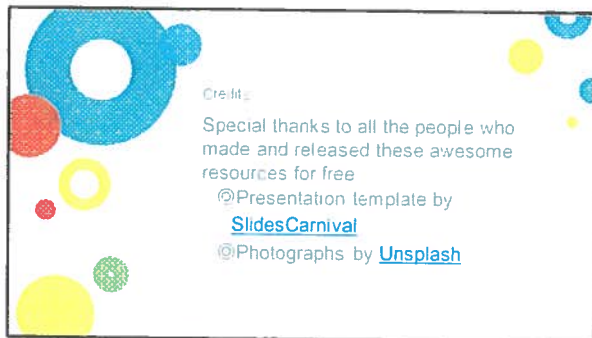


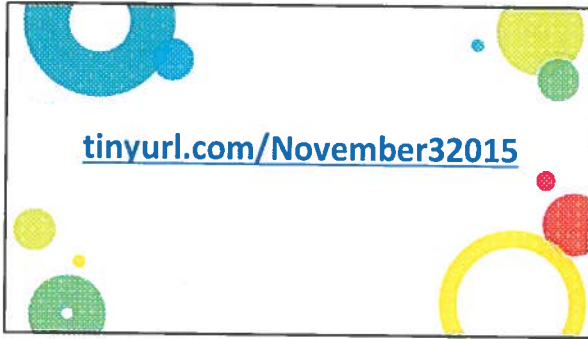


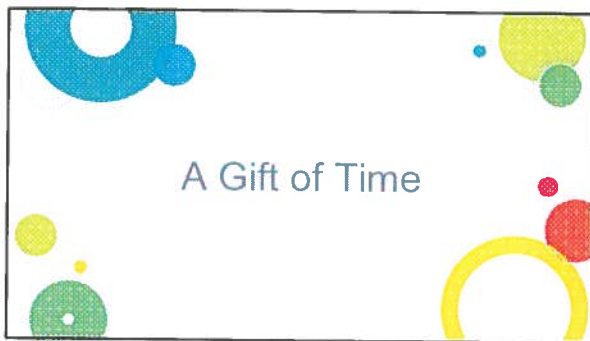


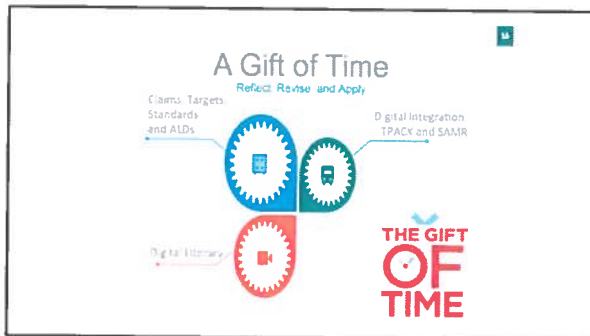












Things to Consider...TPACK & SAMR

TPACK Your Lesson

- Content Knowledge
 - The what!
 - The subject matter you are teaching.
- Pedagogical Knowledge
 - The how!
 - How are we going to make the content accessible by the way we present it to our students?
 - Teacher and instructional tools.
 - Direct instruction
 - Inquiry
 - Debate
 - Group Discussion
 - Modeling
 - Graphic Organizer
 - Etc.
- Technological Knowledge
 - The partner!
 - Selecting the appropriate technology.
 - What technology will we select to make the content more accessible for the students, while supporting the pedagogical strategies we identified will help students learn?
 - Chromebook
 - Google Drive
 - Videos
 - Etc.
- “A” The Sweet Spot
 - Do all three knowledge areas work together?
 - What else do you need to add to make this accessible and applicable to your students?

SAMR Your Lesson

Substitution: What would substitution look like in this lesson?

Augmentation: What would augmentation look like in this lesson?

Modification: What would modification look like in this lesson?

Redefinition: What would redefinition look like in this lesson?

What SAMR level is appropriate for the students in this lesson?