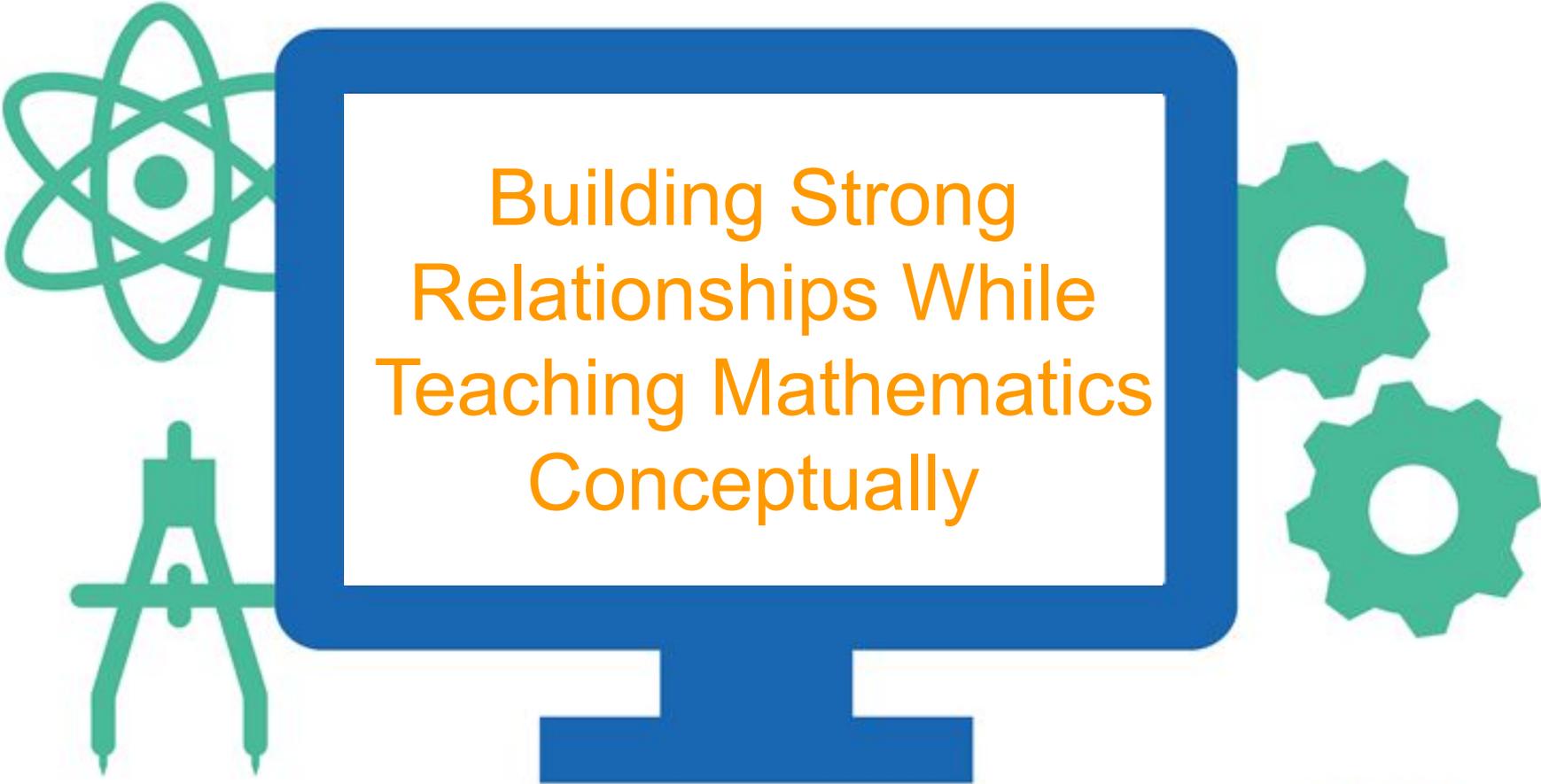


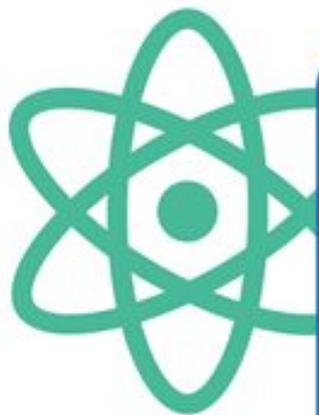
RLC

Remote Learning Chats





Building Strong Relationships While Teaching Mathematics Conceptually



Dr. Karla Cwetna, Mathematics Teacher, Fulton Virtual School





KarlaGCwetna@gmail.com

Effective Teaching Practices

Effective Teaching and Learning	7
Establish Mathematics Goals to Focus Learning.....	12
Implement Tasks That Promote Reasoning and Problem Solving.....	17
Use and Connect Mathematical Representations.....	24
Facilitate Meaningful Mathematical Discourse	29
Pose Purposeful Questions.....	35
Build Procedural Fluency from Conceptual Understanding	42
Support Productive Struggle in Learning Mathematics	48
Elicit and Use Evidence of Student Thinking	53

tinyurl.com/PTAebook

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Pedagogy doesn't change
even when the delivery
mechanism has.

Terminology

- LMS - Learning Management System
- SIS - Student Information System
- Asynchronous
- Synchronous
- Offline

**FIRST
THINGS
FIRST**

My Goal for Today:

- To share resources, best practices, and tips for building relationships with students in the virtual learning environment while emphasizing the importance of teaching mathematics conceptually.

**HOW YOU
INTERACT WITH
YOUR STUDENTS
MATTERS!**

Huh?!



BEFORE

FIRST WEEKS

THROUGHOUT THE TERM

BEFORE



BEFORE

 Voice

 calendly

BEFORE

 Voice

 calendly

GET TO
KNOW
YOUR
LMS



FIRST WEEKS

THROUGHOUT THE TERM

- Google-proof assessments
 - DBAs
- Feedback
 - Growth Mindset
 - Create feedback “shells”
 - Rubrics

THROUGHOUT THE TERM

- Targeted communication
 - Students who haven't engaged in a few days.
 - Students who are engaging but struggling with the content.
 - Students who are engaging and excelling in the content.

THROUGHOUT THE TERM

- Create asynchronous intro videos
- Heads up videos
- Activate prior knowledge
- Where will the videos “live”?

THROUGHOUT THE TERM

Dear teacher,

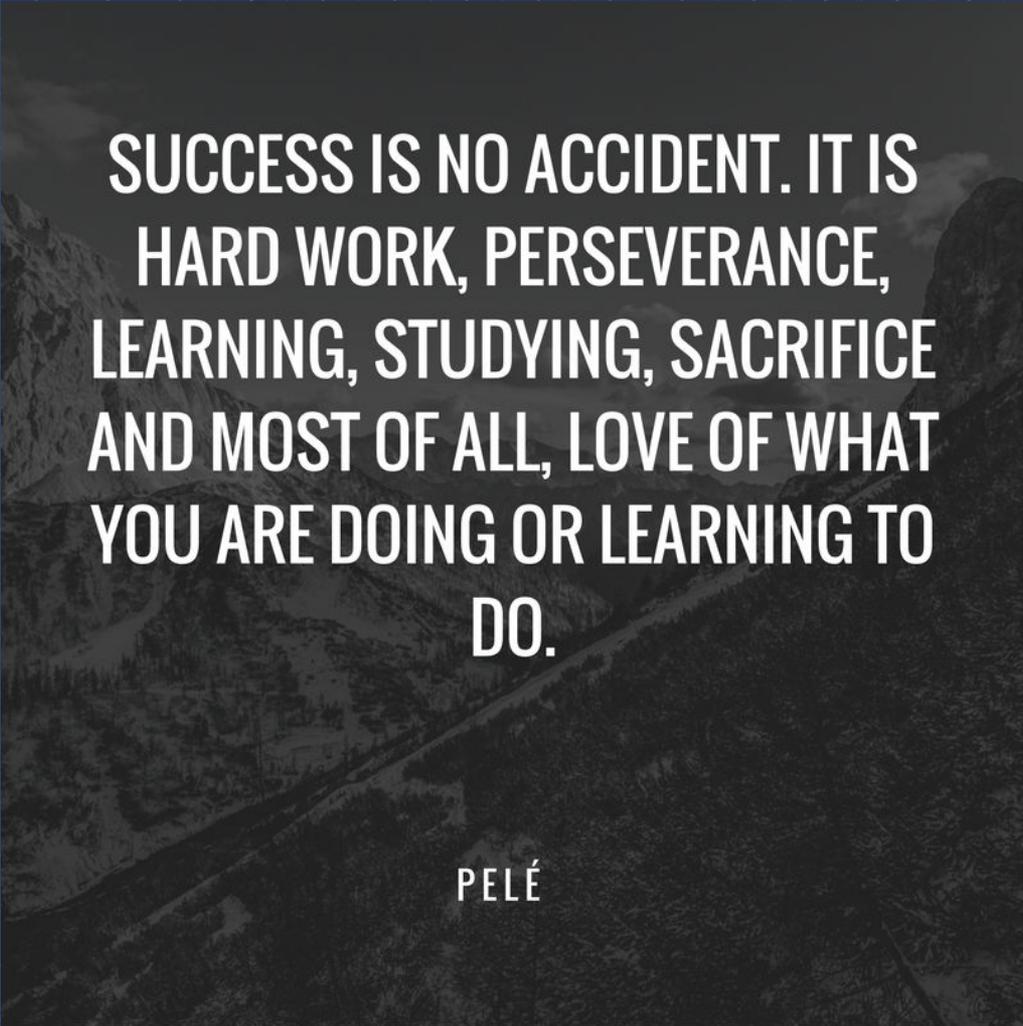
Chalk & Apples

YOU ARE AMAZING!

YOU ARE ENOUGH!

YOU ARE BETTER THAN OKAY!

#AMAZINGTEACHER



**SUCCESS IS NO ACCIDENT. IT IS
HARD WORK, PERSEVERANCE,
LEARNING, STUDYING, SACRIFICE
AND MOST OF ALL, LOVE OF WHAT
YOU ARE DOING OR LEARNING TO
DO.**

PELÉ

Mathematics Resources

Introduction		
Kindergarten	1st Grade	2nd Grade
3rd Grade	4th Grade	5th Grade
6th Grade	7th Grade	8th Grade
Coordinate Algebra	Algebra I	Analytic Geometry
Geometry	Algebra II - Advanced Algebra	Precalculus
Calculus-Based HS Courses		All Other HS Courses
Additional Teacher Resources		

<https://www.gadoe.org/Curriculum-Instruction-and-Assessment/Curriculum-and-Instruction/Documents/Mathematics/GADOE-Remote-Learning-Supplemental-Resources-for-Mathematics-K-12.pdf>