

TEXAS INSTRUMENTS PARTNERS IN SUCCESS SERIES: TRANSFORMING MATH AND SCIENCE AT LUFKIN ISD



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WE ARE LUFKIN





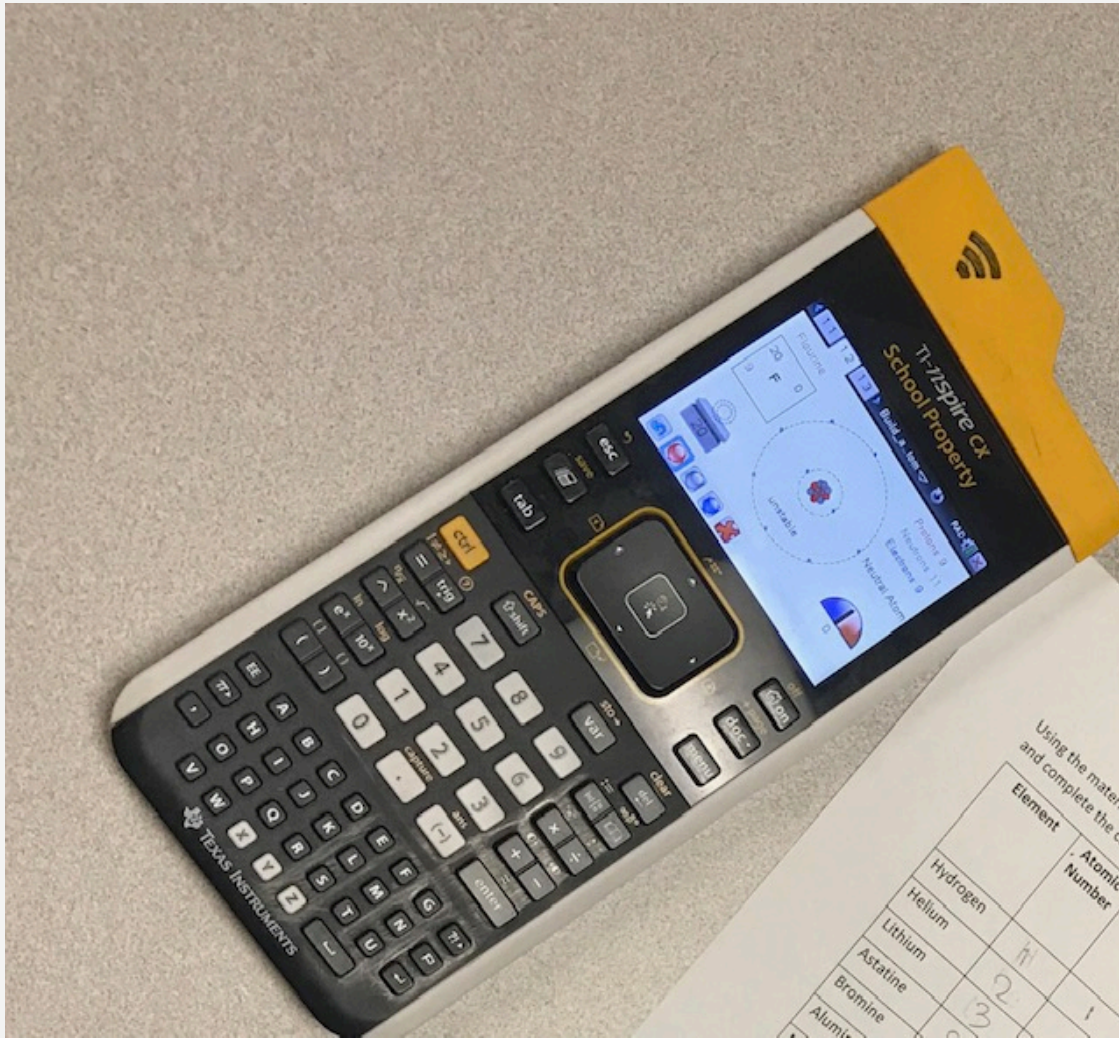
LUFKIN ISD HISTORY WITH TEXAS INSTRUMENTS

PARTNERSHIP BEGIN IN 2012

**FULL IMPLEMENTATION IN MATH AND
SCIENCE CLASSROOMS GRADES 6-12**

PARTIAL IMPLEMENTATION GRADES 3-5





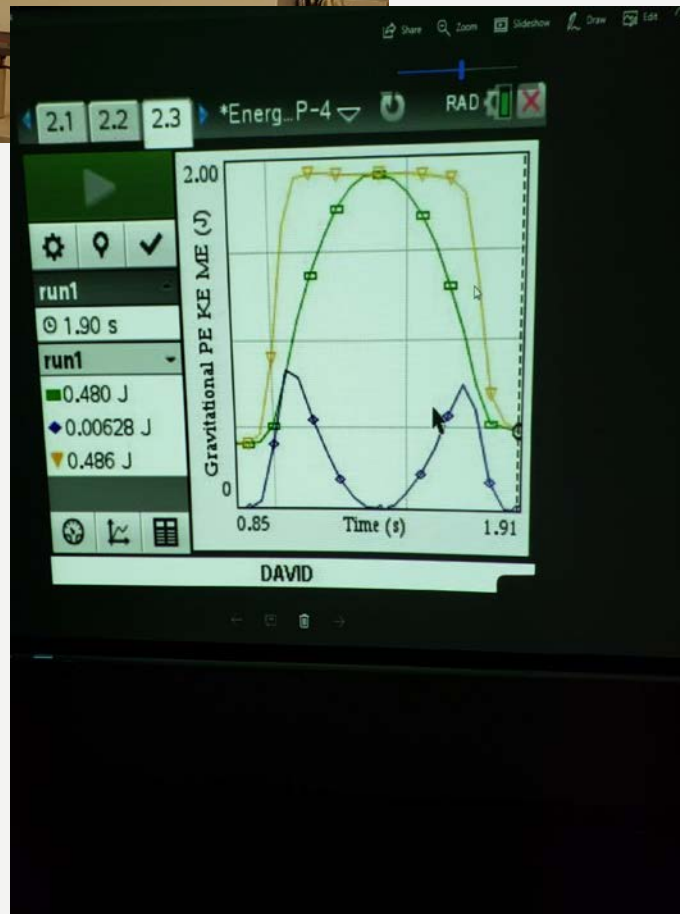
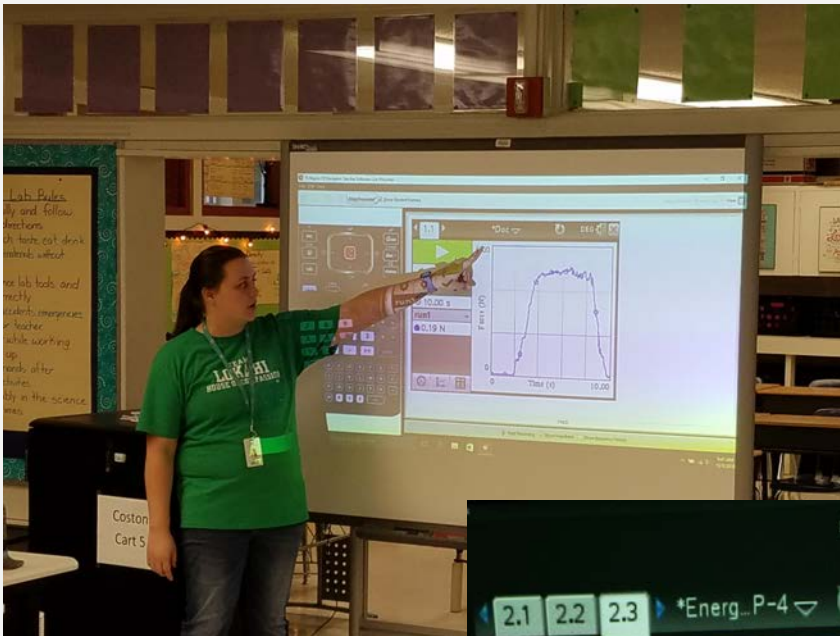
Using the material and complete the chart

Element	Atomic Number
Hydrogen	
Helium	
Lithium	1
Astatine	2
Bromine	3
Alumic	

NSPIRE

MORE THAN JUST A CALCULATOR





**HOW WE
DO SCHOOL
..
ENGAGEMENT!**



3-Physics-s20, QP Set 1, 01-08 Review - TI-Nspire™ CX Premium Teacher Software

File Edit View Tools Class Window Help

Content Documents Class Portfolio Review

Show Correct Answer Start Poll

Review Toolbox

Quick Poll 1

What is the difference between Struggle and Frustration?

Student Data

1 of 16 working
15 of 16 submitted

What is the difference between Struggle and Frustration?

Struggle is having a hard time when something while Frustration is feeling angry

Struggle is somewhat of a hardship you face while frustration is a something you feel.

struggle is caused by something you cant control but frustration you can

struggle is dealing with something difficult and frustration is the emotion that often comes with struggles

struggle is something you dont know and frustration is you know but are confused

struggle is somewhere you try hard many a times in succeeding but still cant because of some reason or u succed frustration is where u try hard but never succsed or u never un

File Edit View Tools Class Window Help

Content Documents Class Portfolio Review

Show Correct Answer Start Poll

Review Toolbox

Quick Poll 1

What is the difference between an average quantity and an instantaneous quantity?

Student Data

0 of 17 working
17 of 17 submitted

What is the difference between an average quantity and an instantaneous quantity?

Instantaneous is at one point in time and average is calculated over a period of time

an average over time versus at a certain point in time

an average quantity is when it determines the speed you go over the amount of time. instataneous quantity is a given speed at that time.

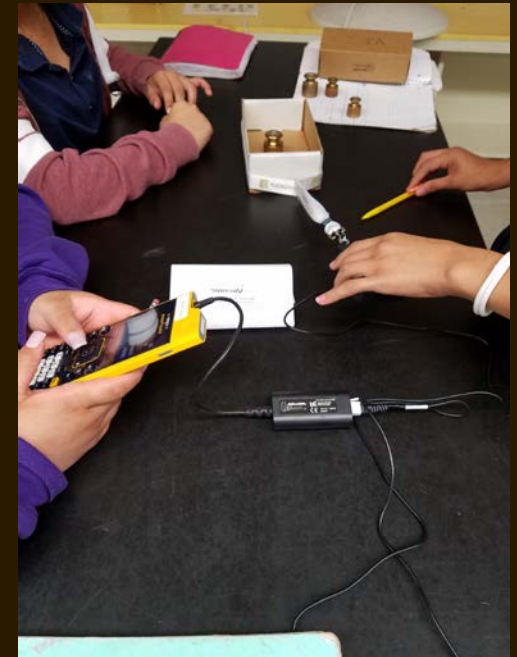
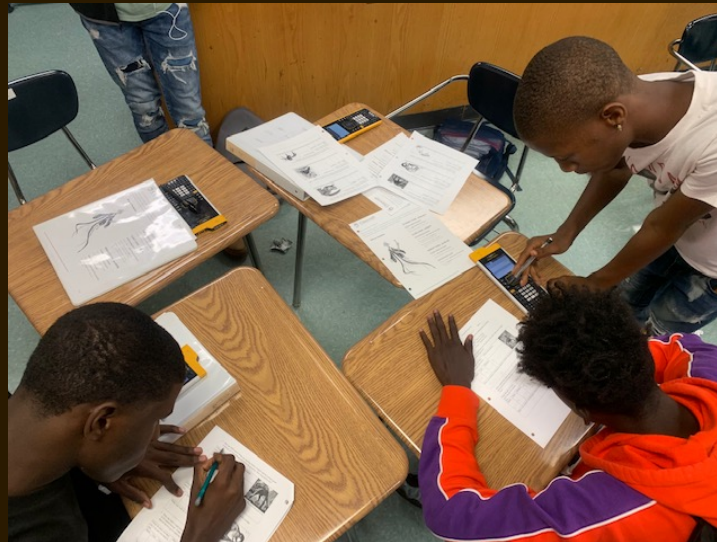
average is calculated over an extended period of time instantaneous is of one point in time

average is overall and instantaneous is present or past distance or one point in time

average is the amount calculated over a period of time, instantaneouse is at one point in time

HOW WE DO SCHOOL -- MEANINGFUL IN-CLASS ASSESSMENT!





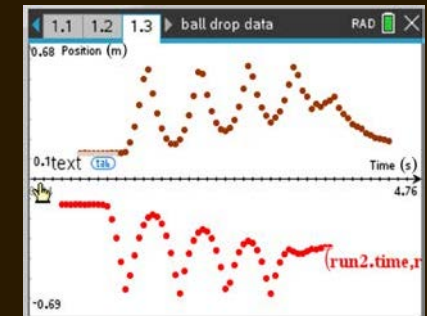
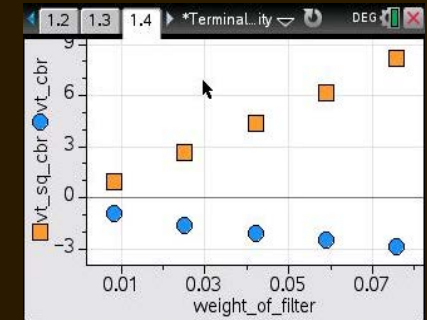
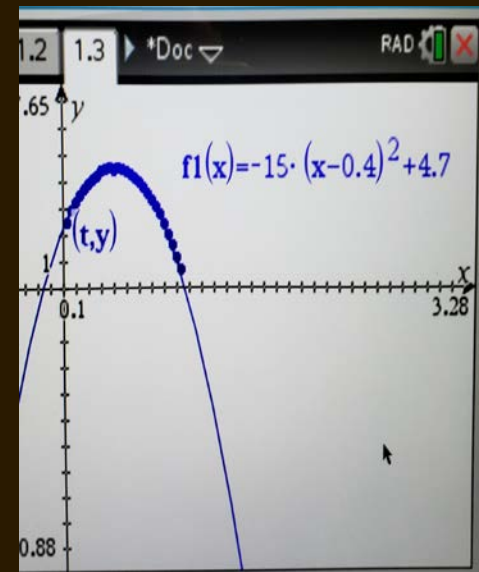
CLASSROOMS



run1

	Time	Position	Velocity
1	0.05	0.247	---
2	0.10	0.247	---
3	0.15	0.247	---
4	0.20	0.247	---
5	0.25	0.247	---
6	0.30	0.247	---
7	0.35	0.247	---
8	0.40	0.247	---
9	0.45	0.247	---

ADRIANA



	A numb...	B weight...	C vt_cbr	D
=				=vt_cbr^2
1	1.	0.0087	-0.96	0.9216
2	3.	0.0253	-1.64	2.6896
3	5.	0.0422	-2.29	5.2441
4	7.	0.05905	-2.49	6.2001
5	9.	0.07587	-2.87	8.2369
D1	=0.9216			

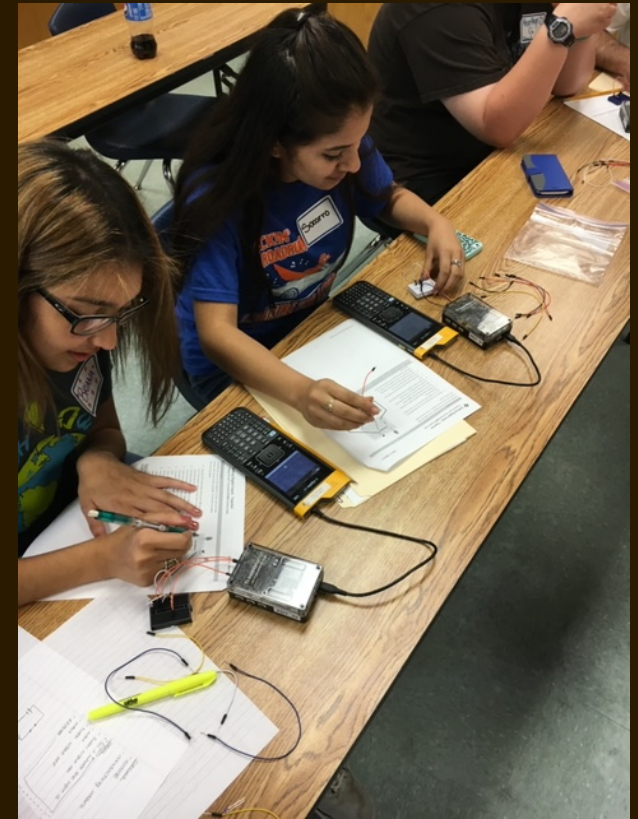
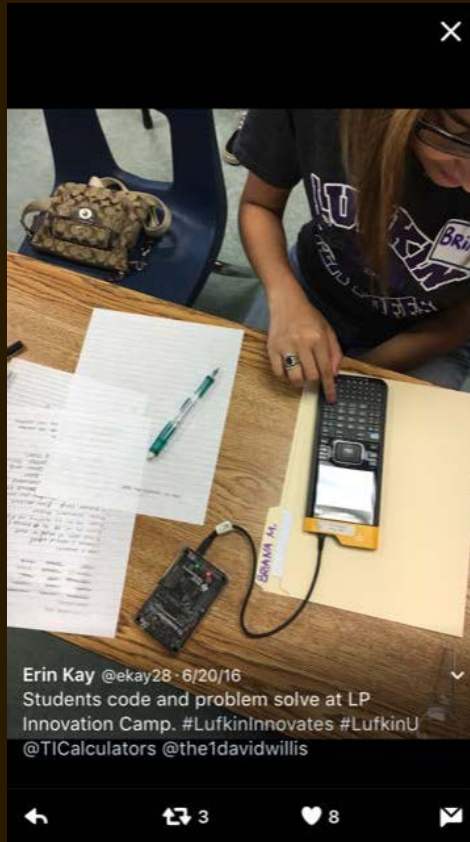
1.3 1.4 1.5 *Energ...Q-7

(C) A boulder having a mass of 30 kg sits at the top of a cliff 20 m high. It falls off the cliff. What is its velocity when it is 5 m off the ground? ** round to the tenths... one decimal place!

Student: Type response here.

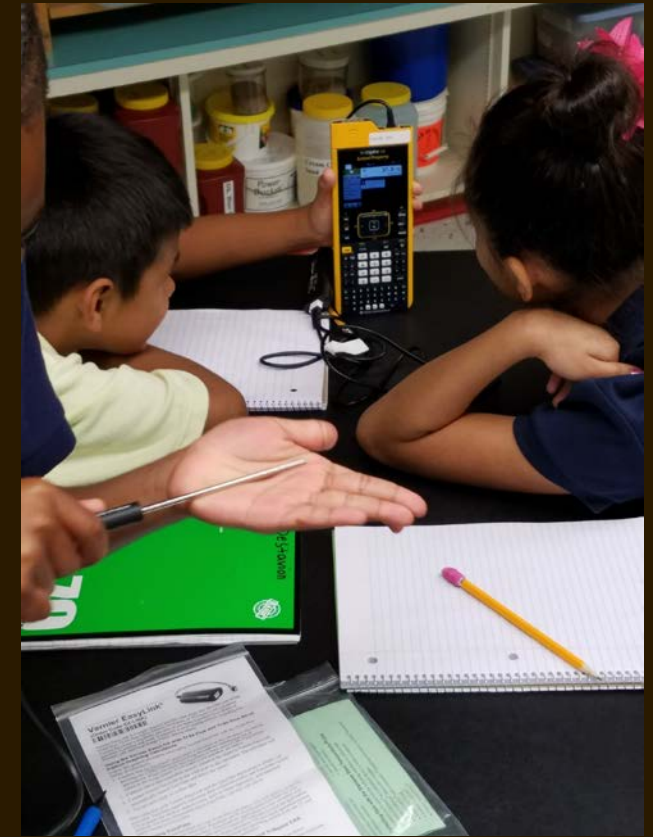
MATH AND SCIENCE





SUMMER PROGRAMS HIGH SCHOOL





SUMMER PROGRAM ELEMENTARY





SUMMER PROGRAM ELEMENTARY



HOW DO I AS AN ADMINISTRATOR SUPPORT TEACHERS?





WHICH
TECHNOLOGY?



NON NEGOTIABLES

- 1 to 1 access every day
- Affordable
- Long lasting life cycle
- Easy to learn to operate
- Make teachers more effective
- Hand-held
- Compatibility with other products teachers were using
- Cross-curricular
- Tech Support
- Professional Development that lasted more than a day



CRITICAL BUY IN

- “This will only work with my smart kids.”
- “I am too old to learn new technology.”
- “Is this something I have to do?”



RESISTANCE



Loss of Control



RESISTANCE



Uncertainty



RESISTANCE



Surprises



RESISTANCE

I'm sorry.
I'm such a
disappointment
to you.

Loss of Face



RESISTANCE



Competence



RESISTANCE

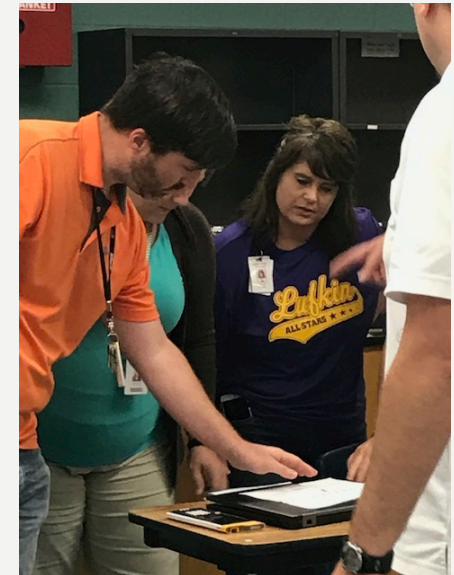
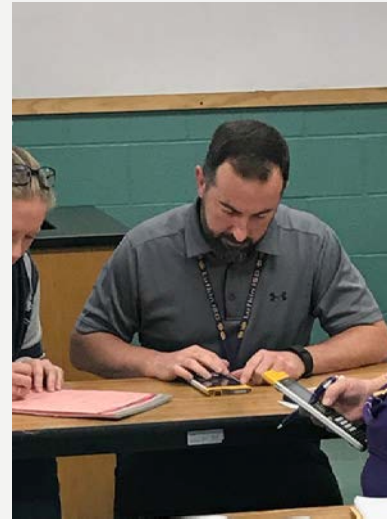


More Work



RIPPLE EFFECT DURING IMPLEMENTATION

- **Who is embracing the initiative?**
- **Start a movement**
- **Students and parents will demand equal opportunities**



SUSTAINABILITY



