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**2020-2021**

# Ideas With **IMPACT**



## **idea packet**

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Showcase of Best  
Practices in a  
Mainstreamed  
Classroom

# Showcase of Best Practices in a Mainstreamed Classroom

**Building Class Culture and Climate: Social-Emotional Learning**  
 mentimeter.com CODE: **mentim**

How do you build class culture and climate?  
 (Open-Ended Circle by QnA)

Through video, presentations, the culture and climate can be built. Teachers can lead a class, they can provide a safe environment for students to share their experiences and provide support for each other.

**Reflection**  
 mentimeter.com CODE: **mentim**  
 What are 3 words that describe an effective mainstreamed classroom?

**Building Academic Ownership & Intrinsic Motivation: Social-Emotional Learning**  
 mentimeter.com CODE: **mentim**

How do you build academic ownership & intrinsic motivation?  
 (Open-Ended Pictionary QnA)

**Strategies to Help Promote an Effective Mainstreamed Classroom**

**Get to Know Your Audience**

- Grab your phone and go to mentimeter.com
- Type in the code
- Wait, the results will appear live on the screen!

Are you a teacher, an administrator or other?  
 (Multiple Choice - Bar Graph)

- What do you hope to learn from this showcase of Best Practices in a Mainstreamed Classroom? (Open-Ended Question - Speech Bubbles)

**Data Chat Sheet**

The purpose of this tool is to help you understand the data presented in the showcase. You will receive a list of questions to discuss with your colleagues and make their suggestions. It is a tool to help you understand the data presented in the showcase. You will receive a list of questions to discuss with your colleagues and make their suggestions. It is a tool to help you understand the data presented in the showcase.

**Strategies for a Mainstreamed Classroom**

**Showcase of Best Practices in a Mainstreamed Classroom**

**Demonstration of Software/Applications**

**1. Provide Pictures/Documents/Videos**

1. **Get to Know Your Audience**
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  2. **Get to Know Your Audience**
  3. **Get to Know Your Audience**
  4. **Get to Know Your Audience**
  5. **Get to Know Your Audience**
2. **Building Class Culture and Climate**
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  3. **Building Class Culture and Climate**
  4. **Building Class Culture and Climate**
  5. **Building Class Culture and Climate**
3. **Building Academic Ownership & Intrinsic Motivation**
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  3. **Building Academic Ownership & Intrinsic Motivation**
  4. **Building Academic Ownership & Intrinsic Motivation**
  5. **Building Academic Ownership & Intrinsic Motivation**
4. **Reflection**
  1. **Reflection**
  2. **Reflection**
  3. **Reflection**
  4. **Reflection**
  5. **Reflection**

# Showcase of Best Practices in a Mainstreamed Classroom

SOCIAL-EMOTIONAL LEARNING

Vanessa  
Radice

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Hialeah-Miami Lakes Senior High

## Showcase of Best Practices in a Mainstreamed Classroom

### Demonstration of Software/Applications

### Will Provide Pictures/Documents/Videos

- I. Get to know your audience
  - A. [Menti.com](#)-Type in the code-Vote, the results will appear live on the screen!
    1. Are you a teacher, an administrator or other? (Menti.com-Multiple Choice- Bar Graph)
    2. What do you hope to learn from this session: Showcase of Best Practices in a Mainstreamed Classroom? (Menti.com-Open Ended Question- Speech Bubble)
  - B. My Goal as an Educator (Begin with the END in Mind)
- II. Building Class Culture and Climate

How do you build class culture and climate? (Menti.com-Open-Ended One by One)

  - A. Virtual Walk Through My Classroom [Video](#)
  - B. Classroom Activities/Actions
    1. Organization (Kaizen) [Pic](#)
    2. Power of Silence
    3. <https://www.classdojo.com/> [Pic/Doc](#)
    4. Positive Affirmations "We Believe in You" [Pic/Doc](#)
    5. Four Corners (Positive Quotes) [Doc](#)
    6. Commercial Breaks
- III. Building Academic Ownership & Intrinsic Motivation

How do you build academic ownership & intrinsic motivation? (Menti.com-Open-Ended Flowing Grid)

  - A. Random Name Calling (Popsicle Sticks) [Pic](#)
  - B. Personalize Lessons/Notebook (Use student names) [Pic](#)
  - C. Daily Bell Ringers [Pic](#)
  - D. Home Learning Folder [Pic](#)
  - E. One Page Weekly Home Learning/Stamp [Pic](#)
  - F. Binder/Notebook Rubric Every 4 Weeks [Pic/Video](#)
  - G. Weekly Quiz for Differentiated Instruction [Pic](#)
  - H. Data Chat Sheet (Error Analysis) [Pic](#)
- IV. Reflection
  - A. Closing Activity- <http://www.superteachertools.us/spinner/>
  - B. What are 3 words that describe an effective mainstreamed classroom? (Menti.com-Word Cloud)

# Goals and Objectives

To empower students to be the best they can be, helping them become intrinsically motivated through the use of positive reinforces and support. Consequently, leading them to have paradigm shifts and empowering them to become change agents.

To help build respectful, lifelong learners that can coexist in a diverse society as independent citizens.

To help my students increase their social, emotional and academic performance.

# Florida Standards

## K-12 Cross Curriculum

LAFS.2.SL.1.1.a. Follow agreed-upon rules for discussions (e.g., gaining the floor in respectful ways, listening to others with care, speaking one at a time about the topics and texts under discussion).

LAFS.4.SL.2.4 Report on a topic or text, tell a story, or recount an experience in an organized manner, using appropriate facts and relevant, descriptive details to support main ideas or themes; speak clearly at an understandable pace.

LAFS.5.SL.1.1 Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher led) with diverse partners.

LAFS.K12.R.1.3 Analyze how and why individuals, events, and ideas develop and interact over the course of a text.

LAFS.K12.R.3.7 Integrate and evaluate content presented in diverse media and formats, including visually and quantitatively, as well as in words.

LAFS.K12.SL.1.1 Prepare for and participate effectively in a range of conversations and collaborations with diverse partners, building on others' ideas and expressing their own clearly and persuasively.

HE.5.C.1.2 Explain the physical, mental/ emotional, social, and intellectual dimensions of health.

HE.3.B.4.3 Interpersonal Communication-Demonstrates the ability to use interpersonal communication skills to enhance, avoid or reduce health risks.

HE.5.B.5.4 Select a healthy option when making decisions for yourself and/or others.

SS.2.C.2.2 Define and apply the characteristics of responsible citizenship

# Showcase of Best Practices in a Mainstreamed Classroom

Showcase of Best Practices in a Mainstreamed Classroom

SOCIAL-EMOTIONAL LEARNING

Vanessa Radice

vrad001@dadeschools.net

Hialeah-Miami Lakes Senior High

## Building Class Culture and Climate Social-Emotional Learning

menti.com CODE:

How do you build class culture and climate?  
(Open-Ended One by One)

Through various activities/practices, the students and teachers can build a safe, healthy classroom climate that is conducive for learning and instill principles of citizenship.

"Always maximize on the teachable moments that promote positive peer interactions."

## Reflection

menti.com CODE:

What are 3 words that describe an effective mainstreamed classroom?

## Building Academic Ownership & Intrinsic Motivation: Social-Emotional Learning

menti.com CODE:

How do you build academic ownership & intrinsic motivation?  
(Open-Ended Flowing Grid)

## Goals and Objectives

The purpose of this lesson is to help students understand the importance of setting goals and objectives for themselves and their classroom. This lesson will focus on the following objectives:

- 1. To understand the importance of setting goals and objectives.
- 2. To be able to set personal and academic goals.
- 3. To be able to set classroom goals.
- 4. To be able to track progress towards goals and objectives.

## Get to Know Your Audience

- 1) Grab your phone and go to menti.com
- 2) Type in the code
- 3) Vote, the results will appear live on the screen!

- 1) Are you a teacher, an administrator or other?  
(Multiple Choice- Bar Graph)

- 2) What do you hope to learn from this session:  
Showcase of Best Practices in a Mainstreamed Classroom?  
(Open Ended Question- Speech Bubble)

## Data Chat Sheet

Depending on the type of formal assessments the students participate in, the teacher can create a table where students can manually input their achievement, and monitor their progress. If possible allowing students to see the average score for each assessment is important as they can have a reference as to where they are at academically when compared to the other students. Also having them manually graph their results using a bar graph is a great visual and teaches them integrate and evaluate content in diverse formats.

## Strategies to Help Promote an Effective Mainstreamed Classroom

1. Use a variety of instructional strategies to engage all learners. 2. Establish a safe and respectful learning environment. 3. Use formative assessment to monitor student learning and adjust instruction. 4. Use differentiated instruction to meet the needs of all learners. 5. Use collaborative learning to promote student engagement and understanding. 6. Use technology to enhance learning and instruction. 7. Use real-world examples to make learning relevant. 8. Use student feedback to improve instruction. 9. Use a variety of assessment methods to evaluate student learning. 10. Use a variety of instructional materials to engage all learners.



## Strategies for a Mainstreamed Classroom

random name calling  
competition  
challenge student  
built on strength  
low-poise logic building  
organization  
low ambiguity or time  
offer choices  
build bridges  
silence  
positive affirmations  
avoid power struggles  
self-evaluation  
data chat  
communication  
develop consistency  
in-classroom activities  
personalize lessons  
reward and punishment



PREP

# Strategies for a Mainstreamed Classroom



# *Get to Know Your Audience*

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1) Are you a teacher, an administrator or other?  
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2) What do you hope to learn from this session:  
Showcase of Best Practices in a Mainstreamed  
Classroom? (Open Ended Question- Speech  
Bubble)

# *Building Class Culture and Climate Social-Emotional Learning*

menti.com    CODE:

How do you build class culture and climate?  
(Open-Ended One by One)

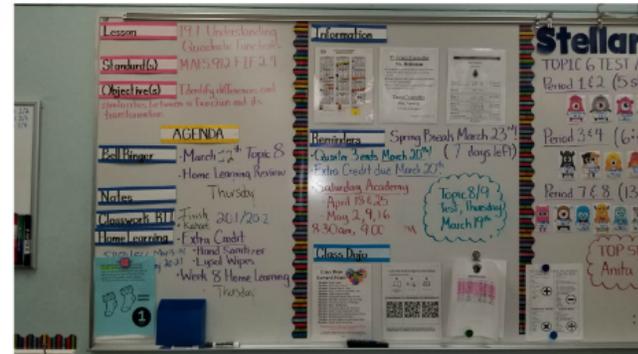
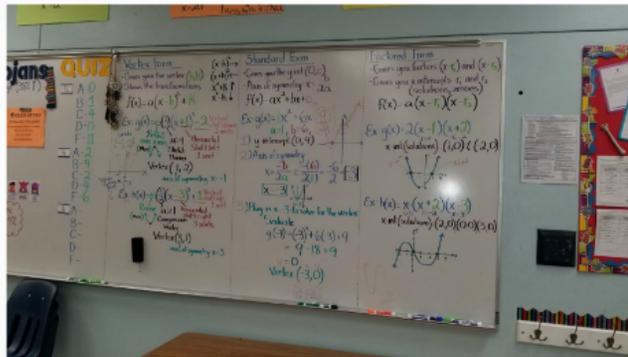
Through various activities/actions, the students and teachers can build a safe, healthy classroom climate that is conducive for learning and instill principles of citizenship.

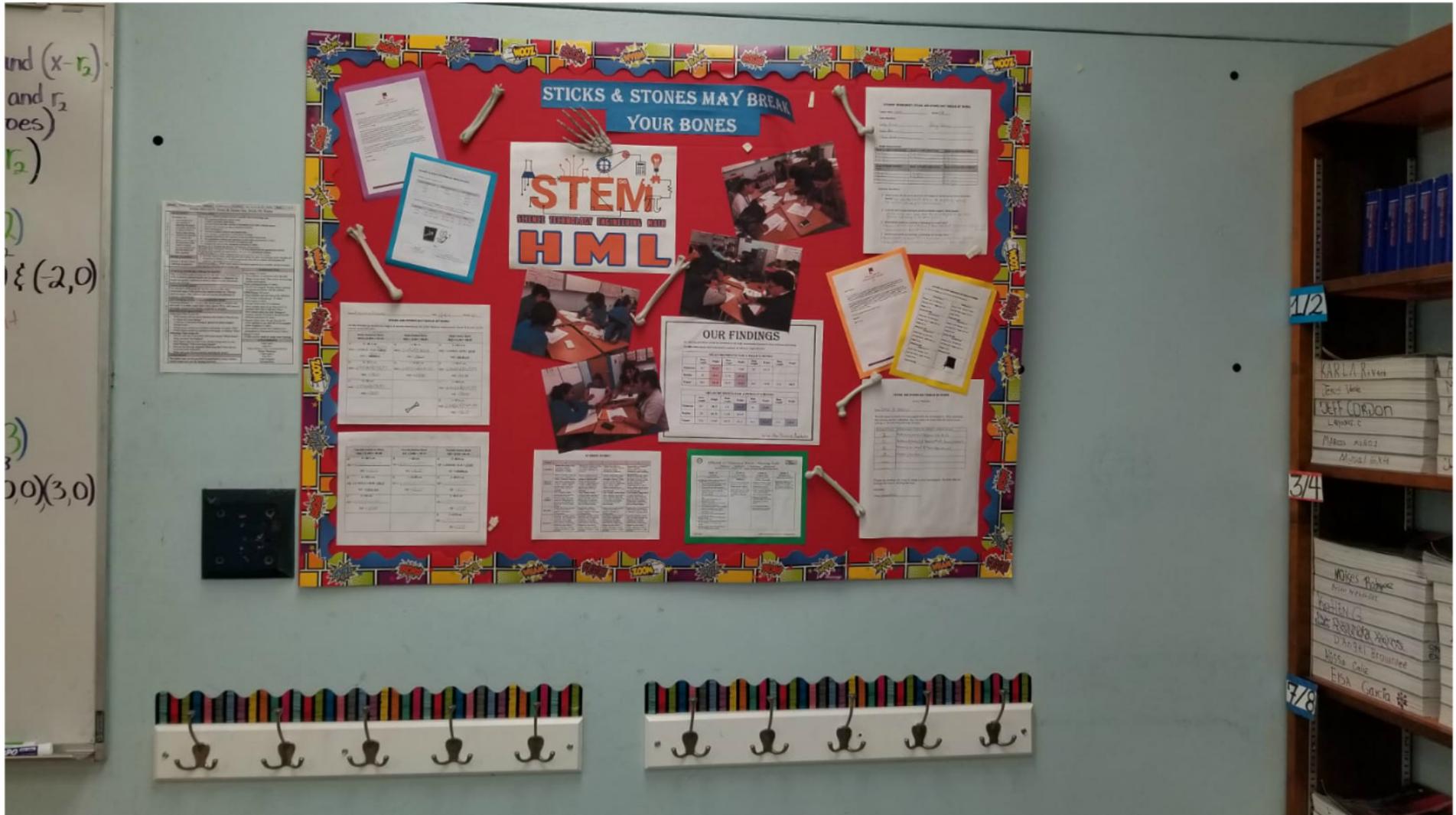
\*\*Always maximize on the teachable moments that promote positive peer interactions.

# Virtual Walk Through My Classroom

# Organization

**Kaizen** is a Japanese term meaning "change for the better" or "continuous improvement." It is a Japanese business philosophy regarding the processes that continuously improve operations and involve all employees. **Kaizen** sees improvement in productivity as a gradual and methodical process. Jun 28, 2020





# The Power of Silence

(Before Class/ Throughout School Year)

Before class (especially after recess or extracurricular activities) having a silent moment and dimming the lights to allow students to transition and reflect over what the classroom expectations are can be very effective. This helps calm the students down and minimize the amount of time it takes them to get focused on classroom task/s.

## Class Dojo

<https://www.classdojo.com/>

Teachers/Students/Parents can download Class Dojo as an avenue for communication for academic and behavior updates. Using Class Dojo students can gain and lose points for their behavior and academic achievements. The application allows the teacher/s and students to personalize the classroom rules/expectations. This helps the students take ownership and makes them feel responsible for keeping up with classroom expectations/goals. Points can be exchanged for rewards and teacher can deduct points for unwanted behaviors.

# Stellar Trojans



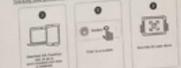
## Class Dojo

### Class Dojo Reward Points

- 10 points Small Candy
- 10 points Fun Cl Pass Lanyard
- 20 points Skip Lunch Line Pass/Other Pass
- 20 points Large Candy or Chips
- 30 points Highlighter/Marker/Paper/Folder
- 30 points Sit in the Teacher's Chair for a Day
- 40 points No Homework for a Weeknight
- 40 points Skip a Bell Ringer!
- 50 points No Homework for the Weekend!
- 60 points Deduct a Low Homework Grade!
- 60 points Extra Credit: 5 points on Broker Check
- 70 points \$5 McDonald's Gift Card
- 70 points A Letter Grade Up on a Friday's Quiz
- 80 points Trojan Stellar Event Pass

\*Rewards for tangible items must be claimed at the end of class.  
\*\* Rewards for accepting an assignment must be claimed at least a day before.

### Class Dojo Student Sign-Up Instructions



Class Dojo: Class Dojo Pass will be emailed to your teacher and a link to download from the app store will be emailed to you. If you are having trouble, please contact your teacher. Your Class Dojo will automatically be updated on the Day After.

# Stellar Trojans QUIZ

TOPIC 6 TEST Above Average (38% ↑)  
Period 1 & 2 (5 students)



Period 3 & 4 (6 students)



Period 7 & 8 (13 Students)



TOP STELLAR TROJAN  
Anita Thompson 71.4%

CLASS OF 2023  
STELLAR TROJAN!  
TO BE A TROJAN YOU MUST  
BE IN SCHOOL!  
BE ON TIME  
BE YOUR BEST!

- 3/2 A-0
- B-1
- C-4
- D-0
- F-11
- 3/4 A-2
- B-4
- C-2
- D-4
- F-6
- 1/4 A-
- B-
- C-
- D-
- F-

Week	Start	End	Days
Week 1	2/20/23	2/27/23	Mon-Fri
Week 2	2/27/23	3/6/23	Mon-Fri
Week 3	3/6/23	3/13/23	Mon-Fri
Week 4	3/13/23	3/20/23	Mon-Fri
Week 5	3/20/23	3/27/23	Mon-Fri

Break March 23<sup>rd</sup>!  
(7 days left)

Topic 8/9  
Test, Thursday  
March 19<sup>th</sup>

Week	Start	End	Days
Week 1	2/20/23	2/27/23	Mon-Fri
Week 2	2/27/23	3/6/23	Mon-Fri
Week 3	3/6/23	3/13/23	Mon-Fri
Week 4	3/13/23	3/20/23	Mon-Fri
Week 5	3/20/23	3/27/23	Mon-Fri

Symbol	Meaning
+	Plus
-	Minus
x	Multiply
÷	Divide

**Vertex Form**

- Gives you the vertex (h,k)
- Shows the transformations
- $f(x) = a(x-h)^2 + k$

**Standard Form**

- Gives you the y-int (0, c)
- Axis of symmetry  $x = -\frac{b}{2a}$
- $f(x) = ax^2 + bx + c$

**Fractional Form**

- Gives you factors (p,q) and (r,s)
- Gives you x-intercepts (r,0) and (s,0) (solution zeroes)
- $f(x) = a(x-r)(x-s)$

**Examples:**

Ex:  $g(x) = c(x+1)^2 - 2$   
 Vertex: (-1, -2)  
 Shift: 1 unit left, 2 units down

Ex:  $h(x) = a(x-3)^2 + 1$   
 Vertex: (3, 1)  
 Shift: 3 units right, 1 unit up

**Graphing:**

1) y-intercept (0,4)  
 2) Axis of symmetry  $x = -\frac{b}{2a} = -\frac{-6}{2(1)} = 3$   
 3) Plug in x=3 to solve for the vertex value  
 $g(3) = (-3)^2 + 6(-3) + 4 = 9 - 18 + 4 = -5$   
 Vertex: (3, -5)

Grade 9th Positive Behavior Support Log  
 Quarter 2 Week 3

Date	Name Last, First	ID#	Period	No uniform	No ID	Off Task/Behavior	Tardy # of Tardies	Left Early #	Parent Contact (Y or N)	Detention Served	Other
11/12	Alarcon, Maria	0817121	2			Tardy 7:22am	15				
11/20	Fernandez, Alex	0335388				Sleeping in class					
11/18	Jones, Brandon	0328950	2			Tardy 7:30am	6 <sup>th</sup>				
11/18	Harris, Jamarea	0137815	2			Tardy 8:13am	4 <sup>th</sup>				
11/20	Ortiz, Jose	0885154	1			Tardy 7:35am	3 <sup>rd</sup>				
11/21	Ortiz, Jose	0885154	2			Tardy 7:26am	4 <sup>th</sup>				
11/22	Ortiz, Jose	0885154	2			Tardy 8:43am	5 <sup>th</sup>				
11/22	Rojas, Nicolas	0780370	2			Tardy 8:56am	2 <sup>nd</sup>				
11/25	Rabess, Mykeal	0326301	1	1 <sup>st</sup>		Out of uniform					
11/25	Forbes, Vrnik	0883376	1		2 <sup>nd</sup>	No ID					
11/25	Brownlee, D'Angel	0326413	3			Tardy 9:01	8 <sup>th</sup>				

QUARTER 2 WEEK

QUARTER 2 WEEK

Teacher Name: Rivera/Radice

Date: 11/12 - 11/25

Room#: 9-121



My Action Plan

1. What's the problem?

I'm putting my head

2. What's causing the problem?

a. I'm bored this is too easy

b.

c.

d.

e.

f.

3. What plan will you use to solve the problem?

a. pass fsa

b. and do this class

c.

d.

e.

f.

Mindy Zeroni

Student's Signature

9/10/18

Date



# Positive Affirmations

## Beginning/Throughout School Year

As students walk in it is important to always have a positive affirmation on the board. For example the "Dear Students I Believe In You" message. Throughout the year teacher can project the same message or any other positive affirmation as they walk in. Before the lesson of the day.

**Dear Student:**

**We BELIEVE in you**

**We are here for you**

**You are CAPABLE of wonderful things**

**You are RESPECTED**

**You are listened to**

**You are UNIQUE**

**You are worth it**

**We expect wonderful things**

**We will never give up on you**

**We care about you**

**Your SUCCESS is my SUCCESS**

**We are in this together**

**You are the reason why we are here**

**We Are HML!!!!!!!**

# Four Corners Positive Quotes

## Beginning of School Year/Ongoing

At the beginning of the year teacher and student can participate in the Four Corners Quote Activity. This helps create thoughts that are positive, constructive, and encouraging.

Teacher can use any quotes and post one in each corner. Example of quotes:

"Attitude is Everything"

"If you want to change, you have to be willing to be uncomfortable"

"Winners Train, Losers Complain"

"It's Hard To Beat a Person Who Never Gives Up"

Then each student and teacher in the room walks to the corner which has the quote that resonates most with them. In their corresponding corner students and teacher/s share (verbal and/or written) why they chose that quote. Then one student from each corner can share with the whole class the various reasons for why that group chose that quote. The quotes can remain in the room for the entire year and teacher/student can refer to it during teachable moments.

Provide Quotes

# Commercial Breaks

**Between a lesson teacher/student can share a side story sometimes it can be related to the content, other times the commercial break might be totally off topic. It can be the teacher or student who asks for the commercial break and sometimes the conversation just happens naturally where it deviates from the topic at hand.**

# *Building Academic Ownership & Intrinsic Motivation: Social-Emotional Learning*

menti.com CODE:

How do you build academic ownership & intrinsic motivation?  
(Open-Ended Flowing Grid)



# Personalize Notebook & Lessons



## Random Name Calling (Popsicle Sticks)

This is the best way to assure that all students have a chance to participate and receive their daily/weekly Dojo points for participation. This also helps identify students who are following along, have misconceptions, or are struggling with the skill/s being taught. After a student is called he goes into another cup or can be tied with a rubber band so that he is not called again until all other students have had a turn. This helps prevent the issue of always calling on the same student and allows for students to learn how to respect each other's turn. A teacher will then have to prompt and scaffold a student to help him/her to the answer.



# Daily Bell Ringers

Simple prompt or question that a student works on as they transition into the classroom. Students need to know that as they transition into the classroom, they need to start working on the bell ringer.

## BELL RINGERS

### Monday, 08/26/19

1. Simplify each expression using the Order of Operations.

a.  $12(10 - 5) - 40 \div (4 + 1)$

b.  $400 - [12 + 6 \cdot 10]$

c.  $\frac{2(45-6)}{35+5}$

### Tuesday 08/27/19

2. Simplify the algebraic expression if possible.

a.  $5x + 7y + 4y + 16x$

b.  $12j + 3(x + 6) + 19$

c.  $5(2t + 4) - (13t - 9)$

### Wednesday 08/28/19

3. Translate each phrase into a mathematical expression.

- Twelve more than a number
- A number divided by nine
- Ten decreased by a number
- Double a number

### Thursday 08/29/19

5. A cell phone company is offering 2 different monthly plans. Each plan charges a monthly fee plus an additional cost per minute.

Plan A: \$ 40 fee plus \$0.45 per minute

Plan B: \$70 fee plus \$0.35 per minute

**Part A:** Write an expression to represent the cost of Plan A

**Part B:** Write an expression to represent the cost of Plan B

**Part C:** Which plan would be least expensive for a total of 100 minutes?

### Friday 08/30/19

6. Solve.

a.  $7x - 2 = 26$

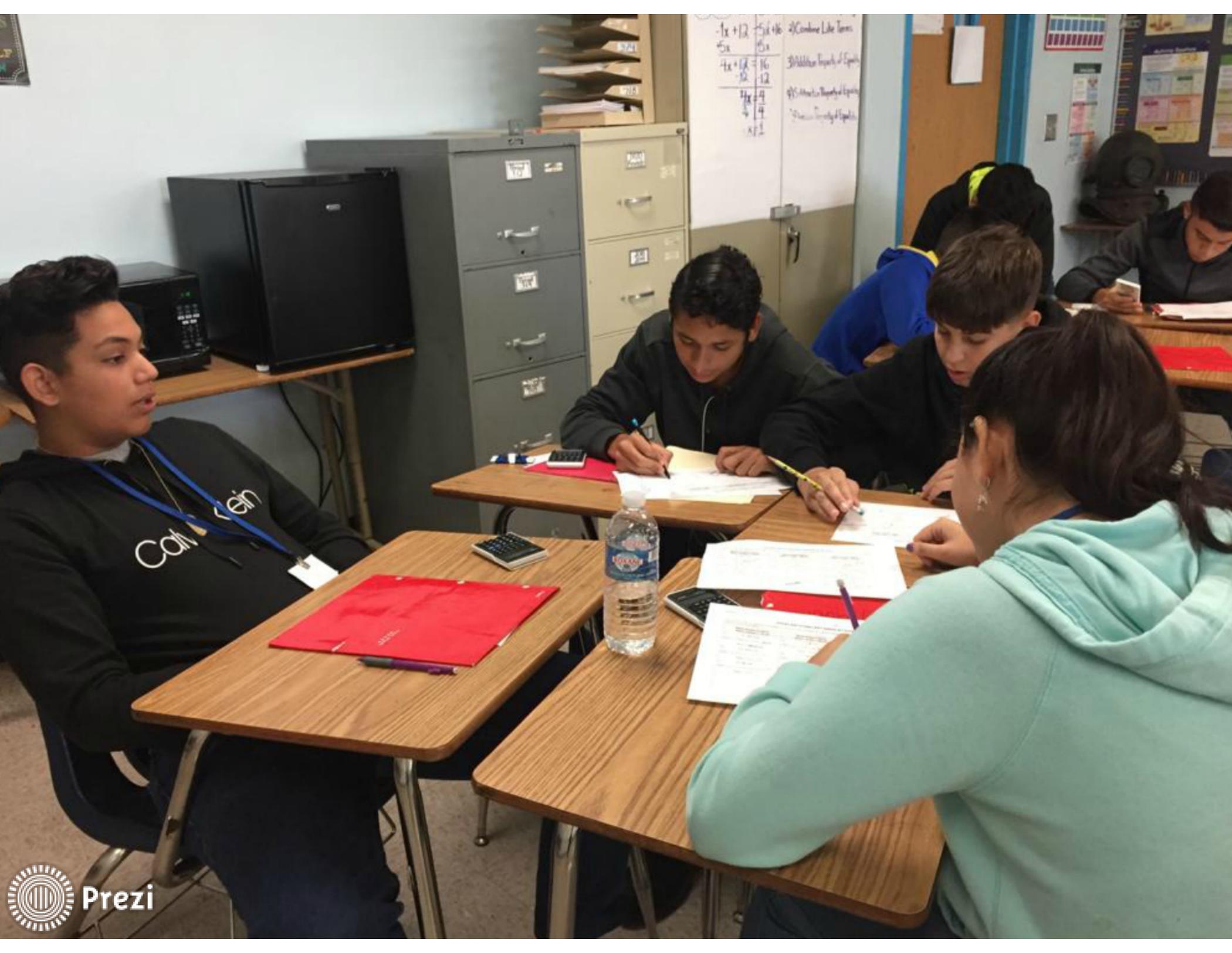
b.  $5x + 20 = -20$



## Home Learning Folder

Student gets a two pocket folder which can be personalized/decorated and titled (“Algebra Home Learning”). Every Monday student receives the home learning for the week which has Monday-Friday title above each corresponding day. This folder helps transport the home learning to and from home. Also any letters that need to go home can be placed in that folder. Parents should be aware of the home learning folder so that they can look inside it on a daily basis for letters, messages and to make sure child is doing nightly home learning. Every day in class student takes out home learning for teacher to stamp while they work on their bell ringer. After reviewing the daily bell ringer, the teacher will go over the home learning from the night before. On Fridays, after reviewing the Thursday night home learning, teacher will collect the weekly home learning sheet for a grade.



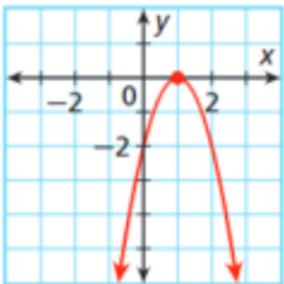
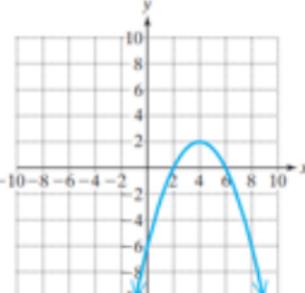


# One Page Weekly Home Learning

Keeping the home learning short and concise is extremely important and will help increase the completion rate. It's about having quality questions and not quantity. Also keeping it short allows for the teacher to be able to review the home learning and give feedback of the correct answers which is extremely crucial for learning to occur. As students work on a mini bell ringer or problem of the day, teacher walks around the room giving a stamp or sticker for those who attempted the home learning. An effort grade for those who attempt to do their home learning is crucial to help build intrinsic motivation.

Monday

1) Identify each vertex, axis of symmetry, minimum or maximum, Y-intercept domain and range for each parabola.

<p>a)</p> 	<p>b)</p> 
<p>Vertex (____, ____)</p> <p>Maximum or Minimum</p> <p>Axis of symmetry:</p> <p>Domain:</p> <p>Range:</p> <p>Y- intercept: (____, ____)</p>	<p>Vertex (____, ____)</p> <p>Maximum or Minimum</p> <p>Axis of symmetry:</p> <p>Domain:</p> <p>Range:</p> <p>Y- intercept : (____, ____)</p>

3) 2.4. Given are the functions  $f(x) = x^2$  and  $g(x) = (x-3)^2 + 1$ . How can the graph of  $g(x)$  be obtained from the graph of  $f(x)$ ?

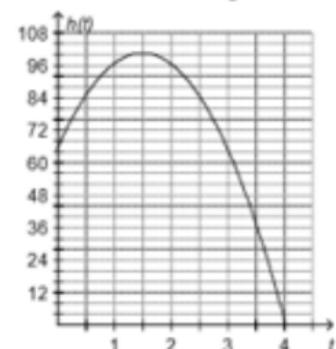
A. Translate the graph of  $f(x)$  to the left 3 units and up 1 unit.

B. Translate the graph of  $f(x)$  to the right 1 unit and down 3 units.

C. Translate the graph of  $f(x)$  to the left 1 unit and down 3 units.

D. Translate the graph of  $f(x)$  to the right 3 units and up 1 unit.

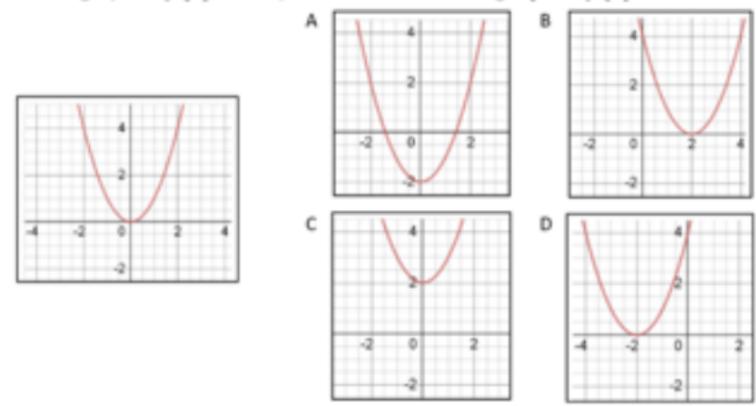
2) The function  $h(t)$  gives the height in feet of a ball seconds after it is thrown upward from the roof of a 64-foot tall building. How many seconds after the ball is thrown does it reach its maximum height? What is the ball's maximum height?



- A. The ball reaches a maximum height of 64 feet 0 seconds after it is thrown.
- B. The ball reaches a maximum height of 96 feet 1 second after it is thrown.
- C. The ball reaches a maximum height of 100 feet 1.5 seconds after it is thrown.
- D. The ball reaches a maximum height of 104 feet 1.5 seconds after it is thrown.

b) How long did the ball spend in the air?

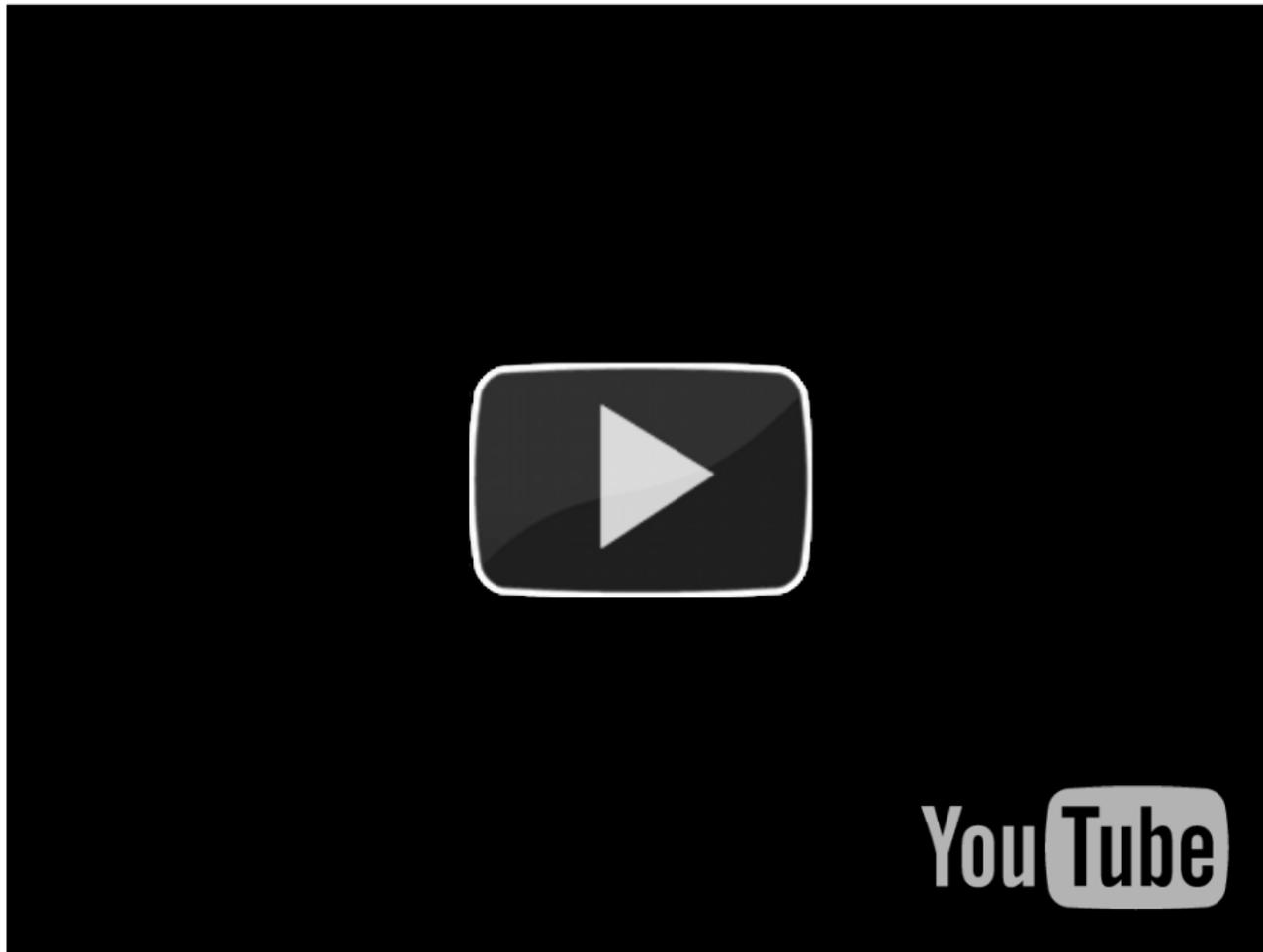
4) Given the graph of  $f(x) = x^2$ , which of the following is  $y = f(x) - 2$ ?



# Binder/Notebook Check (Rubric Every Four Weeks)

Students self-check their portfolio (notebook/binder/work folder). If possible, the teacher can have a few minutes to sit individually with each student to go over the rubric and portfolio. This allows for constructive feedback as to organization and completion of the tasks within the portfolio. Teacher can focus on a specific skill or area in which to give feedback for. For example the first rubric check teacher may want to focus on students putting the correct header and title on all assignments or that the assignments are placed in some order (chronological).

# Student Binder Sample



5<sup>th</sup> BINDER CHECK Rubric: Quarter 3 Week 4Score:  $\frac{\quad}{41} = \frac{\quad}{\quad}$ 

Check your binder and complete your own self checkup. Give this rubric to the teacher when your name is called during binder checkup. All Works should be properly dated, neat and placed in the correct divider.  
**If work is ordered incorrectly or placed in the incorrect divider you will not earn the points for it.**

Name: \_\_\_\_\_

Period: \_\_\_\_\_

Self-Check	Section	Work Title	Date	Points	Teacher Checks /Notes
	Supplies	Binder		+1	
		Syllabus Signed (Front of Binder)		+1	
		3 dividers		+1	
		1 folder in the binder		+1	
		Home Learning Folder R-1 B-2 Y-3		+1	
	1 <sup>st</sup> Divider (Bell Ringers)	Bell Ringers Jan. 13 <sup>th</sup> – Jan. 17 <sup>th</sup>		+5	
		Bell Ringers Jan. 21 <sup>st</sup> – Jan. 31 <sup>st</sup>		+8	
		Bell Ringers Feb. 3 <sup>rd</sup> – Feb. 13 <sup>th</sup>		+9	
	2 <sup>nd</sup> Divider (NOTES)	Topic 6 Test Data Chats	01/24	+1	
		Law of Exponents Chart	01/27	+1	
		14.1 Understanding Rational Exponents & Radicals	01/27	+1	
		14.2 Simplifying Expressions with Rational Exponents & Radicals	01/28	+1	
		15.1 & 15.2 Understanding & Constructing Geometric Sequences	01/30	+1	
		15.3 Constructing Exponential Functions	02/03	+1	
		15.4 Graphing Exponential Functions	02/05	+1	
		15.5 Transforming Exponential Functions	02/06	+1	
		16.1 & 16.2 Modeling Exponential Growth & Decay	02/10	+1	
	16.4 Comparing Linear & Exponential Models	02/12	+1		
	3 <sup>rd</sup> Divider (Classwork/RTI)	RTI Lesson 14.1 & 14.2 Rational Exponents & Radicals	02/04	+1	
		RTI Topic 6 Review Systems of Equations & Inequalities	02/06	+1	
	Binder Folder	Topic 6 Section 1	01/16	+1	
		Topic 6 Section 2	01/22	+1	
	= Total				

Name: Darick Date: 4/29 Period: 7/8 Total Points Received: 58 49  
57

Teacher Checks	Binder Check Rubric (Quarter 4)		Student Checks
1. Materials 2. 1pts Each 3. 4.	<ul style="list-style-type: none"> <li>✓ 1. Binder</li> <li>✓ 2. 3 dividers labeled (Bellringer-B, Notes-N, Classwork-C)</li> <li>✓ 3. Folder in Binder &amp; Red Folder for Bookbag</li> <li>✓ 4. Class Syllabus Signed</li> </ul>	<ul style="list-style-type: none"> <li>1. ✓</li> <li>2. ✓</li> <li>3. ✓</li> <li>4. ✓</li> </ul>	
1. Bell Ringer  39 Total Points	39pts	1. ✓	
1. Notes 2. 1pt Each 3. 4. 5. 6. 7.	<ul style="list-style-type: none"> <li>✓ 1. 4/3 20.1 HMH pg 937</li> <li>✓ 2. 4/3 20.2 HMH pgs 951-956</li> <li>✓ 3. 4/4 21.2 Guided Notes Factoring Quadratic Trinom</li> <li>✓ 4. 4/5 21.3 Guided Notes Factoring Special Cases</li> <li>✓ 5. 4/8 22.1 Solving Equations by Square Roots pgs 1033-1036</li> <li>✓ 6. 4/10 Guided Notes Complete Square/Quadratic Formula</li> <li>✗ 7. 4/12 HMH pg 1061</li> </ul>	<ul style="list-style-type: none"> <li>1.</li> <li>2.</li> <li>3.</li> <li>4.</li> <li>5.</li> <li>6.</li> <li>7. ✓</li> </ul>	
1. Classwork 1pt Each	✗ 1. 4/3 RTI 21.1-21.3, 22.1	1.	
1. Folder Inside Binder 2. 1 pt Each 3. 4. 5. 6. 7.	<ul style="list-style-type: none"> <li>✓ 1. Topic 1 Review</li> <li>✓ 2. Topic 1 &amp; 2 Review</li> <li>✓ 3. Topic 3&amp;4 Test Review</li> <li>✓ 4. Midterm Review Section 1</li> <li>✓ 5. Midterm Review Section 2</li> <li>✗ 6. Topic 6 Review</li> <li>✓ 7. Topic 8 &amp; 9 Review</li> </ul>	<ul style="list-style-type: none"> <li>1. ✓</li> <li>2. ✓</li> <li>3. ✓</li> <li>4. ✓</li> <li>5. ✓</li> <li>6. ✓</li> <li>7. ✓</li> </ul>	



# Weekly Quiz (Differentiated Instruction)

Every Friday student gets a mini quiz 5-10 questions on the topic covered in class that week. Teacher grades the quiz and puts the total numbers of As Bs Cs Ds and Fs in the corner of the board so that students can see results as they walk in Monday morning. This lets each student see how they are doing compared to their classmates and other classes. On Monday after going over the bell ringer of the day, teacher passes out quiz and reviews the questions with the students. Again feedback on everything a student does is crucial. Every assignment that is given by a teacher needs to receive feedback. This is why it is important to keep every assignment concise with quality questions!

# Quizzes

## QUIZ

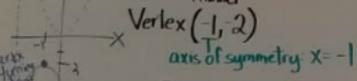
- 3/2 A-0
- B-1
- C-4
- D-0
- F-11
- 3/4 A-2
- B-4
- C-2
- D-4
- F-6
- 7/6 A-
- B-
- C-
- D-
- F-

### Vertex Form

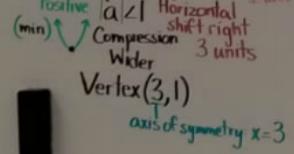
- Gives you the vertex  $(h, k)$
- Shows the transformations

$$f(x) = a(x-h)^2 + k$$

Ex:  $g(x) = 9(x+1)^2 - 2$   
 Vertex  $(-1, -2)$   
 • Reflect over x-axis (Max)  
 •  $|a| > 1$  Horizontal Stretch Thinner  
 • Vertical shift down 2 units



Ex:  $h(x) = \frac{1}{9}(x-3)^2 + 1$   
 Vertex  $(3, 1)$   
 • Positive (min)  
 •  $|a| < 1$  Horizontal shift right 3 units  
 • Vertical shift up 1 unit



- $(x-h)^2 \rightarrow$
- $(x+h)^2 \leftarrow$
- $x^2 + k \uparrow$
- $x^2 - k \downarrow$

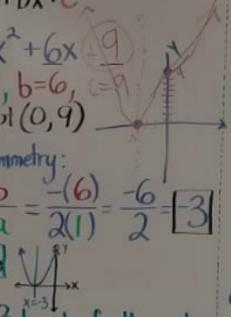
### Standard Form

- Gives you the y-int  $(0, c)$
- Axis of symmetry:  $x = -\frac{b}{2a}$

$$f(x) = ax^2 + bx + c$$

Ex:  $g(x) = 1x^2 + 6x + 9$   
 $a=1, b=6, c=9$

- 1) y-intercept  $(0, 9)$
- 2) Axis of symmetry:  
 $x = -\frac{b}{2a} = -\frac{6}{2(1)} = -\frac{6}{2} = -3$   
 $x = -3$



3) Plug in  $x = -3$  to solve for the vertex:

Evaluate

$$g(-3) = (-3)^2 + 6(-3) + 9$$

$$= 9 - 18 + 9$$

$$= 0$$

Vertex  $(-3, 0)$

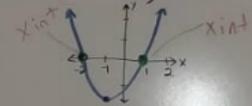
### Factored Form

- Gives you factors  $(x-r_1)$  and  $(x-r_2)$
- Gives you x-intercepts:  $r_1$  and  $r_2$  (solutions, zeroes)

$$f(x) = a(x-r_1)(x-r_2)$$

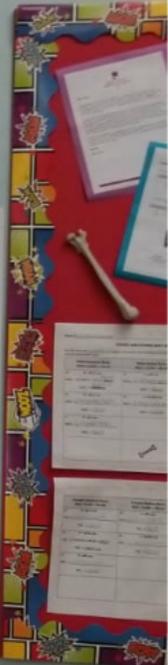
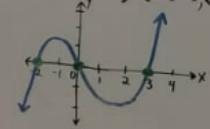
Ex:  $g(x) = 2(x-1)(x+2)$   
 $x = 1, x = -2$

x-int (solutions)  $(1, 0)$  &  $(-2, 0)$



Ex:  $h(x) = x(x+2)(x-3)$   
 $x = 0, x = -2, x = 3$

x-int (solutions)  $(-2, 0), (0, 0), (3, 0)$



# Data Chat Sheet

Depending on the type of formal assessments the students participate in, the teacher can create a table where students can manually input their achievement, and monitor their progress. If possible allowing students to see the average score for each assessment is important so they can have a reference as to where they are at academically when compared to the other students. Also having them manually graph their results using a bar graph is a great visual and teaches them integrate and evaluate content in diverse formats.

Algebra I Data Chats			ESE Code:
Student: Volmar, Judeline	Student ID: 0820946	Grade: 9	
Teacher: Santana & Radica	FSA Math 8 <sup>th</sup> Level:	Scale Score:	ESOL Level: 1 ENT 8/2018

17  
 B  
 U  
 C  
 K  
 E  
 T  
 18  
 18  
 -  
 19

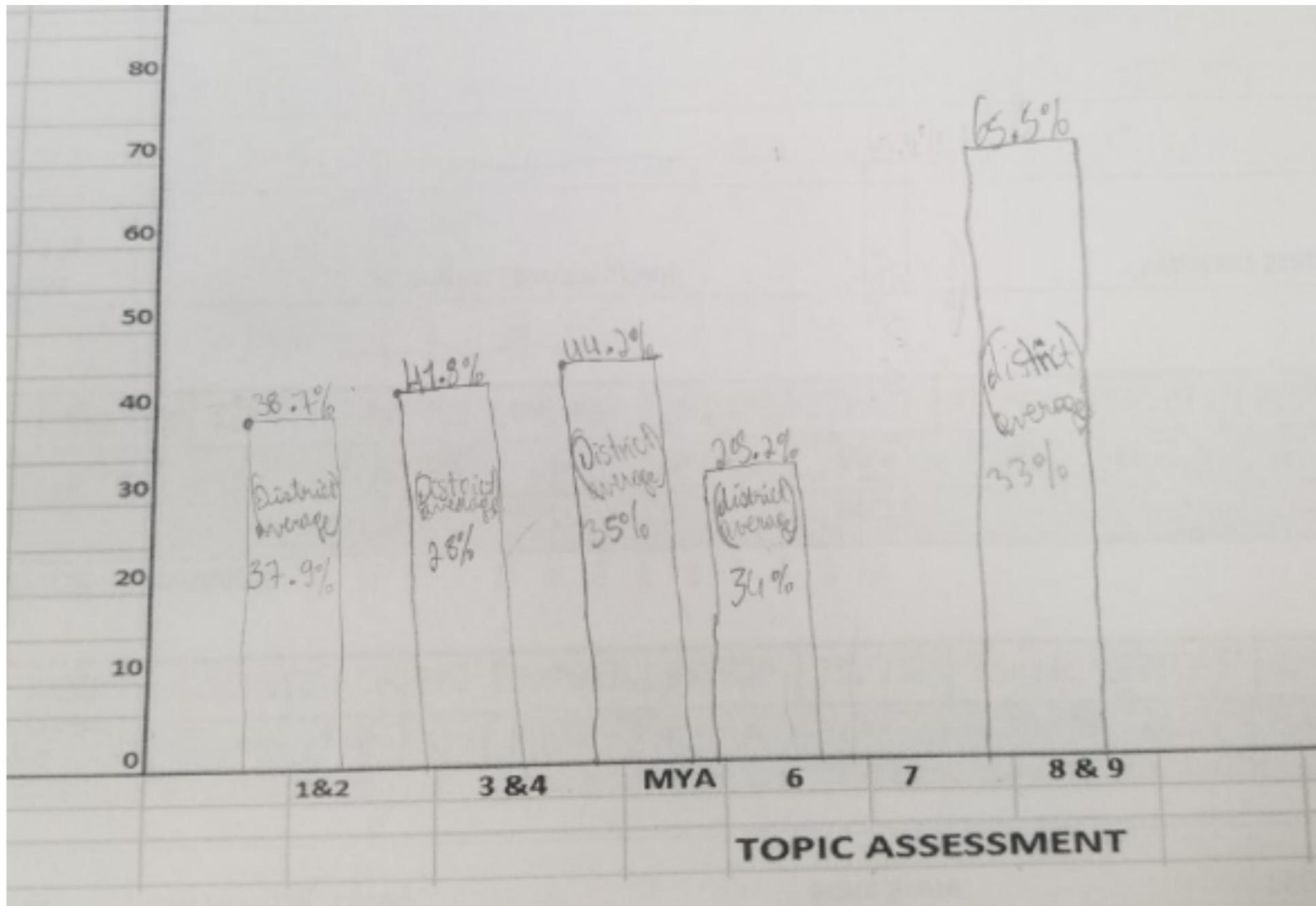
	Level 1				Level 2			Level 3	Level 4	Level 5
	Level 1	Low	Middle	High	Level 2	Low	High			
Grade 8	273-321	273-289	290-305	306-321	322-336	322-329	330-336	337-352	353-364	365-393

**FSA End-of-Course Assessments**

	Level 1				Level 2			Level 3	Level 4	Level 5
	Level 1	Low	Middle	High	Level 2	Low	High			
Algebra 1	425-486	425-445	446-466	467-486	487-496	487-491	492-496	497-517	518-531	532-575

	Percent Correct %	Strongest Standard/Skill	Weakest Standard/Skill
Topic 1/2	38.7%	(Appropriate) Relate a reasonable domain to a graph or table.	recognizing explicit and recursive functions
Topic 3/4	41.9%	Calculate and interpret the average rate of change of a function	interpret the slope and intercept of a linear model in context
Midyear	44.2%	Explain each step when solving an equation using the laws of equality.	Rearrange formulas to solve for a variable. (literal equations)
Topic 6	29.2%	Recognize situations where one quantity changes at a constant rate per unit relative to another.	compare properties of two functions, each represented in a different way (algebraically, graphically, in a table)
Topic 7			
Topic 8/9	65.5%	identifying transformations	interpret key features of graphs on tables and sketch graphs.







term) of a linear model in the context of the data. 2.00 2.00 100.00%

### Item Performance

Item	Correct	PE/PP	Standard(s)
1-1	Correct	1.00/1.00	MAFS.912.F-IF.2.5
1-2	Correct	1.00/1.00	MAFS.912.A-REI.2.3
1-3	Incorrect	0.00/1.00	MAFS.912.F-IF.1.2,MAFS.912.F-IF.2.4
1-4	Incorrect	0.00/1.00	MAFS.912.A-CED.1.1
1-5	Correct	1.00/1.00	MAFS.912.S-ID.3.7
1-6	Correct	1.00/1.00	MAFS.912.F-IF.1.1
1-7	Incorrect	0.00/1.00	MAFS.912.F-IF.2.4
1-8	Incorrect	0.00/1.00	MAFS.912.F-IF.1.2
1-9	Correct	1.00/1.00	MAFS.912.A-CED.1.1
1-10	Incorrect	0.00/1.00	MAFS.912.A-REI.4.12
1-11	Correct	1.00/1.00	MAFS.912.A-REI.2.3
1-12	Incorrect	0.00/1.00	MAFS.912.F-BF.1.1.a
1-13	Correct	1.00/1.00	MAFS.912.A-REI.4.11
1-14	Correct	1.00/1.00	MAFS.912.A-REI.1.1
1-15	Incorrect	0.00/1.00	MAFS.912.F-IF.3.9
1-16	Incorrect	0.00/1.00	MAFS.912.F-IF.1.3
1-17	Incorrect	0.00/1.00	MAFS.912.F-BF.2.3
1-18	Incorrect	0.00/1.00	MAFS.912.A-REI.1.1
1-19	Incorrect	0.00/1.00	MAFS.912.F-IF.2.6
1-20	Correct	2.00/2.00	MAFS.912.F-IF.1.1
1-21	Correct	1.00/1.00	MAFS.912.F-IF.2.5
1-22	Correct	1.00/1.00	MAFS.912.F-LE.1.1.a
2-1	Incorrect	0.00/1.00	MAFS.912.F-IF.3.9
2-2	Correct	1.00/1.00	MAFS.912.F-IF.1.3
2-3	Correct	1.00/1.00	MAFS.912.A-CED.1.1
2-4	Incorrect	0.00/1.00	MAFS.912.F-LE.1.1.b
2-5	Incorrect	0.00/1.00	MAFS.912.F-BF.2.3
2-6	Correct	1.00/1.00	MAFS.912.A-REI.4.10
2-7	Correct	1.00/1.00	MAFS.912.F-IF.2.4
2-8	Correct	1.00/1.00	MAFS.912.F-IF.2.6
2-9	Correct	1.00/1.00	MAFS.912.A-REI.2.3

# Strategies to Help Promote an Effective Mainstreamed Classroom

<http://www.superteachertools.us/spinner/spinner.php?title=Academic+Ownership+and+Intrinsic+Motivation&directions=Click+the+wheel+below+to+spin%3A+Please+describe+in+your+own+words+how+you+would+implement+the+strategy+to+enhance+motivation+and+learning+in+your+classroom+or+school%3F+Feel+free+to+give+examples%21&colorscheme=color5&labels=Challenge+Student%2CBuild+on+Strategies+First%2COffer+Choices%2CProvide+Secure+Classroom%2CManage+Difficult+Tasks%2CRewardPunishment%2CAvoid+Power+Struggles%2CUse+Ambiguity+at+Times%2COpen-Ended+Activities%2CDevelop+Creativity%2CSelf-Evaluation%2CCompetition%2COrganization>



...Secure Classroom%2CManage+Difficult+Tasks%2CRewardPunish  
...Student%2CBuild+on+Strategies+First%2C  
...Power+Struggles%2CUse+Ambiguity+at+Times%2COpen-Ended+Activities  
%2CDevelop+Creativity%2CSelf-Evaluation%2CCompetition%2COrganization



# *Reflection*

menti.com CODE:

What are 3 words that describe an effective mainstreamed classroom?