Utilizing Student Learning, Growth, and Development to Increase Engagement

Presenter: Katie Andreasen

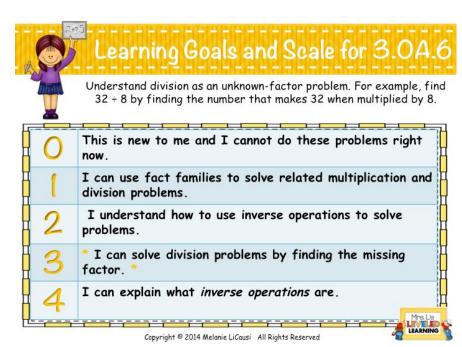
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The Art and Science of Teaching / When Students Track Their Progress

Robert J. Marzano

The strategy of tracking student progress on specific learning goals is well supported. For example, Fuchs and Fuchs¹ found that providing teachers with graphic displays of students' scores on formative assessments was associated with a 26 percentile point gain in achievement. Unfortunately, this strategy has not received the attention it deserves.





Protocol & Feedback

Focus Statement: The teacher facilitates tracking of student progress on one or more learning goals and/or targets using a formative approach to assessment.

Desired Effect: Students understand their current status on the scale and can articulate their progress toward the learning goal.

Example Teacher Evidence:

- · Teacher helps students track their individual progress on the learning goal or target.
- . Teacher uses formal and informal means to assign scores to students on the scale or rubric depicting student status on the learning goal.
- Teacher uses formative data to chart progress of individual and entire class progress on the learning goal.

Example Student Evidence:

- . Students can describe their status relative to the learning goal using the scale or rubric.
- · Students systematically update their status on the learning goal.
- Students take some responsibility for providing evidence in reference to their progress on the scale.
- · Artifacts and data support that students are making progress toward a learning goal.



Scale

	Innovating	Applying	Developing	Beginning	Not Using
Tracking student progress	Adapts and creates new strategies for unique student needs and situations.	Facilitates tracking of student progress using a formative approach to assessment and monitors the extent to which students understand their level of performance.	Facilitates tracking of student progress using a formative approach to assessment.	Uses strategy incorrectly or with parts missing.	Strategy was called for but not exhibited.



Classroom Teacher - Examples

Tracking Student Progress

Current student behavior/learning that I want to see improve as a result of focusing on this target strategy

Currently I track the progress of the entire class on their learning goals. I would like the students to become more involved in their progress as a result of focusing on this target strategy.

Changes in student behavior/learning I expect to see as a result of focusing on this target strategy

I would like the following changes to occur in student behavior/learning as a result of focusing on this target strategy. (1) Students can describe their status relative to the learning goal using the scale or rubric; (2) Students will systematically update their status on the learning goal; (3) I will use formal and informal assessments to assign scores to students depicting their progress so they can rate themselves on the scale accordingly.

State your Growth Goals for this element

By the end of each unit, at least 75% of the students in the 4/5 reading group will be able to describe their status relative to the learning goal by using a scale or rubric.



How will I know if students are progressing toward their goals?

consider whether tracking will be done at the

class level and/or for individual students.

Step 1	Step 2	Step 3	Checklist	Step 1	Step 2	Step 3	Checkli
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	an for how stud				nave completed		
Ci or ar		ial Plan or Unit and data that track, as well	Plan to reflect are relevant as the timing	→ Ir	nave revised pla	ans.	
→ Co	ata to track. onsider whethe le course, unit, a						



- Select or develop a system for tracking.
 - A tracking system can exist in hardcopy or soft-copy format.
 - It should be organized by objective, concept, skill, unit, strand, or student expectation to show progress toward the larger Annual Goal.
- Tailor the tracking system to reflect your style and students' interests.
 - Make it convenient How will the teacher remember to update the tracker? How can it be organized so that it is comprehensible to both the teacher and the students?
 - Make it visible Will students be able to see their progress on a tracking sheet at their desk or an anonymous wall tracker?
 - Make it meaningful Could the teacher incorporate the tracker into an existing classroom theme? How will tracking be introduced to students? How will the teacher invest students?

Step 2

- Determine student progress by collecting data.
 - Some examples of ways to determine student progress include:
 - Formative assessments:

 Checkpoints, Teacher
 Observations of Students,
 Exit Tickets, or Graphic
 Organizers
 - Summative assessments:

 Projects, Essays, Student
 Conferences, End of Unit
 Assessments, EOC/EOY
 Assessments, or
 Performance Tasks
- Organize data into the tracking tool or system.



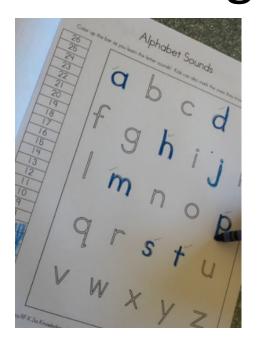
Step 2

- Analyze the data and reflect on trends using the following questions:
 - > Were there items on the assessment that refer to content the teacher has not yet covered?
 - > Which standards covered on the assessment have students mastered?
 - > Are there content and/or skills included on the assessment that the majority of students did not master?
 - Are there content and/or skills included on the assessment that a distinct group of students did not master?
 - Are there specific students who did not show mastery of the majority of the content and/skills on the assessment as a whole?



- Ensure the components of the checklist are used in determining and tracking student progress.
- Take strategic action by modifying future lessons based on data analysis. Consider whether students mastered the objective and adjust plans accordingly.

Kindergarten

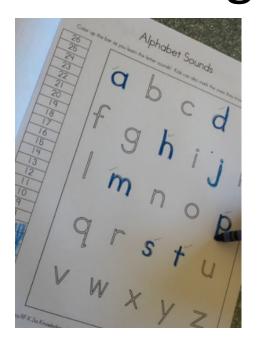








Kindergarten









1st Grade

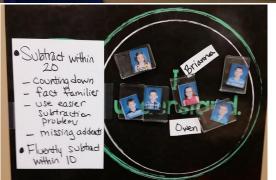
Unit 2

Week 1	ogain	use	there	help	new
Week 2	could	live	one	then	three
Week 3	eat	no	of	under	who
Week 4	all	her	call	want	day
Week 5	around	by	mony	place	walk

Uni	t 3 Week 1
Pretest	Post Test
make	make
take	take
came	came
game	game
gate	gate
late	late
chin	chin
graph	graph
some	some
today	today













1st Grade

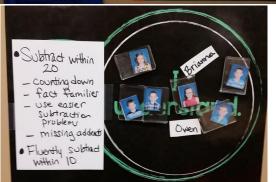
Unit 2

Week 1	again	use	there	help	new
Week 2	could	live	one	then	three
Week 3	eat	no	of	under	who
Week 4	all	her	call	want	day
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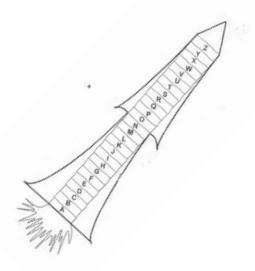








2nd Grade



Spelling Pre-Post Test Growth Unit ____

of problems right	Wee	sk I	We	ek2	We	ek 3	We	ek 4	We	ek5
Number	Pre	Past		Post		Post		Post		Post
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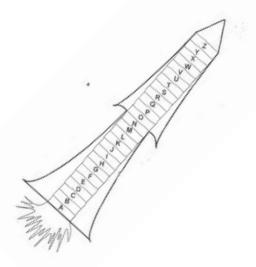
Today I am on:	My Goal is to be on:	Now I am on:
To meet my	goal I will:	
	goal I will: act test in two	o minutes
	act test in two	o minutes
□Complete f □Practice ma	act test in two	

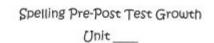


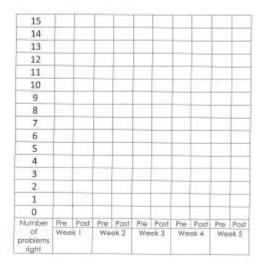




2nd Grade

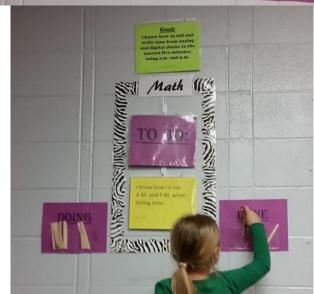






Today I am on:	My Goal is to be on:	Now I am on:
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	act test in two	o minutes
□Complete f	act test in two	



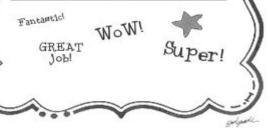




3rd Grade







Third Grade Reading Unit Assessments Pre Tests/Post Tests

Unit	Pre Test Score & Date	Post Test Score & Date	Improvement
	1 2		

XYEARLY GOALS

Date	Goals	Outcome
1		
2		
3		
4		

Netes



(15	19)2
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Dete	Date:	Date:	Date
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Darke) U	Color in your number when you pass and write the date

Daily Target Tracking ELA	SCHOOL Grade 3
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Target:	
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Target:	
Scale Score:	
Target:	
Scale Score:	
Target:	
Scale Score:	



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		1	



3rd Grade







Third Grade Reading Unit Assessments Pre Tests/Post Tests

Unit	Pre Test Score & Date	Post Test Score & Date	Improvement

YTEATRLY GOALS

Date	Goals	Outcome
1		
2		
3		
4		

Netes



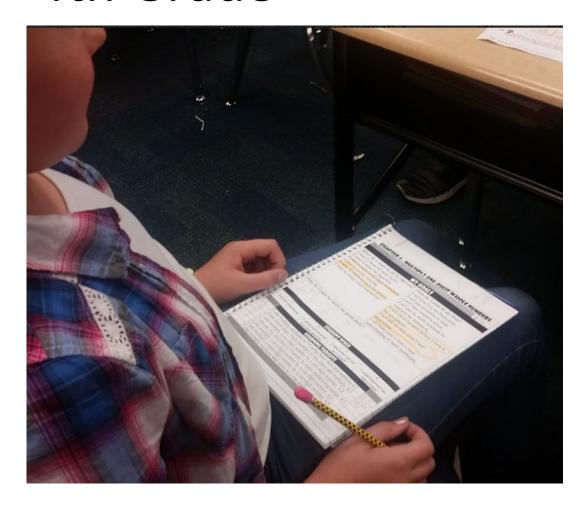
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4	15	6	371
Dete	Date:	Date:	Date
(0	20	191	Time Limit: 1 minute per fact
Date) 2	bote	Color in your number when you pass and write the date

Daily Target Tracking ELA	SCHOOL Grade 3
Target	
Scale Score:	
Target:	
Scale Score:	
Target:	
Scale Score:	
Target:	
Scale Score:	
Target:	
Scale Score:	

SRI	Testin	g Data
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Date	Lexile Level	Title	Score
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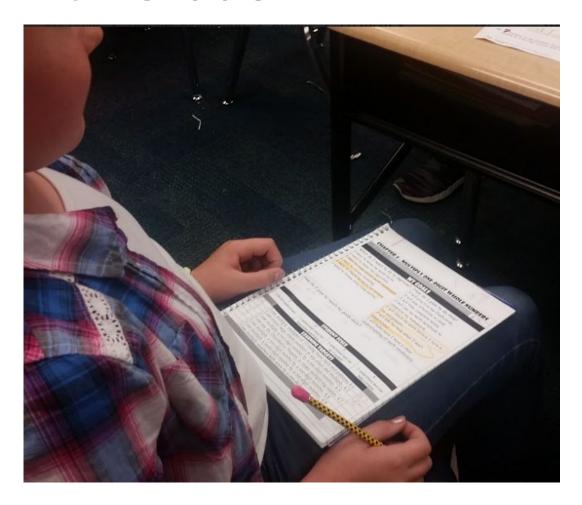
MO SW-PBS & MTSS:		
BRIDGING	THE	GAPS

CHAPTER 6 - DIVIDE WHOLE NUMBERS	
Pre-Test Score	
My Progress Goal for the Post Test	
My Personal Goal for the Post Test	

MYC	OALS
What do I need to do to improve?	How do I plan to do this?
I need to know my math facts.	I will practice my flashcards.
I need to know the algorithm.	I will pay attention in class.
I need to understand math vocabulary.	I will take complete notes.
I need to review rounding.	I will use my math notebook to
I need to check my work for errors.	complete my homework.
I need to follow directions better.	I will check my work before I turn in
I need to understand math properties.	my assignment.
	I will ask for help when I don't
	understand.
	I will make sure I have a clear understanding of math vocabulary.

How do I plan to reach my goals daily?

		STUDEN	T SCALE		
1 2 3 4 I do not understand I understand some but I understand and can I understand		4 I understand help a fri			
Scale		LEARNING	TARGETS		Score
	I can use basi	c facts and patterns to divi	de mentally. 6.1		
	I can estimate value. 6.2	quotients, using compatib	le numbers, basic facts, a	ind place	
	I can divide with remainders and check using multiplication and addition. 6.5 I can interpret what the remainder means in the context of a division problem.6.6				
	I can determin	e where to place the first of	ligit when dividing, 6.7		
	I can use the [Distributive Property and p	artial quotients to divide.	3.8	1000
	I can solve div	ision problems with greate	r numbers. 6.9		
	I can solve division problems that result in quotients that have zeros. 6.10				
Post-7	Test Score	59 SERVE	The Salts		
Did y	ou meet you	ir Progress Goal?	The same will be a second	1.6 %	
Did ye	ou meet you	ir Personal Goal?			



MO SW-PBS & MTSS:		
BRIDGING	THE	GAPS

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Pre-Test Score		
My Progress Goal for the Post Test		
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I need to check my work for errors.	complete my homework.			
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	I will ask for help when I don't understand.			
	I will make sure I have a clear			

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I do n	1 ot understand	2 I understand some but have some questions	3 I understand and can do it myself	4 I understand help a fri		
Scale		LEARNING	TARGETS		Score	
	I can use basi	c facts and patterns to divi	de mentally. 6.1			
	I can estimate value. 6.2	quotients, using compatib	le numbers, basic facts, a	ind place		
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	I can interpret	what the remainder means	s in the context of a divisi	on problem.6.6	1,300	
	I can determin	e where to place the first of	ligit when dividing, 6,7			
	I can use the [Distributive Property and p	artial quotients to divide.	3.8	100	
	I can solve div	ision problems with greate	r numbers. 6.9			
	I can solve div	ision problems that result i	n quotients that have zero	os. 6.10		
Post-	Test Score	59 SERVE				
Did y	ou meet you	ir Progress Goal?	The same will be a second	186		
Did y	ou meet you	ir Personal Goal?				



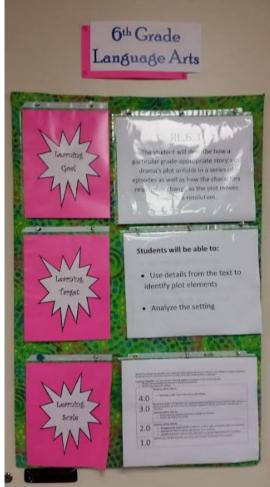
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	5th grade Math Pretest Score Post test Score Ch. 5 Add and Subtract Decimals
_	Learning Goal(s) The student will be able to Identify the place value position of a digit and round decimals to any place (5.NBT.4) Add and subtract decimals through the hundredths place (5.NBT.7) Scale
Scor	e Goal
4.0	More complex learning goal: Students will In addition to score a 3.0 performance, the student will demonstrate in-depth inferences and applications that go beyond what was taught, and explain how to determine whether your estimate is an overestimate or underestimate, find the difference of a whole number and a decimal, and solve a real-world problem with decimals.
3.0	Scale Score 1. Identify the place value of a digit and round to a particular place. 2. Estimate sums and differences of numbers by rounding the numbers to a particular place value. 3. Determine whether to use an estimate or exact answer to solve word problems involving decimals. 4. Line up the decimal points and add/subtract digits in the same place value position to find the sum and difference. 5. Use properties of addition to add decimals mentally.
2.0	Simpler learning goal: Students will Identify the decimal place value of a digit Round whole numbers Find the exact answer in word problems Add and subtract decimals with the same number of digits Recognize the properties of addition
1.0	With help, partial success at score 2.0 content and score 3.0 content



MO SW-PBS & MTSS:		
BRIDGING	THE	GAPS

	5th grade Math Pretest Score Post test Score Ch. 5 Add and Subtract Decimals
	Learning Goal(s) The student will be able to Identify the place value position of a digit and round decimals to any place (5.NBT.4) Add and subtract decimals through the hundredths place (5.NBT.7) Scale
Sco	e Goal
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1.0	Round whole numbers Find the exact answer in word problems Add and subtract decimals with the same number of digits



BRIDGING THE GAPS

Use details from the text to		not understand	I can complete with some help	I can complete on my own	I can teach another	
Terget identify plot elements	Scale	Scale LEARNING TARGETS Sca			Score	
Analyze the setting		5.1 use integers to	o represent real-world situations			
	•	5.2 find the absol	ute value of an integer			
Section 1 Control of the Control of		5.3 compare and a	order integers			
the side of the si		5.4 express positi	ve and negative fractions as deci	mals		
4.0 seems and the state of the		5.5 compare and a	order rational numbers			
3.0	Post-Te	est Score:				
1.0	Goal Re	flections:				
	-					

Chapter 5 - Integers

How do I plan to reach my goals daily?

My Test Score Goal:

What do I need to improve?

Pre-Test Score _____ Mid Chapter Quiz _

How do I plan to do this?

Understand that positive & negative numbers are used together to describe quantities having opposite directions or values (6.NS.5) Understand a

Student Scale

rational number as a point on a number line. (6.N5.6) Recognize opposite signs of numbers as indicating locations on opposite side of zero on the number line; recognize the opposite of the opposite of a number is itself. Understand ordering and absolute value of rational numbers (6.N5.7).

MY GOALS



-		MY GO	DALS		
	What do I ne	ed to improve?	How do I plo	an to do this?	
łow do I	I plan to reach my go	als daily?			
Ay Test	Score Goal:				
		Student	Scale		
т	1 o not understand	I can complete with some help	3 I can complete on my own	4 I can teach anothe	r student
Scale	o not understand	LEARNING		I can reach anome.	Score
	5.1 use integers to	represent real-world situations			
	5.2 find the absolu	ite value of an integer			
	5.3 compare and o	rder integers			
	5.4 express positiv	ve and negative fractions as deci	mals		
	5.5 compare and o	rder rational numbers			
ost-Ta	est Score:				

Chapter 5 - Integers

Pre-Test Score _____ Mid Chapter Quiz _

BRIDGING THE GAPS



Name:

Chapter Test	Pre-test score	Goals	Post-test- score	
			ů.	
		How can I achieve	my goa	ıls?
		*Practice vocabulary	, flashcard	s
		*I will pay attention		
	*I will take complete notes			
£.		*I will take my book hon my homewo		plete
		I will check my work bet assignmen		in my
		*I will ask for help w understan		't
		*I won't talk while th teaching	e teacher	is
		*I will actively partici	pate in cla	SS
		*I will study at home, n	ot just in o	class





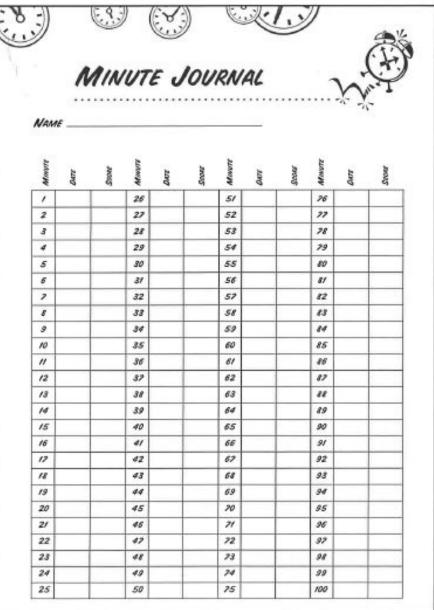
Name:

Chapter Test	Pre-test score	Goals	Post-test- score	
- 3			N .	
		How can I achieve	my goals?	
	-,	*D	. flack as ada	
		*Practice vocabulary		
		*I will pay attention		
		*I will take complete notes		
		*I will take my book hor my homew		
		I will check my work be assignmen		
		*I will ask for help w understan		
		*I won't talk while th teaching		
		*I will actively partici	pate in class	
		*I will study at home, n	900 000 80	



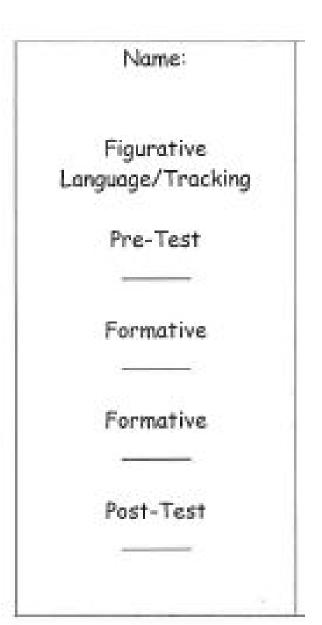


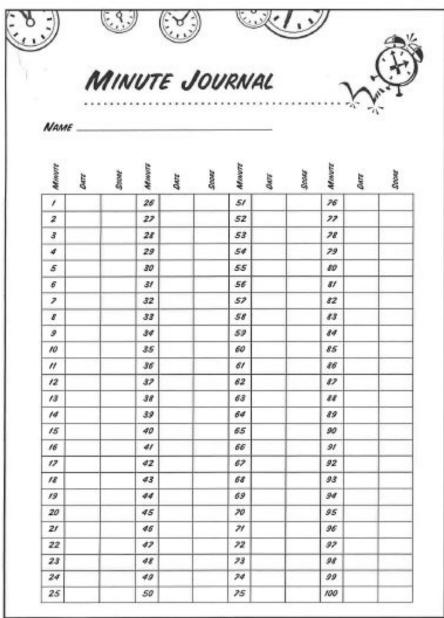
Name: Figurative Language/Tracking Pre-Test Formative Formative. Post-Test



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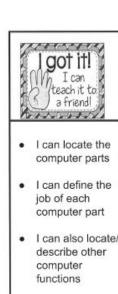






Goods Malk Mouse C 2007 Creditor







 I can locate the I can locate computer parts

job of each

 I can define the I need help computer part to define the job of each computer part

Computer parts

need a



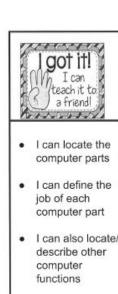
- I need help to locate the computer parts
- · I need help to define the job of each computer part













 I can locate the I can locate computer parts

job of each

 I can define the I need help computer part to define the job of each computer part

Computer parts

need a



- I need help to locate the computer parts
- · I need help to define the job of each computer part







Barriers:

- Establishing Learning Goals and Targets is a long process if you do not already have them in place
 - Aligned to Missouri Learning Standards
 - The most important standards students must know to move to the next grade
 - Finding a way to communicate them to students in a way that they can understand



Barriers:

- Establishing a system for tracking student progress can be difficult
 - It must work for the teacher and students
 - Time efficient
 - Must be simple and easy
 - Often looks different in every classroom



Barriers:

- It is hard to take on all the content areas at once in elementary or in the upper grades multiple preps
 - Work on one subject/prep per year
 - In the elementary teachers have found it best to start with math
 - ELA can be cumbersome



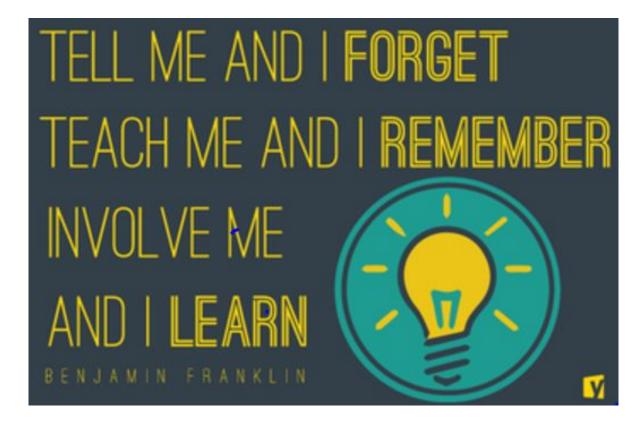
Tie to PBS

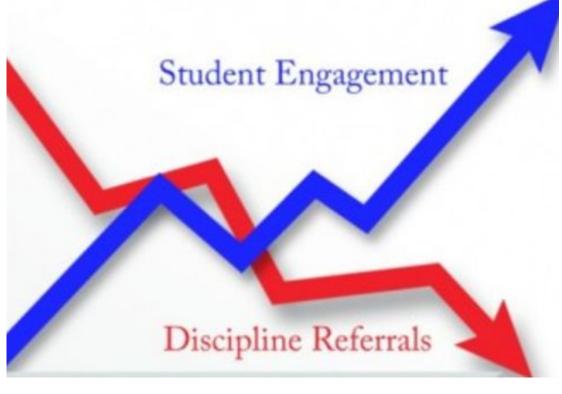
Effective Classroom Practices

- 1. Clearly Defined Expectations & Rules
- Clearly Defined Procedures & Routines
- 3. Continuum of Strategies to Acknowledge Appropriate
- 4. Continuum of Strategies to Respond to Inappropriate
- 5. Active Supervision
- 6. Multiple Opportunities to Respond
- 7. Activity Sequence & Offering Choice
- 8. Academic Success & Task Difficulty



Link to PBS







This is my first year teaching Title. I was afraid that teaching a scripted program would hinder performance and engagement. However, with utilizing 'to-do, doing', done' charts each day, the students are excited to move their goals (written on post-its) from one piece to the next. They love it when they are 'done' with a particular goal and can move it to the wall-of-fame. The first graders are competing with the second graders to see how many chunks they can complete during our course together.



When students track their own progress in my classroom, they become more vested in their learning. They feel accomplished with their progress which encourages them to keep working hard and trying to improve. They can see their improvement and know their hard work is making a difference in their learning.



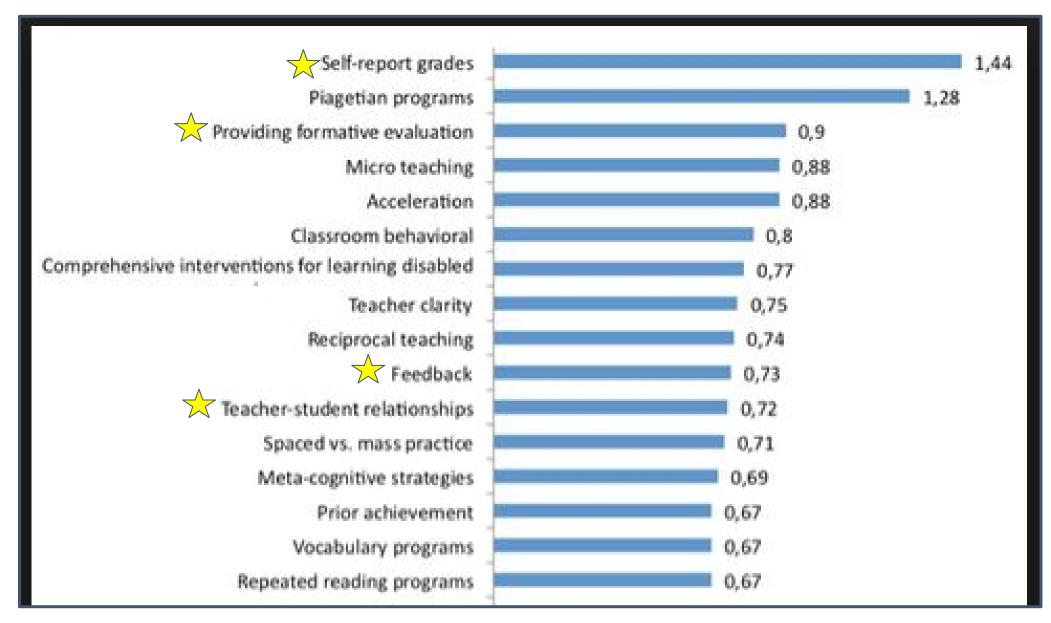
Benefits for All

When it comes to using classroom assessment to enhance student achievement, having students track their progress using rubrics is a hidden gem. This strategy involves multiple types of assessments, increases interactions between teachers and students, and provides students with clear guidance on how to enhance their learning.

John Hattie, Visible Learning, Effect Size on Student Learning









Resources

https://graniteschools.instructure.com/courses/1118234/pages/tracking-student-progress

https://www.palmbeachschools.org/staffdev/trackingstudentprogress/

https://www.youtube.com/watch?v=CKD4SKKJs8A





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