



Change 7/8 to a decimal. 7.8

F in Exams Expand 2(x + y)2 (x+y) 2(x+y) 2 (x + y) 2 (x + y)

Upon ascending the throne the first thing Queen Elizabeth II did was to . . .

sit down

F in Exams Why was the Berlin Wall built? Germany was competing with China.

F in Exams What were the circumstances of Julius Caesar's death? Suspicious ones



What scale do seismologists use to measure the force of earthquakes? A very strong one (not glass),

F in Exams Adam cuts his arm. Blood gushes out and is red in color. What does this show? He is not a robot, his a real boy!



Fin Exams The road to success is always under construction. –LILY TOMLIN, actress















"What Matters Very Much is Which Classroom?" "If a student is in one of the most effective classrooms, he/ she will learn in 6 months what those in an average classroom will take a year to learn. And if a student is in one of the least effective classrooms in that school, the same amount of learning takes 2 years."



Deborah Loewenberg Ball, Dean of Education, University of Michigan

School and District Leadership not only matters, but also has a direct correlation and measureable effect on student achievement!





















ROUTINE SEGMENTS

- Component 1.1 (Goals/Scales)
- Component 1.2 (Celebrate Success)
- Component 5.1 (Organizing the Classroom)
- Component 5.2 (Rules/Procedures)
- Component 6.3 (Tracking Student Progress)

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Did you list any of these?

- Attention and Refocus Signal
- Transition Signal
- Strategies to group and re-group learners
- Bell ringers or sponge activities

Age = Attention Span

- Change of state for the learner is needed...
- Tops out at 18-20 minutes...
- Adult learners need change also...





Transition Signal....

- So they know for sure when you want them to move...
- Mine will be: When I say "GO"









Across the Room Partners...

 Groups of 2 or 3 with people not sitting near you in the room.

Cross-town Buddies

Blind Date



Elbow Partners....

- Groups of 2 or 3 to your left and/or right...
- You could elbow them...but please don't
- Stand when working with elbow partners

Speed Date Discussions

- 1 minute discussion (group of 2 or 3)
- 10 seconds find new partners
- 1 minute discussion....
- Repeat as needed…



Schedule learning appointments with groups of 2 or 3.

 Record your appointments so you remember who you are meeting with.

One:	Topic:
Two:	Topic:
Three:	Topic:





Additional Ideas...

 What problems of practice can you address by implementing a classroom routines or procedure?



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Teacher will: Be creative and allow creativity • Have engaging texts • Allow student directed discussion/collaboration • Accept multiple interpretations • Have fun • Help students connect and understand • Show Respect	Students will: • Stay focused • Produce Quality Work • Show Respect • Be Diligent • Participate • Don't press up against the door before bell rings • Trust • Be honest • Be on time • Turn in work on time • Tyn hard • Aim high – for a 4 or 5
 Offer tutorials Be specific in feedback Motivate us Meet us at our level 	Be kind to each other in class Agree on the path Buy in and believe

What to say instead	of "I Don't Know"
• May I please have some more information?	• May I consult an expert? (use the text/notes or ask additional questions)
• May I have some more time to think?	• May I ask a friend for help?
• Would you please repeat the question?	• May I poll the class?
• Where could I find information about that?	May I have a clue or fifty- fifty?

























For eac	ch area of te	acher ex	pertise:
Distinguished 4	Proficient 3	Basic 2	Unsatisfactory 1
Adapts and creates new approaches to the strategies for unique student needs and situations	Uses the strategies; monitors effects on students; adjusts to achieve desired outcome	Uses the strategies in this area of teacher expertise	Uses strategies incorrectly or with aspects missing
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Students come with unique gaps in their abilities and previous learning.

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Discussion Topic What does it mean to have a guaranteed and viable curriculum?

What's a guaranteed and viable curriculum?

- A "guaranteed" curriculum means that we ensure it is taught in every classroom teaching the same course.
- Examples:
- All English I classes have the same essential learning targets identified.
- All Biology classes have the same essential learning targets identified.
- The Algebra I story....

Viable Curriculum

- Viable means we are able to teach the curriculum **for understanding** in the time available.
- Teach for understanding....







What are the criteria for essential? Endurance (Will this provide knowledge and st

- Endurance (Will this provide knowledge and skills that will be of value beyond a single test date?)
- Leverage (Will this provide knowledge and skills that will be of value in multiple disciplines?)
- Inquiry, critical thinking, inferences, problem solving
- Readiness for next level of learning (Will this provide students will the "tools" they need for success at the next level or grade.)
 - Reeves, D. Cited in Ainsworth, L. (2003). "Unwrapping" the Standards. Englewood, CO. Advanced Learning Press.

Essential Learning Target Matrix					
Standard	Endurance = 1	Leverage = 1	Readiness = 1	State Tested = 1	National Tested = 1
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Essential Learning Target Matrix					
Standard	Endurance = 1	Leverage = 1	Readiness = 1	State Tested = 1	National Tested = 1
Explain the steps of the scientific method.	1	1	1	1	1
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Using the Matrix...

- PLCs and/or Departments
- Discuss the standards, use the matrix.
- Not everything will make the list....





James Baldwin





Talk a Mile a Minute

- Students are given a list of terms that have been organized into categories.
- Each team designates a talker.
- The talker tries to get the team to say each of the words by quickly describing them.
- The talker is allowed to say anything about the terms while talking but may not use any words in the category title or any rhyming words.
- The talker keeps talking until the team members identify all terms in the category.
- If members of the team are having difficulty with a particular term, the talker skips it and comes back to it later.













Organize learning goals into a scale

- Advanced = 4.0 More complex learning goal
 Above and beyond the target goal
- Proficient = 3.0 target learning goal

At the level identified in the standards

- Progressing = 2.0 simple learning goal
- Foundational knowledge needed to reach level 3

	Basic Proficiency Scale
4	In addition to exhibiting level-3 performance, in-depth inferences and applications that go BEYOND level 3.
3	The Learning Goal: What you expect the student to know and be able to do to be considered proficient.
2	The simpler or foundational knowledge that is necessary as a step to mastery of the score 3.0 INCLUDES CRITICAL CONTENT VOCABULARY HERE
1	With HELP, a partial knowledge of some of the simpler and complex details and processes
0	Even with help, no understanding or skill demonstrated

	Proficiency Scales				
	Level 1 Beginning	Level 2 Progressing	Level 3 Proficient	Level 4 Advanced	
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Basic Scale Includ	les:
Advanced or 4	Application of the knowledge and skills to new and novel situations.
Proficient or 3	The learning goal at the level required in the standards.
Progressing or 2	Key vocabulary terms. Basic understandings or fundamental skills,

Advanced	Apply the knowledge to a business scenario and provide written rationale for your decision.
Proficient	Explain the advantages and disadvantages of three types of business ownership.
Progressing	Know Key Vocabulary:
	Sole-Proprietorship, Partnership, Corporation
	Describe the concepts of profit and liability.



	Atmospheric Processes and Water Cycle
4	Infer relationships regarding atmospheric processes and the water cycle.
3	An explanation of: • How the water cycle processes impact climate changes • The effects of temperature and pressure in different layers of Earth's atmosphere
2	Recognize and recall basic terms such as: climatic patterns, atmospheric layers, stratosphere, troposphere. Recognize or recall isolated details such as: Precipitation is one of the processes of the water cycle. The troposphere is one of the lowest portions of the Earth's atmosphere.









Consider having students flesh out the meaning of the scale.









PLC Question # 2

• How will we know if our student's have learned what we want them to learn?













Lead directly to learning....









Pick a password



Provides Samples to Select				
Marzano Research Laboratory Fowered by Solution Tree Search Documents Search Criteria Users Logout				
Search Results				
Searching Scales Subject : Helds Kayword: None entered	dick here is start new search			
Name Similarities and Difference	Criteria Grade/Level (K) es Meth Number - Base Ten (Adding and Subtracting in Base Ten)			
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Proportions (duplicate)	Grade /Level (II) Maths and Propertional Relationships (Proportions)			
Mathematics-K-4-Final 26.pdf	Grade/Level (1) Math Number - Operations and the Problems They Solve (Composing and Decomposing Numbers)			
Vicual Laws of Exponents	Grade/Level (8) Math Number - Operations and the Problems They Solve (Properties of Multiplication and Division)			
Filter Proportions	Grode/Level (8) Natio Ratios and Proportional Relationships (Proportions)			
Parallel and Perpendicular Lines				
View Parallel and Perpendicular Lines#2				
Mathematics-K-4-Pinal 12 pdf	Grade/Ravel (K) Marth Algebra - Expressions and Equations (Expressions)			
Mathematica K-4 Final	Grade/Level (X)			







Now, you can more accurately connect assessment items or **opportunities** to the scale = construct validity.



- Level 2 items: Simpler details and processes that have been explicitly taught
- Level 3 items: Complex ideas and processes that have been explicitly taught
- Level 4 items: Inferences and applications that go beyond what was taught







Level 3.0 Items for Measuring Atmospheric Processes and Water Cycle

- Explain how evaporation affects the climatic pattern in areas around large bodies of water, like the shoreline communities of Lake Michigan.
- Assume that a weather balloon traveled up into the stratosphere. Explain what would happen as it progresses through the various layers of the atmosphere.

Level 4.0 Item for Science Test on Atmospheric Processes and Water Cycle Complete the following analogy and explain why it is accurate: Condensation is to evaporation as _______is to ______, because... **COMPONENT SEGMENTS**Component 1.1 (Goals/Scales)
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Occurs formally and informally Occurs formally and informally Empowers teachers to provide valuable feedback.





Type of Feedback	Number of Studies	% Student Achievement Gain or Loss
Right or Wrong	6	
Teacher provides correct answers	39	
Students understanding assessment criteria vs. not understanding	30	
Teacher explains feedback	9	
Student reassessed until correct	4	

An interesting finding....(Carless, 2006)

- Asked students and teachers whether teachers provided detailed feedback that helped students improve their next assignments...
- 70% teachers claimed they provided such detailed feedback often or always
- 45% of students agreed with their teachers' claims





New app aims to turn Facebook into a study tool The Facebook application Hoot.me diverts students away from their wall and news feed and asks them, "What are you working on?" It then connects students with live group-study sessions on their chosen topic. We wanted to know so we asked the question:



Robert Marzano

Educational Leadership, March 2007

























Having Students Chart Their Progress on Learning Goals 14 experimental-control studies conducted at Marzano Research Laboratory In research to date, this practice is associated with a 32-percentile point gain in student achievement.













Scale for Effort and Preparation			
Score 4.0	To be sure I accomplish my goal, I'm trying harder and preparing more than I think is necessary.		
Score 3.0	I'm trying hard enough and preparing well enough to accomplish my goal.		
Score 2.0	I'm trying hard but not preparing as well as I could.		
Score 1.0	I'm not trying very hard or preparing very well.		
Score 0.0	I'm not really trying or preparing at all.		
ezano Research Laboratory wered by Solution Thee cutting-edge research	concrete strategies sustainable success		



H.S. History Teacher St. Louis

- Tracks student progress academically as correlated to preparation.
- Homework, test review guide, essay outline
- Completed all three = Ave grade on test

ROUTINE SEGMENTS

Component 5.1 (Organizing the Classroom)

Component 6.3 (Tracking Student Progress)

- Completed two = Ave grade on test
- Completed one = Ave grade on test
- Complete non = Ave grade on test

Component 1.1 (Goals/Scales)

Component 1.2 (Celebrate Success)

Component 5.2 (Rules/Procedures)

What has he found???

- Usually 30 points or more difference in the test between most and least prepared.
- Kids are shocked first time or two and many begin to prepare better.
- Makes excellent data for parent teacher conferences.

Group discussion...

- How do you track student progress?
- What informal and formal methods do you use for formative assessment?

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Discussion.... • What do you do to celebrate the success of your learners?











Little things....Big differences.... • ATLAS program celebrations • High school students not on track to graduate...some had dropped out once.







