

Assessment Strategies That Motivate Kids and Help Them Learn

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Foreword by Ken O'Connor











Figure 1.1 Effect of a Zero Score on the Final Average (Example 1)				
Scores Scores				
78	78			
71	71			
74	0			
68	68			
81	81			
Final Average	Final Average			
74.4	59.6			

Figure 1.2 Effect of a Zero Score on the Final Average (Example 2)

Successfu	ll Serves (Out of 10)
March 1:	0
March 2:	0
March 3:	0
March 4:	2
March 5:	3
March 8:	5
March 9:	7
March 10:	8
March 11:	8
March 12:	9
Average:	4.2/10

Date:
heavy course load
\Box social event(s)
club or group event out of school
□ other
use of planner
\Box help with time management
Counselor visit
other

Figure 1.4 Number of Course Failures Before, During, and After Implementation of "No Zeros" Policy and Additional Supports

Year	Term 1	Term 2	Term 3	Term 4	Final
2004–2005	292	334	321	300	192
2005–2006	215	272	265	291	118
2006–2007	160	198	193	248	104
2007–2008	5	33	40	53	36

Data compiled by Terry Grady.

lame:			Class:			
Section	iection Prescribed Topic Learning Outcome		Homework Support List all homework that will assist you in understanding the topic.	Check Off If Complete		
2.1	D1-D5	Dynamic Equilibrium				
2.2	D4, D6	Characteristics of Equilibrium				
2.3	D7–D9	Spontaneous or Non-spontaneous	Worksheet 2-1			
2.4	E1E4	LCP (LeChatelier's Principle)				
2.5	E5	Haber Process	Worksheet 2-2			
2.6	F1-F3	Keq				
2.7	F4	LCP and Keq				
2.8	F5F8	ICE tables	Worksheet 2-3			

ame:		Class:			
Use this form to keep track of your scores on quizzes and unit tests. Be sure to note the specific concepts that you need to review following a quiz or test.					
Quiz/Test	Score	Concepts to Review			
Sec 2.1–2.3					
Re-Quiz Sec 2.1–2.3					
Sec 2.4–2.5					
Re-Quiz Sec 2.4–2.5					
Sec 2.6–2.8					
Re-Quiz Sec 2.6–2.8					
Chapter 2 Test					
Chapter 2 Detect					

Figure 2.3 Homework-Completion Rates Versus Test Results: The 9 Categories

Category 1: Homework Good/Tests Good

Students who fall into this category generally have learned to do their homework well. They practice their skills at home and are therefore prepared for tests. These students need to continue doing what they're doing.

Category 2: Homework Good/Tests Satisfactory

Students who fall into this category generally try to do most of their homework but either don't ask for help on difficult questions or don't make connections to similar types of questions on tests. They often miss details, gloss over instructions, finish their tests hastily, and make simple mistakes, resulting in test scores that are lower than desired.

Category 3: Homework Good/Tests Poor

Students who fall into this category generally try to complete their homework because they know it needs to be done, but often must rely on notes, classmates, or the teacher to complete it. They tend not go over the homework questions on their own to check for understanding. Some students do not check the answers against the textbook or answer key to make sure they are doing the work correctly. Students in this category are often very anxious about tests and find it hard to communicate what they know on paper. These students need to find a more efficient way to complete their homework while checking for understanding.

Category 4: Homework Satisfactory/Tests Good

Students who fall into this category generally do as much homework as they have time for in class, or do the work necessary to do well on a test. These students often do not have to practice a lot to learn the material well—they tend to learn easily and make connections without extra practice. Students in this category need to be aware that they are responsible for deciding how much homework practice they need to maintain high grades. Such a choice requires sophisticated reasoning.

Category 5: Homework Satisfactory/ Tests Satisfactory

Students who fall into this category generally do as much homework as they have time for in class. Often, they do not answer the last few questions on a given assignment. When students cannot answer questions themselves, they often do not ask for help. These are usually the higher-level thinking questions, and students in this category tend not to answer those correctly on tests. For most students in this category, if they were to complete their homework and ask for help, their test scores would probably improve.

Category 6: Homework Satisfactory/Tests Poor

As with Category 5, students who fall into this category generally do as much homework as they have time for in class, do not answer the last few questions on a given assignment, and tend not to ask for help. Some students answer all the questions but do not check for accuracy. Most students in this category need to apply more effort to answering more questions correctly. It is important for them to focus on what they do and do not know and to ask for help whenever they need it.

Category 7: Homework Poor/Tests Good

Students who fall into this category generally only work on their assignments in class. Their work is often scattered, lost, or completed at random. These students often learn easily and need very little practice; they draw connections during classroom lessons. They often make wise choices about whether or not homework practice will benefit their understanding. Some students do not use class time wisely and are lucky to catch on easily. Students in this category who wish to improve their homework grades need to focus on the details of the concepts being taught.

Category 8: Homework Poor/Tests Satisfactory

Students who fall into this category generally do not use class time wisely to complete their work. They often do not like to take work home, and stop when they get frustrated. Many of them are fine with a satisfactory result, as they are not willing to put forth extra effort. If these students were to complete more of their homework, their test scores would improve. Effort is the key.

Category 9: Homework Poor/Tests Poor

Students who fall into this category generally do not use class time wisely, do not have a habit of completing work, and do not make connections quickly. These are normally the students who need to focus more in class and ask questions about every assignment. More effort and more daily quality work would start to improve their grades and give them added confidence. These students need extra help to make connections every day; they are often students who have struggled throughout their time in school and who have gaps in their background knowledge. Sometimes outside factors contribute to their poor grades. These factors need to be addressed so that students can better concentrate on their work.

Figure 2.4 In-School Suspension (ISS) Form

Please fill in all of the applicable fields following the enactment of an In-School Suspension (ISS). Be sure to indicate who has received this e-mail using the last table on this form.

Student name:

Dates of suspension:

Grade:

Administrator in charge of suspension:

Location of ISS

Room 118 Learning Center (Ms. Smith)
Room 127 Learning Center (Mr. Lennon)
Room 133 Junior Alternative (Ms. Sanchez)
Room 210 Senior Alternative (Mr. Anders)
Room 300 Counseling
Main Office Area
Other:

E-Mail Checklist

ISS Distribution List: Administrators, counselors, lunch monitor, ISS teacher(s), clerical staff
Ms. Tracey (youth worker)
Mr. Sloan (drug and alcohol intervention)
All classroom teachers of the ISS student

Thank you for your support,

The ISS Team

Source: Courtesy Doug Scotchburn. Used with permission.

Figure 3.1 Factors and Multiples Unit Plan

Name: ____

Teacher:

Will breaking a number into factors help me solve a problem? What do factors and multiples of numbers tell me about a situation?

Knowledge	1. I can explain the difference between a factor and a multiple.
Targets "What do	2. I can identify factors of a positive integer. 6.1E
I need to know?"	3. I can identify common factors and the greatest common factor (GCF) of two or more positive integers. 6.1E
	4. I can identify multiples of a positive integer. 6.1F
	 I can identify common multiples and the least common multiple (LCM) of two or more positive integers. 6.1F
	6. I can identify a set of positive integers. 6.1F
Skill Targets	7. I can solve real-life problems that require using LCM or GCF.
"What can I demonstrate?"	8. I can use multiplication of whole numbers to solve problems including situations involv- ing equivalent ratios and rates. 6.2C
	9. I can use division of whole numbers to solve problems including situations involving equivalent ratios and rates. 6.2C

Every composite number has a unique "fingerprint" an expression as a product of prime numbers unique only to that number, regardless of order of the factors.

What is my academic goal for this unit?

Summative Assessments:

1	2	3	4
Just starting, Insufficient	Yes, but , Minimal	Yes, Proficient	WOW! Excellent
Less than 60% accurate	Between 60 and 74% accurate	Between 75 and 89% accurate	90% or greater
Not able to explain math	Able to show process,	Able to both explain	Able to explain key
process or explain key	but not able to identify/	process and identify/	math points accurately
math points	explain key math points	explain key math points	in a variety of problems

(cont.)

Learning Target	Assignment	Target/Goal	Your Rubric Score	Met Standard/ Target?

Source: Karl Koehler, Atascocita Middle School, Humble, Texas. Used with permission.



Source: Courtesy Chris Bradley. Used with permission.

Figure 4.1 Sample Tracking Sheet for Test

Name: Jon Black

Date: April 3, 2010

Торіс	Value	Score	%	Retest? (√)
The United States in the 1920s	11	8	73%	
Causes of the Depression	4	1	25%	
Roosevelt's efforts to end the Depression	5	1	20%	
Reactions to Roosevelt's New Deal	7	7	100%	
The end of the Depression	6	4	67%	
Total	33	23	70%	

Total points: <u>23</u> out of 33 Overall test score: <u>70%</u>

UNIT TERMS:

□ I DID complete all of the terms for this unit on either cards or sheets.

 \blacksquare I did NOT complete either the cards or the term list for this unit.

Reason: I didn't think I needed to; I felt prepared.

PREPARATION:

What **overall grade** (percentage or letter) am I hoping to achieve in this course? <u>85</u>%

□ I did all that I could to achieve my goal in preparing for this test.

I can make the following adjustments to increase my grade:



✓ make a practice quiz to test myself

Figure 4.2 Student Feedback on Retesting 5. Did it make a difference to you knowing that you could rewrite sections where you did not do so well? 🗆 no Explain Explain because its easier than doing the hole test 5. Did it make a difference to you knowing that you could rewrite sections where you did not do so well? ves \square no essay and vould like to reruite it porobally Explain 5. Did it make a difference to you knowing that you could rewrite sections where you did not do so well? ves no no Explain That if you do bad on one section you cand redeve it so I felt more cofendent

ame:	Date:	
ocus:	Medium/Delivery:	
What I am learning	How I will show I have le	arned it
Learning Outcome	Medium/Method	Details and/or Elements Covered
Compare the nature of democratic and totalitar - ian states & their impact on individuals.		
 Explain the rise to power of Hitler and National Socialism with reference to conditions that generated support for Nazism. Hitler's actions and policies. 		
Identify the causes of the outbreak of World War II in Europe and the Pacific.		
 Explain the significance of key military events in World War II, including BATTLE OF BRITAIN. attack on PEARL HARBOR. EL ALAMEIN. BATTLE OF MIDWAY. BATTLE OF STALINGRAD. NORMANDY LANDINGS. bombing of HIROSHIMA. 		
Explain how World War II resulted in a realign- ment of world power.		
Describe the impact of "total war."		
Describe the significance of technology developed prior to and during World War II.		
Assess the impact of mass communications on political and military events prior to and during World War II.		
Evaluate the historical significance of the HOLOCAUST.		

Figure 5.2 Analytic Rubric for Creativity

	Very Creative	Creative	Ordinary/Routine	Imitative
Depth and Quality of Ideas	Ideas represent a startling variety of important con- cepts from differ- ent contexts or disciplines.	Ideas represent important con- cepts from differ- ent contexts or disciplines.	Ideas represent important con- cepts from the same or similar contexts or disciplines.	ldeas do not rep- resent important concepts.
Variety of Sources	Created product draws on a wide- ranging variety of sources, including different texts, media, resource persons, and/or personal experiences.	Created product draws on a variety of sources, includ- ing different texts, media, resource persons, and/or personal experiences.	Created product draws on a limited set of sources and media.	Created product draws on only one source, and/ or sources are not trustworthy or appropriate.
Organization and Combination of Ideas	Ideas are com- bined in original and surprising ways to solve a problem, address an issue, or make something new.	Ideas are com- bined in original ways to solve a problem, address an issue, or make something new.	Ideas are com- bined in ways that are derived from the think- ing of others (for example, of the authors in sources consulted).	ldeas are copied or restated from the source(s) consulted.
Originality of Contribution	Created product is interesting, new, and/or helpful, making an original contribution that includes identify- ing a previously unknown problem, issue, or purpose.	Created product is interesting, new, and/or helpful, making an origi- nal contribution for its intended purpose (e.g., solving a problem or addressing an issue).	Created product serves its intended purpose (e.g., solving a problem or addressing an issue).	Created product does not serve its intended pur- pose (e.g., solv- ing a problem or addressing an issue).

Source: From How to Create and Use Rubrics for Formative Assessment, by S. M. Brookhart, 2013, Alexandria, VA: ASCD. Copyright 2013 by ASCD. Reprinted with permission.

Fi W	gure 5.3 /orld War I Test Feedback Sheet	
Na	ime:	
1.	Did you feel prepared for yesterday's test? \Box yes \Box no	
2.	Did you study outside of class time for yesterday's test? 🗌 yes 🔲 no	
	How long?	
3.	What was your overall feeling during the test yesterday?	
4.	Are there parts or sections where you felt more confident than others? \Box yes \Box no	
	скран.	
5.	Did it make a difference to you knowing that you could rewrite sections where	
	you did not do so well? yes no	
6.	Rank the following test formats from your most enjoyable (1) to least enjoyable (5):	
	multiple choice Explain your reasons for your ranking:	
	diagram/drawing	
	spoken/oral	
	essay/paragraph	
7.	If you were given a chance to show your knowledge and understanding in a different way	
	(a project, video, game, test of your own design, etc.), would you prefer that? yes no	
	Explain:	
		/

Figure 5.4
Test Feedback Shee

el prepared for yest udy outside of class ately how long did y ow you felt during t confident knowledgeable calm in total control parts or sections wh t confident multiple choice definitions short answer diagram	time for yester vou study? the test yesterd () [[[[[] []]]]]]]]]]]]]	yes no day's test? min ay: okay knew some s a little nervor sketchy re confident th Did n	yes no hours stuff us NOT feel c) (;;) (;) (;) (;) (;) (;) (;) (;) (;) (stressed my mind was blank rushed scattered no
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t confident multiple choice definitions short answer diagram		⊖ Did □ n	NOT feel c	onfident	
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e a difference to you I did not do so well?	u knowing that ? yes	: you could rew no	rite sections	5	
	-				
ollowing test format	ts from most e	enjoyable (1) te	o least enj e	oyable (5):	
Itiple choice	Explai	n your reasons	for your ran	king:	
tten					
grani/urawing ken/oral					
av/paragraph					
e given a chance to video, game, test of	show your kno f your own des	wledge and un ign, etc.), woul	iderstanding Id you prefe) in a differen r that? □ y	it way /es
	long answer (writte e a difference to yo u did not do so well? following test forma litiple choice itten gram/drawing oken/oral ay/paragraph e given a chance to video, game, test o	long answer (written section) te a difference to you knowing that a did not do so well? yes following test formats from most e iltiple choice Explain itten gram/drawing oken/oral bken/oral ay/paragraph e given a chance to show your know video, game, test of your own des PLEASE USE THE BACK OF THIS	Iong answer (written section) I ice a difference to you knowing that you could rew I id not do so well? I yes Ino following test formats from most enjoyable (1) to Itiple choice Explain your reasons itten	Iong answer (written section) Iong answer ice a difference to you knowing that you could rewrite sections id di not do so well? yes following test formats from most enjoyable (1) to least enjoyable choice following test formats from most enjoyable (1) to least enjoyable choice ittiple choice Explain your reasons for your range of your range of your range of your reasons for your range of your of your range of your your knowledge and understanding video, game, test of your own design, etc.), would you preference of your own design, etc.), would you preference of your own design is provided of the you will be the back of this form if you need to explain your preference of your your your you will you preference of your own design, etc.)	Iong answer (written section) Iong answer (written sections) ice a difference to you knowing that you could rewrite sections Iong answer (written sections) id di not do so well? yes no following test formats from most enjoyable (1) to least enjoyable (5): Itiple choice Explain your reasons for your ranking: itten

ate:			_ Name:	
] spoken o	nly (not reco	rded) 🗌 reco	orded video	recorded audio
ocation of r	media file: _			
Question	 }.			
Question				
Rating of of the que	examples u estion.	ised in the con	text	Question value:
Excellent	Good	Adequate	Not in Context/ Incorrect	Key Element/Detail
Total:	Total:	Total:	Total:	Value awarded:
Comments	<u> </u>			1

Figure 5.6 Multiple-Choice Response Sheet

Name: _

Write the letter that corresponds to the correct answer in the first space provided below. If you are unsure of your answer, write the letter that represents your second choice in the second blank. SUGGESTION: Select no more than five "second choices" or you may run out of time.

1	11	21
2	12	22
3	13	23
4	14	24
5	15	25
6	16	26
7	17	27
8	18	28
9	19	
10	20	TOTAL:

On the lines below, provide some information that explains why you are unsure of the correct response.

#	
#	

pplemental Moniple-Choice k	esponse Form
ease include this sheet with your multiple-choice mpleted digitally or online, check this box: \Box	response form. If the original multiple-choice responses v
ame:	Date: Test:
For each question below, indicate the two resp boxes. You must use the explanation area to response. Share why you might consider both understanding of the concept. You may use a	onses you are considering by shading in the correspondin describe why you are struggling to determine the correct responses to be correct. Make an effort to demonstrate yo combination of words and diagrams.
uestion:	Responses to consider: 🗌 A 🗌 B 🗌 C
If I had to select ONE response only, I would ch	oose
If I had to select ONE response only, I would ch	oose Responses to consider:
If I had to select ONE response only, I would ch uestion: Explanation Area:	oose Responses to consider:
If I had to select ONE response only, I would ch	oose Responses to consider:
If I had to select ONE response only, I would ch	oose Responses to consider:
If I had to select ONE response only, I would ch	oose Responses to consider:

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Figure 5.8
Sample Student Explanation to Math Question Using
the I Know I Am Close Format
Solve the following problem: 6 + 3 \times 4 - 2
A. 0
B. 16
C. 18
D. 34
Responses to consider: 🗌 A 📕 B 🗌 C 📕 D
  Explanation Area:
  I think that the correct answer is 16 because I multiply the
  3 and 4 and I get 12. Then I add the 6 and I get 18. Then the
  question is 18 - 2 and that equals 16.
  What I find confusing is that I was studying with Marie
  yesterday and she said that we just read it like a book from
  left to right. If I did that, I would do this:
         6 + 3 = 9 then 9 × 4 = 36 then 36 - 2 = 34
  But I think the answer really is 16.
  If I had to select ONE response only, I would choose
  letter B.
```

Figure 5.9 Sample Question Using Twitter Format

- 1. Create a Twitter conversation (four tweets) between two of the earth's spheres. (4 points)
- 2. The spheres are to discuss the effect of deforestation on their sphere.
- 3. Each sphere needs a handle, and you must include one hashtag that relates to the conversation.

@troposphere123: how's the oxygen & CO2 today? #atrisk
@biosphere: fine, but running out of forest #atrisk #gettingwarmer
@troposphere123: 2 much deforestation #atrisk #gettingwarmer #actsoon
@biosphere: need to selectively log, reforest, cut back on cars #atrisk #gettingwarmer #timerunningout

Figure 5.10 Sample Assignment Incorporating Digital Photos

In groups of two or three, use an iPad or phone to take pictures and label examples of each of the following terms. The same picture can be used for multiple terms.

The terms are worth different points. The group with the most points at the end of class will win a yummy glass of iced tea.

If you have the same picture of a term as another group, both teams will fail to get points for that term. So . . . NO SHARING.

The terms will be discussed and the text questions will be completed during the next class.

Sec 3.1

Read pages 41 to 48 for the definitions.

Define:

Qualitative	(2 points)	Quantitative	(2 points)
Observation	(1 point)	Interpretation	(5 points)
Description	(1 point)	Data	(1 point)
Experiment	(2 points)	Hypothesis	(15 points)
Theory	(15 points)	Law	(5 points)

Complete questions #1-6 on page 43.

Sec 3.2

Define:

Matter	(1 point)	Substance	(1 point)
Physical Property	(5 points)	Chemical Property	(10 points)
Intensive Property	(10 points)	Extensive Property	(5 points)

Complete questions #13 and 15 on page 45.

What are the three common states of matter? List the set of properties of each.

Name four exotic states of matter (2 million points each).

Define:

ess (2 points) Malleability	(2 points
(2 points) Luster	(2 points
ty (2 points) Diffusion	(2 points
(10 point	ts) Vapor Pressur	e (10 points
	ty (2 points (2 points) (2 points) (10 points)	ess (2 points) Malleability (2 points) Luster ty (2 points) Diffusion (10 points) Vapor Pressur

Complete questions #21, 22, 24, and 25 on page 48.

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