# Changing Assessment and Grading: What and Why?

Presented by Ken O' Connor Assess for Success Consulting

> <u>kenoc@aol.com</u> www.oconnorgrading.com

© Ken O'Connor, 2014

"Terms (are) frequently used interchangeably, although they (should) have distinct meanings."

McTighe, J., and Ferrara, S., "Assessing Learning in the Classroom", Journal of Quality Learning, December 1995, 11

2

© Ken O'Connor, 2014

#### What Do These Terms Mean?

MARK(S)/SCORE(S) (marking/scoring)

the number (or letter) "score" given to
any student test or performance

2

GRADE(S) (grading)

the number (or letter) reported at the B 78 3 G end of a period of time as a summary C 64 2 S statement of student performance F 42

© Ken O'Connor, 2014

"Why... Would anyone want to change current grading practices?

The answer is quite simple: grades are so imprecise that they are almost meaningless."

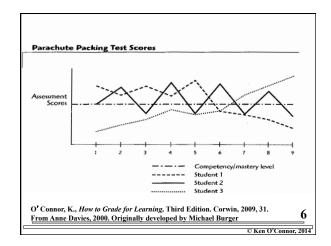
Marzano, R. J., *Transforming Classroom Grading*, ASCD, Alexandria, VA, 2000, 1

"... (grading) practices are not the result of careful thought or sound evidence, ... rather, they are used because teachers experienced these practices as students and, having little training or experience with other options, continue their use."

Guskey, Thomas R. (Editor), Communicating Student Learning: The 1996 ASCD Yearbook, ASCD, Alexandria, VA, 1996, 20

**Result -** inaccurate and inconsistent grading practices.

© Ken O'Connor, 2014



Science					
Task	Score/total possible	:	Percentage	:	
Tests (50%)					
Symbols	16/20		80	80	
Matter	0/68 (absent)	51/138	0	37%	
Reactions	35/50		70		
Daily Work (25%)					
Assignment	10/10	51/58	100	88%	
Homework	9/10		90		
Homework	9/10		90		
Atom quiz	9/10		90		
Moles quiz	5/8		62.5		
Homework	9/10		90		
Lab Work (25%)					
MP/BP	18/20	55/64	90		
Superation	20/24		83.3	86	
Reactions	7/10		70	00,	
Periodicity Check	10/10		100		

#### **Changes in Assessment, Grading and Reporting**

- 1. Achievement separated from behavior.
- 2. Grades based on learning goals not assessment methods.
- 3. Levels of achievement not points and percentages.
- 4. Not all scores used to determine grades.

1. Achievement separated from behavior.

"... grades often reflect a combination of achievement, progress, and other factors.

... this tendency to collapse several independent elements into a single grade may blur their meaning."

Bailey, J. and McTighe, J., "Reporting Achievement at the Secondary School Level: What and How?", in T. R. Guskey, (Ed.) Communicating Student Learning: ASCD Yearbook 1996, ASCD, Alexandria, VA, 1996, 121

10

© Ken O'Connor, 2014

© Ken O'Connor, 2014

"the primary purpose of ... grades ... (is) to communicate student achievement to students, parents, school administrators, post-secondary institutions and employers."

Bailey, J. and McTighe, J., "Reporting Achievement at the Secondary School Level: What and How?", in T. R. Guskey, (Ed.) Communicating Student Learning: ASCD Yearbook 1996, ASCD, Alexandria, VA, 1996, 1920.

11

© Ken O'Connor, 2014

#### "Drive"

by Daniel Pink

Motivation 1.0 - the ancient drive to survive

Motivation 2.0 - rewarding good work with pay, benefits and promotions

- centres on "Type X behavior" where people are motivated mostly by external rewards.

Motivation 3.0 - the main motivators are the freedom to do what you want, the opportunity to take a challenge and fulfillment by the purpose of the undertaking

- what Pink calls "Type I behavior"

12

// V -- (V/C---- 2014

#### **Quotes from "Drive"**

- 1. "Routine, not-so-interesting jobs require direction; non-routine, more interesting work depends on self-direction." (32)
- 2. "An incentive designed to clarify thinking and sharpen creativity ended up clouding thinking and dulling creativity. Why? Rewards, by their very nature, narrow our focus." (44)
- 3. "By neglecting the ingredients of genuine motivation autonomy, mastery, and purpose they limit what each of us can achieve." (49)

  Daniel Pink, 2009, *Drive*, Riverhead Books, New York

  13

© Ken O'Connor, 2014

"All kids start out as curious self-directed Type I's. But many of them end up as disengaged, compliant Type X's....

If we want to equip young people for the new world of work - and more important, if we want them to lead satisfying lives - we need to break Motivation 2.0's grip on education and parenting. . . . Unfortunately, as with business, there is a mismatch between what science knows and what schools do. . . We're bribing students into compliance instead of challenging them into engagement."

Daniel Pink, 2009, Drive, Riverhead Books, New York, 174

14

© Ken O'Connor, 2014

Pink believes it is time for a "full scale upgrade" to Motivation 3.0 - intrinsic rewards that play to the intrinsic satisfaction of the activity.

Source- review by Richard Eisenberg in USA Today, January 25, 2010

15

© Ken O'Connor, 2014

**Responsibility** – "the state or fact of being responsible, answerable, or accountable for something within one's power, management or choice." (Dictionary.com)

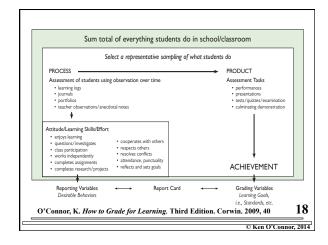
Compliance – "a. the act or process of complying to a desire, demand, proposal, or regimen or to coercion; b. conformity in fulfilling official requirements." (Merriam-Webster Online Dictionary)

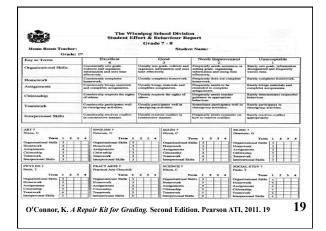
16

"No studies support the use of low grades or marks as punishments. Instead of prompting greater effort, low grades more often cause students to withdraw from learning." Guskey, T. R. and Bailey, J., Developing Grading and Reporting Systems for Student Learning, Corwin Press, 2001, 34-35

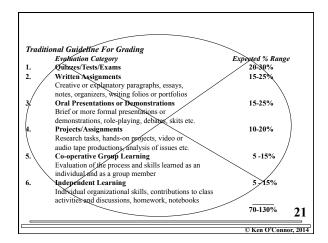
© Ken O'Connor, 2014

17



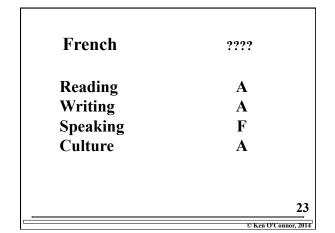


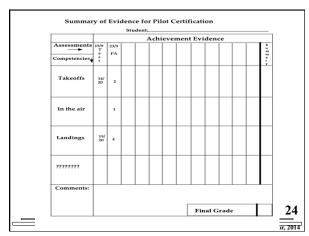
2. Grades based on learning goals not assessment methods. 20 © Ken O'Connor, 2014

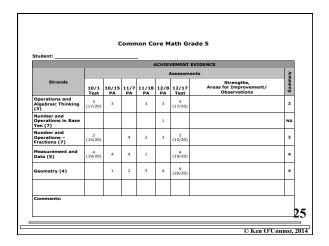


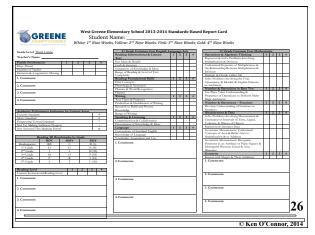
"The principal limitation of any grading system that requires the teacher to assign one number or letter to represent . . . learning is that one symbol can convey only one meaning. . . . . One symbol cannot do justice to the different degrees of learning a student acquires across all learning outcomes."

Tombari, M and Borich, G. Authentic Assessment in the Classroom, Prentice Hall, 1999, 213









3. Levels of achievement not points and percentages.

27

© Ken O'Connor, 2014

"Performance standards specify 'how good is good enough.' They relate to issues of assessment that gauge the degree to which content standards have been attained. . . . They are indices of quality that specify how adept or competent a student demonstration should be."

Kendall, J., and R. Marzano, Content Knowledge: A Compendium of Standards and Benchmarks for K-12 Education, First Edition, McREL, 1997, 16-17

28

O' Connor, K. How to Grade for Learning, Third Edition, Corwin, 2002, 712 **Performance Standards** How good is good enough? **Traditional School approaches** 90-100% - Outstanding 80-89% - Above Average Excellent Good 70-79% - Average 60-69% - Below Average Satisfactory D Poor <60% - Failing Unacceptable <u>Standards-based approaches</u> (Should be described by levels and linked to a symbol) Advanced Above standard Proficient Meets standard

Below but approaching standard Well below standard

Developing Beginning | Receded Standard | Exaceded Standard | Exace

Greene County, NC

4. Not all scores used to determine

grades.

31

29

© Ken O'Connor, 2014

© Ken O'Connor, 2014

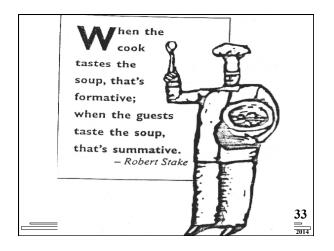
<u>Diagnostic</u> - assessment which takes place prior to instruction; designed to determine a student's attitude, skills or knowledge in order to identify student needs.

<u>Formative</u> - Assessment designed to provide direction for improvement and/or adjustment to a program for individual students or for a whole class, e.g. observation, quizzes, homework, instructional questions, initial drafts/attempts.

<u>Summative</u> - Assessment/evaluation designed to provide information to be used in making judgment about a student's achievement at the end of a sequence of instruction, e.g. final drafts/attempts, tests, exams, assignments, projects, performances.

© Ken O'Connor, 2014

32



"The thrust of formative assessment is toward improving learning and instruction. Therefore, the information should not be used for assigning "marks" as the assessment often occurs before students have had full opportunities to learn content or develop skills."

Manitoba Education and Training, Reporting on Student Progress and Achievement: A Policy Handbook for Teachers, Administrators and Parents. Winnipeg, 1997, 9

34

© Kon O'Connor 2014

Students should be assessed or checked on everything (or almost everything) they do

BUT

everything that is assessed and/or checked does not need a score

**AND** 

every score should not be included in the grade.

35

© Ken O'Connor, 2014

Firm evidence shows that formative assessment is an essential component of classroom work and that its development can raise standards of achievement, Mr. Black and Mr. Wiliam point out. Indeed, they know of no other way of raising standards for which such a strong prima facie case can be made.

Black, P. and Wiliam, D. "Inside the Black Box," Kappan, October 1998, 139

36

// V an O/Caman 2014

"The research indicates that improving learning through assessment depends on five, deceptively simple, key factors:

- The provision of effective feedback to students
- The active involvement of students in their own learning
- Adjusting teaching to take account of the results of assessment
- A recognition of the profound influence assessment has on the motivation and self- esteem of students, both of which are crucial influences on learning
- The need for students to be able to assess themselves and understand how to improve'

© Ken O'Connor, 2014

From a presentation by Dylan Wiliam - "Inside the Black Box"

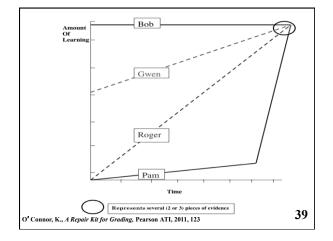
Kinds of feedback

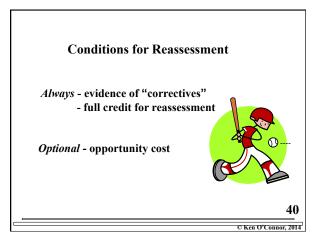
- 264 low and high ability year 7 pupils in 12 classes in 4 schools; analysis of 132 students at top and bottom of each class
- Same teaching, same aims, same teachers, same class work
- Three kinds of feedback: marks, comments, marks+comments

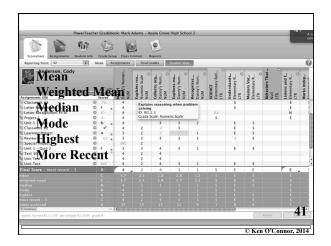
Feedback	Gair	
marks	none	
comments	30%	
both	none	

Butler, R. Br. J. Educ. Psychol. 1988, 58 1-14

38







#### Grades are broken when they -

- include ingredients that distort achievement
- arise from low quality or poorly organized evidence
- · are derived from inappropriate number crunching, and when they
- do not support the learning process.

© Ken O'Connor, 2014

"... the primary purpose of classroom assessment is to inform teaching and improve learning, not to sort and select students or to justify a grade."

43

#### Grades should come from body performance + principles of standards /guidelines evidence i.e., professional judgment NOT just a numerical, mechanical exercise