


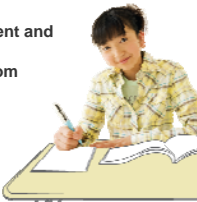



## Utilizing GRADE/GMADE Data to Drive Instruction

Misty Sprague  
 Person Professional Development and  
 Consultation  
[misty.sprague@pearson.com](mailto:misty.sprague@pearson.com)




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### What is the GRADE/GMADE?

- Norm-referenced diagnostic assessments
- Given **BEFORE/DURING** instruction to **DRIVE** instruction
- Performance by foundational skill
- Determine weak skills areas or “gaps” that require remediation and intervention,

**Group administered~  
Individual results**






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### What is it: a total solution






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## RADE/GMADE Philosophy: The Individual Learner

- Students are individuals
- When students fail or fall below a “**cut-score**,” reasons for failure vary from student to student



**Information about an individual's strengths and needs is the link to the most effective instructional strategies**

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## GRADE/GMADE Snapshot



- Group Administered
- Eleven test levels
- Normative scores available for each form
- Growth scale values (GSVs) for tracking growth over time.

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## Scientifically Researched and Norm Referenced

Carefully developed to provide a broad sampling of appropriate reading competencies. The GRADE/GMADE assessment was standardized in 2000 across the nation to include:

- 33,000+ students
- Varied ethnicities
- Range of socioeconomic groups
- Both genders
- Special Needs students
- Regional/National groups



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### What makes this a great tool?

- Diagnostics for pinpointing areas of intervention
- Recommended activities for intervention
- Valuable data for pre-referral teams
- Ability to track individual/group progress over time



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### Components

- **Booklets** are designed to be student friendly, and are re-useable Levels 4-A to be more cost effective
- **Parallel forms** facilitate multiple testing options throughout the school year
- **Scannable Answer Sheets** available for Levels 1-A save time with efficient scoring of tests
- **Teacher's Administration Manuals** provide detailed scripts for giving tests and helpful hints to keep students on task

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### Instructional Design



STEP 1: ASSESS

Instructional Cycle

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### What does it assess: subtests

Early Literacy Skill	GRADE Subtest
Phonemic Awareness	Sound Matching Rhyming Same & Different Words
Phonics	Letter Recognition Phoneme-Grapheme Correspondence
Vocabulary	Word Meaning Vocabulary
Fluency	Through partner assessment, <i>Reading Fluency Indicator*</i>
Comprehension	Sentence Comprehension Passage Comprehension Listening Comprehension

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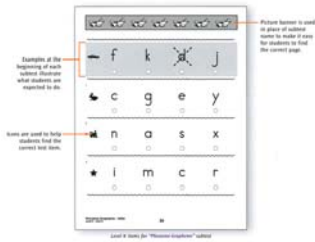
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### What does it assess: subtests

#### Phonemic Awareness

Students demonstrate their ability to identify sound-letter correspondence




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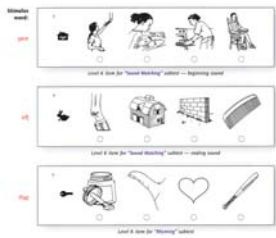
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### What does it assess: subtests

#### Phonics

Students demonstrate their ability to identify words that begin and end with the same sound and rhyme




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**What does it assess: subtests**

**Vocabulary**

Students demonstrate their knowledge and understanding of words and their meanings




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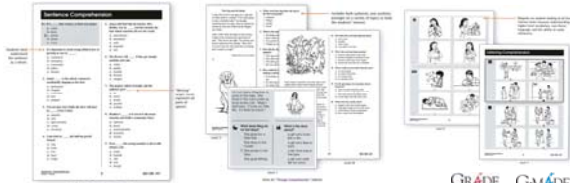
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**What does it assess: subtests**

**Comprehension**

Students demonstrate their ability to comprehend a sentence as a whole or complete thought; their ability to comprehend a passage; and their understanding of vocabulary, grammar, idioms, inferences, and non-literal items in passages or sentences read silently and aloud




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**What does it assess: subtests**

Content Standards	Concepts & Communication	Operations & Computation	Process & Application
Number and Operations	✓	✓	✓
Algebra	✓	✓	✓
Geometry	✓		✓
Measurement	✓		✓
Data Analysis and Probability	✓		✓
<b>Process Standards</b>			
Problem Solving			✓
Reasoning and Proof		✓	✓
Communication	✓		✓
Connection			✓
Representation	✓	✓	✓

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## Instructional Design

### STEP 2: ANALYZE



Instructional Cycle

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## How does it analyze: software options

- **Hand score**
  - All scoring and analysis can be done by hand with the scoring and interpretation manuals
- **Hand Entry or Scanning Software**
  - Software is available in hand entry (Mac/PC) or scanning (PC only), installed on one computer per CD, enter student responses and the program scores and interprets it
- **Network (Client Server)**
  - Available in hand entry (Mac/PC) or scanning (PC only), installed on the district server, comes with 3 licenses, additional licenses can be purchased, one time purchase
- **Scoring Services**
  - Customers send test forms out to be scored and reports generated, semi-annual or annual purchase

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## Available Scores:

- **Raw score** ~ total number of correct answers
- **Standard score** ~ Scores that have an average range of 85-115 and a mean of 100
- **Stanines** ~ a scoring range of 1-9 with a mean of 5
- **Percentile Rank** ~ to compare/rank with a standardized group of same-aged peers
- **NCE** ~ Normal Curved Equivalence - based on percentiles 1-99, with a mean score of 50
- **Growth Scale Value** ~ equal interval measurement of reading achievement so progress can be tracked over time
- **Total test score** ~ scores for the combined 3 subtests
- **Age / Grade equivalents** ~ comparison to equivalent age or grade based norms

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## How does it analyze: reports both individual and group

**Individual Reports** (Individual Score Summary, Individual Diagnostic Analysis, Individual Progress, Parent)

- Understand a student's strengths and weaknesses in the various subtests
- Breakdown of skills: number correct, percent correct
- Progress from administration to administration, year to year
- Easy to understand parent overview, available in Spanish and Portuguese

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## Individual Diagnostic Analysis Report

**Individual Diagnostic Analysis**

1. Contains list of the items from the Individual Score Summary, Individual Diagnostic Analysis
2. Recommendations section suggests a variety of measures to address weaknesses and growth learning
  - GRADE Resource Library (RL)
  - Reading Strategy
  - Read for Success

Recommend the level of GRADE Resource Library (RL) to use with the student

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## Individual Progress Report

**Individual Progress Report**

Track reading progress over time

1. Benchmark
2. Student

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## How does it analyze: reports both individual and group

**Group Reports** (Group Score Summary, Group Diagnostic Analysis by Item, Error, and Type, Group Progress Report)

- Overall picture of how the class or school performs on each subtest
- Class/ school averages for types of questions answered correctly and incorrectly
- Review of individual/class responses to each item per subtest
- Class/ school average of common errors per subtest
- Capture class progress from administration to administration, year to year

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## How does it analyze: reports both individual and group

Group Score Summary - SUMMER SCHOOL  
 Group Mathematics Assessment and Diagnostic Evaluation  
 Spring Norms Level 4, Form A

Test Date: 05/15/04  
 Teacher: Laeman  
 Grade: 4  
 School: Rice Creek

Student's Name	Grade	Concepts and Communication				Operations and Computation				Process and Application				Total Test				
		IS	IS	IS	IS	IS	IS	IS	IS	IS	IS	IS	IS	IS	IS	IS	IS	
Bark, Laura	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chap, Rebecca	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Coil, Nick	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Gooding, Michael	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Randall, Gabe	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Thompson, Wyatt	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<b>Avg</b>																		

GRADE delivers flexibility, students and scores can be grouped by Class, Grade or System  
Individual Growth Scale Values (GSV) are used between administrations or year to year  
The Average GSV is useful for determining whether an individual's GSV is above or below the class average

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## How does it analyze: Group

Group Diagnostic Analysis by Topic - SUMMER SCHOOL  
 Group Mathematics Assessment and Diagnostic Evaluation  
 Spring Norms Level 4, Form A

Teacher: Laeman  
 Test Date: 05/15/04  
 Grade: 4  
 School: Rice Creek

Student	Item	Answered	%	Item	Answered	%	Item	Answered	%	Item	Answered	%
Bark, Laura	1	1	100%	2	1	100%	3	1	100%	4	1	100%
Chap, Rebecca	1	1	100%	2	1	100%	3	1	100%	4	1	100%
Coil, Nick	1	1	100%	2	1	100%	3	1	100%	4	1	100%
Gooding, Michael	1	1	100%	2	1	100%	3	1	100%	4	1	100%
Randall, Gabe	1	1	100%	2	1	100%	3	1	100%	4	1	100%
Thompson, Wyatt	1	1	100%	2	1	100%	3	1	100%	4	1	100%
<b>Class Average % Correct</b>			100%			100%			100%			100%

Local and National average p-value indicates the percentage of students in the norm who responded correctly to each item during administration  
These percentages show which mathematical operations might pose difficulty for each student. Individual correct responses can be compared to class average  
Class Average shows whether student or entire class had difficulty performing operations on whole numbers, fractions, or decimals

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### How does it analyze: group reports

The screenshot shows a detailed data table with columns for 'Standard' and 'Score' for each student. Below the table, there are three callout boxes:

- Callout 1:** "Students who score 1 or higher on this standard are considered to have mastered this standard." (Points to a score of 1)
- Callout 2:** "Individual student scores are reported on a scale of 1-4." (Points to a score of 4)
- Callout 3:** "If there is a common score across all students, the score is reported in the column." (Points to a column of scores)

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### Instructional Design



Instructional Cycle

### STEP 3: INTERVENE

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### Intervention: GRL, Building Success, Head for Success

Plan focused instruction directly linked to assessment results

- GMADE Resource Libraries
- GRADE Resource Libraries
- Head for Success
- Building Success




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**Intervention: GRL, Building Success, Head for Success**

Plan focused instruction directly linked to assessment results

**GRADE Resource Libraries**

- Teaching activities & worksheets dealing with the same skill areas covered by GRADE/GMADE on a searchable CD, eleven CDs, one for each level, offer activities, worksheets, and booklists for remediation, on level, and enrichment practice.



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**Intervention: GRL, Building Success, Head for Success**

**Building Success**

- Available for Levels PreK-High School, this workbook series, correlated to GRADE, reinforces and reviews specific reading and math areas. Built to be used in small groups or individually, this workbook series addresses Word Attack Skills, Sounds, Vocabulary ,Reading Comprehension



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**Intervention: GRL, Building Success, Head for Success,**

**Head for Success**

- Workbooks (Levels 1-5 only) build reading and math skills with correlated activities. Lessons include guided practice for students' areas of need. This series offers lessons with instruction, practice, and test practice specifically correlated to the subtests of GRADE and GMADE and can also be used as a stand alone supplemental curriculum.



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## Instructional Design

### STEP 4: REASSESS



Instructional Cycle

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## Match Test Level to Ability Level

- GRADE/GMADE can be given on-level or out-of-level
  - On-level testing is reliable for all students at that grade level
  - Out-of-level testing is reliable for very high- or very-low readers above or below the test level
  - See Handout #2 GRADE on-level and out-of-level administration

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Level/Grade	Pre	Kdg	Gr 1	Gr 2	Gr 3	Gr 4	Gr 5	Gr 6	Gr 7	Gr 8	Gr 9	Gr 10	Gr 11	Gr 12
P														
K														
1														
2														
3														
4														
5														
6														
M														
H														
A														

Fig. 2.17  
GRADE on-level and out-of-level administration

- On-level and reliable for all students (low-, middle-, and high-readers)  
Spring & Fall Normative Tables in Teacher's Scoring & Interpretive Manuals and Scoring & Reporting Software
- ▨ Level 1 appropriate only for high-readers in the spring of kindergarten  
Level 1 should not be given to kindergarten students in the fall  
Only Spring Normative Tables for kindergarten in Teacher's Scoring & Interpretive Manuals and Scoring & Reporting Software
- On-level and reliable only for low- and middle-readers  
Spring & Fall Normative Tables in Teacher's Scoring & Interpretive Manuals and Scoring & Reporting Software
- Out-of-level and reliable only for very high- or very low-readers  
Spring & Fall Normative Tables only in Scoring & Reporting Software

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**What makes this a great RTI tool?**

- Parallel Forms
- Out of level norms
- Diagnostics for pinpointing areas of intervention
- Recommended activities for intervention
- Valuable data for pre-referral teams

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**Questions??**

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