

# A Blended Solution

Year-Round NC Standard Course of Study-Based Supplemental Program for Extended Learning





NC Standard Course of Study: ELA ; Mathematics





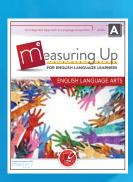
Available in eBook format

my Quest

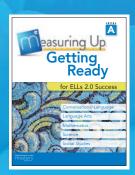
Online Student Practice



Next Generation
Science Standards



English Language Learners



Getting Ready: ELLs 2.0 Success



Foundational Skills: Reading; Mathematics

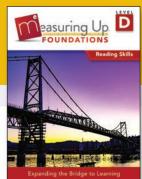


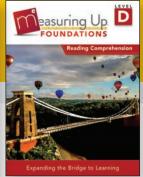
Page	Title	Subjects Gr. 1 Gr. 2 Gr. 3 Gr. 4 Gr. 5		Gr. 6	Gr. 7	Gr. 8	HS				
	Measuring Up Skill Building and Intervention										
		Reading Comprehension	<b>(</b>	<b>(</b>	<b>(</b>	<b>(</b>	<b>(</b>				
, _	F 1.2	Reading Skills	<b>(</b>	<b>(</b>	<b>(</b>	<b>(</b>	<b>(</b>				
1-5	Foundations	Mathematics	<b>(</b> )	<b>(</b> )	<b>()</b>	<b>(</b> )	<b>(</b>	<b>(</b>	<b>(</b>	<b>(</b>	
		Reading						( <u>•</u> )	<b>(</b>	<b>(</b>	
6-7	ELL	English Language	<b>(</b>	<b>(</b>	<b>(</b>	<b>(</b>	<b>(</b>	<b>(</b>	<b>(</b>	<b>(</b>	
8-9	Getting Ready ELLs 2.0 Success	Learners	•	<b>(</b>	<b>©</b>	<b>(</b>	<b>(</b>	<b>(</b>	<b>(</b>	<b>(</b>	<b>(</b>
M	easuring Up N	NC Standard C	ours	e of	Stu	dy-B	ased	d Ins	truc	tion	
10-17	NC Standard Course of Study	English Language Arts & Mathematics			(i)	(i)	<b>(</b>	<b>(</b>	<b>(</b>	<b>(</b>	
10-17	Next Generation Science Standards	Science				<b>(</b>	<b>(</b> )			<b>(</b> )	
	Measuring Up Live 2.0  NC Standard Course of Study-Based Formative Assessment & Differentiated, Adapative Practice										
18-19	Overview	Insight, Reach, and MyQuest									
20-24	Insight Item Bank MyQuest	English Language Arts, Mathematics & Science			<b>(</b>	(i)	<b>(a)</b>	<b>(a)</b>	<b>(</b>	<b>(</b>	
25	Professional Development	Training with purchase of Measuring Up Live 2.0									

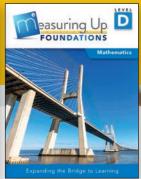
Available in English

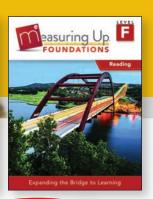
Available in English and Spanish

### **SKILL BUILDING & INTERVENTION**











NEW!
Grades 1-5
Mathematics and Reading
Comprehension in Spanish

# Reading Skills Reading Comprehension Mathematics

Levels A-E | Grades 1-5

Reading Mathematics

Levels F-H | Grades 6-8

Accelerate struggling students with instruction devoted to prerequisite skills for grade-level learning.

#### For Students

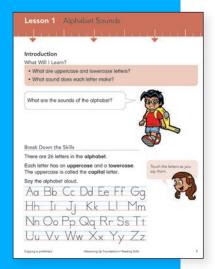
- Uncluttered student-page layout
- Skills-focused instructional design
- Complex skills segmented into steps
- Simplified grade-level content

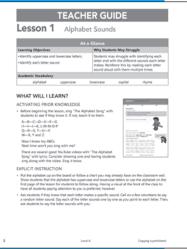
#### For Teachers

- Alerts to common errors avoid pitfalls that lead to learning difficulties
- Mathematics error analyses give insight into where learning breaks down
- Special attention to the needs of English Language Learners
- Full support for explicit instruction

# Every lesson includes four distinct parts:

- Introduction/ Break Down the Skills
- 2. Guided Instruction
- 3. Independent Practice
- 4. Exit Ticket





Reading Skills, Grade 1 Student Edition and Teacher's Manual

#### **Consistent Instructional Framework**

**Measuring Up Foundations** incorporates brain research for struggling students. Four-part lessons streamline skills and tasks to avoid frustration and boost achievement.

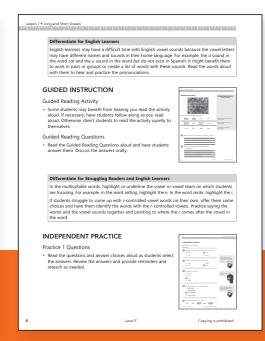
#### Introduction/Break Down the Skills

- Set learning goals and activate prior knowledge
- Provide context for vocabulary
- Measure Kids provide hints, tips, and guidance
- Teacher's Manual offers:
  - -Explicit directions for making instruction clear
  - —Full support to teach academic vocabulary in context
  - —Strategies to address the needs of struggling students and English Learners

#### **Guided Instruction**

- Strategically placed thinking questions support Learners.
- Examples and illustrations support and clarify meaning.
- Teacher's Manual offers comprehensive directions for assigning and supporting practice.





Reading, Grade 6 Student Edition and Teacher's Manual

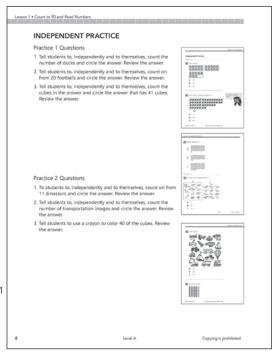
#### Chapter 1 • Numbers in Base Ter Independent Practice Practice 1 Lesson 1 • Count to 50 and Read Numbers How many? Which shows 41 cubes? B 28 C 36 How many? Count on from 20. Practice 2 99999 99999 How many? Count on from 11. 9999999 В 35 C 46 В 24 C 31 Student Edition Mathematics, Grade 1 Level A Copying is prohibited.



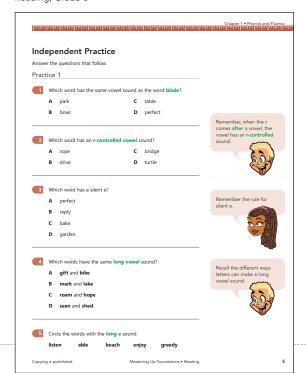
Teacher's Manual Mathematics, Grade 1

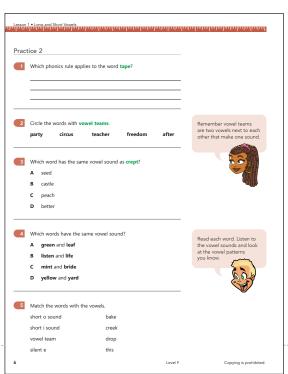
#### **Independent Practice**

- Students work independently on varied question types.
- Two practice sets provide instructional options for support and independent work.
- Teacher's Manual includes directions for practice.



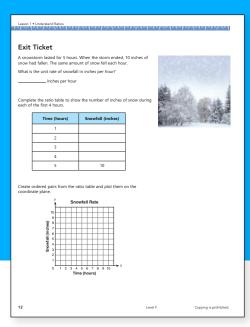
#### Student Edition Reading, Grade 6



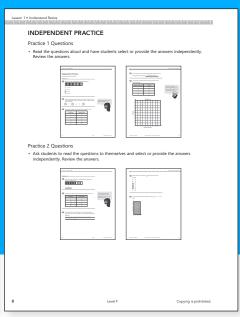


#### **Exit Ticket**

- Culminating activity for quick assessment check.
- Teacher's Manual includes directions for activity.

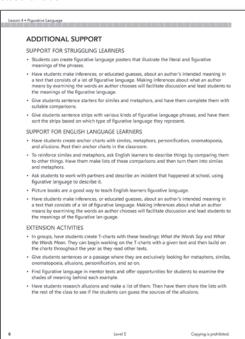






Mathematics, Grade 6

#### Reading Comprehension, Grade 5 Student Edition



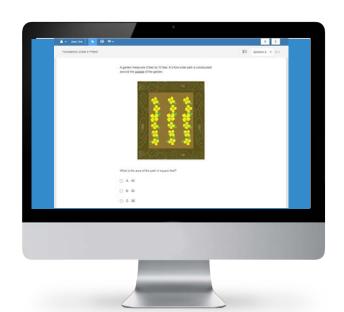
#### **Additional Support & Extension Activities in Teacher's Manual**

- End-of-lesson support for students who continue to struggle.
- Language frames and strategies develop oral language proficiency for English Learners.
- Reproducibles extend learning support.

#### Measuring Up Foundations: Assessments

Accessed via **Measuring Up Live 2.0**, students take assessments online. Educators have access to reports to monitor learning and progress.

- Pre- and post-assessments
- Chapter assessments
- Data and reporting



#### Scope of Skills | Grades 1-5

**READING SKILLS** 

**READING COMPREHENSION** 

**MATHEMATICS** (TOPICS VARY BY GRADE)

#### Scope of Skills | Grades 6-8

**MATHEMATICS** (TOPICS VARY BY GRADE)

- Print Concepts Phonological Awareness
- Phonics and Word Recognition Fluency
- Generate Questions Main Ideas and Details
- Sequence Summarize Inferences Point of View
- Illustrations Text Structure Compare and Contrast
- Counting Sequencing Comparing Place Value
- Addition Subtraction Computation Multiplication
- Division Fractions
- Phonics and Fluency Reading Literature
- Literary Analysis and Response Reading Informational Texts
- Analyzing Informational Texts
- Ratios & Proportional Relationships Expressions & Equations
- Statistics & Probability The Number System Geometry
- Functions

#### Measuring Up Foundations: Print Student Book, Online Assessments, & Online Teacher's Manual

LEVEL/ GRADE	Reading Skills	Reading Comprehension	Mathematics
PRICE	\$16.95	\$16.95	\$16.95
Level A/Grade 1	978-1-64090-759-1	978-1-64090-764-5	978-1-64090-769-0
Level B/Grade 2	978-1-64090-760-7	978-1-64090-765-2	978-1-64090-770-6
Level C/Grade 3	978-1-64090-761-4	978-1-64090-766-9	978-1-64090-771-3
Level D/Grade 4	978-1-64090-762-1	978-1-64090-767-6	978-1-64090-772-0
Level E/Grade 5	978-1-64090-763-8	978-1-64090-768-3	978-1-64090-773-7

#### **Measuring Up Foundations:** Add-On Printed Teacher's Manual

LEVEL/ GRADE	Reading Skills	Reading Comprehension	Mathematics
PRICE	\$34.95	\$34.95	\$34.95
Level A/Grade 1	978-1-64090-684-6	978-1-64090-738-6	978-1-64090-694-5
Level B/Grade 2	978-1-64090-686-0	978-1-64090-740-9	978-1-64090-696-9
Level C/Grade 3	978-1-64090-688-4	978-1-64090-742-3	978-1-64090-698-3
Level D/Grade 4	978-1-64090-690-7	978-1-64090-744-7	978-1-64090-700-3
Level E/Grade 5	978-1-64090-692-1	978-1-64090-746-1	978-1-64090-702-7

#### Measuring Up Foundations: Print Student Book. Online Assessments, & Online Teacher's Manual

LEVEL/GRADE	Reading	Mathematics
PRICE	\$16.95	\$16.95
Level C/Grade 6	978-1-64090-952-6	978-1-64090-955-7
Level D/Grade 7	978-1-64090-953-3	978-1-64090-956-4
Level E/Grade 8	978-1-64090-954-0	978-1-64090-957-1

Teacher's Editions are not sold without the purchase of a minimum order of 25 student books of the same subject and grade level.

Shipping is additional.

#### **Measuring Up Foundations (Spanish Version): Print Student Book & Online Teacher's Manual**

LEVEL/ GRADE	Reading Comprehension	Mathematics	
PRICE	\$16.95	\$16.95	
Level A/Grade 1	979-8-88711-531-3	979-8-88711-541-2	
Level B/Grade 2	979-8-88711-533-7	979-8-88711-543-6	
Level C/Grade 3	979-8-88711-535-1	979-8-88711-545-0	
Level D/Grade 4	979-8-88711-537-5	979-8-88711-547-4	
Level E/Grade 5	979-8-88711-539-9	979-8-88711-549-8	

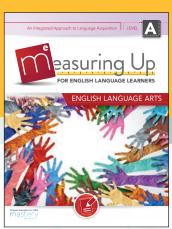
#### **Measuring Up Foundations (Spanish Version):** Add-On Printed Teacher's Manual

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LEVEL/ GRADE		Reading Comprehension	Mathematics
	PRICE	\$34.95	\$34.95
	Level A/Grade 1	979-8-88711-532-0	979-8-88711-542-9
	Level B/Grade 2	979-8-88711-534-4	979-8-88711-544-3
	Level C/Grade 3	979-8-88711-536-8	979-8-88711-546-7
	Level D/Grade 4	979-8-88711-538-2	979-8-88711-548-1
	Level E/Grade 5	979-8-88711-540-5	979-8-88711-550-4

#### **Measuring Up Foundations: Add-On Printed Teacher's Manual**

LEVEL/GRADE	Reading	Mathematics
PRICE	\$34.95	\$34.95
Level C/Grade 6	978-1-64090-889-5	978-1-64090-895-6
Level D/Grade 7	978-1-64090-891-8	978-1-64090-897-0
Level E/Grade 8	978-1-64090-893-2	978-1-64090-899-4

## **SKILL BUILDING & INTERVENTION**



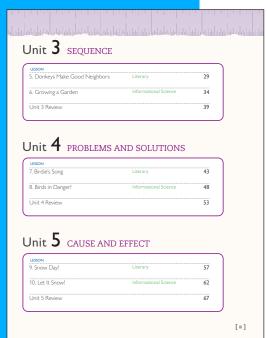


Incorporates research-based best practices for English Language Learners and an integrated approach that includes a focus on language-acquisition strategies.

#### Each unit offers:

- Supportive language-acquisition strategies such as sentence and paragraph frames to scaffold oral and written language development.
- Emphasis on Tiers 1 and 2 vocabulary learning, etymology, and Spanish cognates.
- Listening, speaking, and writing opportunities are included in each reading selection.
- Plenty of practice questions.

# Introduction Letter to Students v What You'll See in Measuring Up for English Language Learners vi Unit 1 MAIN IDEA AND DETAILS LISSON 1. Lara the Cat Literary 1 2. All About Cats Informational Science 6 Unit 1 Review 11 Unit 2 SUMMARIZE LISSON 3. A Surprise for Mom Literary 15 4. Robots Informational Social Studies 20 Unit 2 Review 25



Grade 1, Table of Contents

#### **FORMAT AND STRUCTURE**

**Six Units:** Main Idea and Details, Summarize, Sequence, Problems and Solutions, Cause and Effect, and Inferences/Draw Conclusions

**Units include** two lessons and Unit Review thematically linking a literature passage and informational text with Review that includes practice with multiple-choice and constructed response questions.

**Instruction** targets 6 performance-level descriptors (PLDs): Entering, Emerging, Developing, Expanding, Bridging, and Reaching.

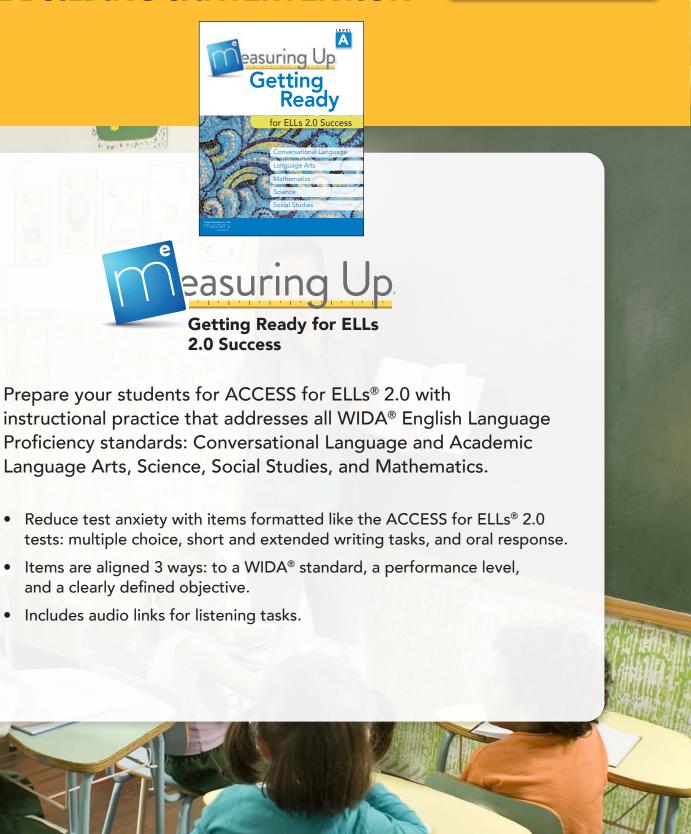


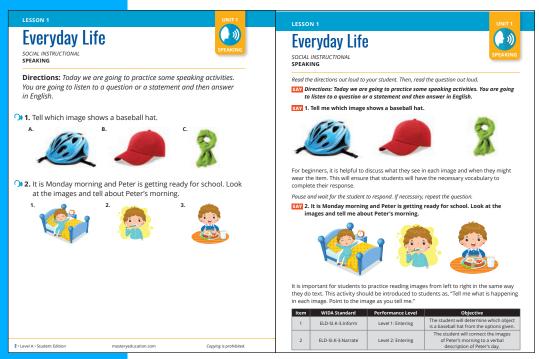
English Language Learners   WORKTEXT					
ISBN	Level/Grade	Price			
978-1-64090-918-2	Level A/Grade 1 Student Edition	\$16.95			
978-1-64090-920-5	Level B/Grade 2 Student Edition	\$16.95			
978-1-64090-922-9	Level C/Grade 3 Student Edition	\$16.95			
978-1-64090-924-3	Level D/Grade 4 Student Edition	\$16.95			
978-1-64090-926-7	Level E/Grade 5 Student Edition	\$16.95			
978-1-64090-928-1	Level F/Grade 6 Student Edition	\$16.95			
978-1-64090-930-4	Level G/Grade 7 Student Edition	\$16.95			
978-1-64090-932-8	Level H/Grade 8 Student Edition	\$16.95			
978-1-64090-919-9	Level A/Grade 1 Teacher Edition	\$32.95			
978-1-64090-921-2	Level B/Grade 2 Teacher Edition	\$32.95			
978-1-64090-923-6	Level C/Grade 3 Teacher Edition	\$32.95			
978-1-64090-925-0	Level D/Grade 4 Teacher Edition	\$32.95			
978-1-64090-927-4	Level E/Grade 5 Teacher Edition	\$32.95			
978-1-64090-929-8	Level F/Grade 6 Teacher Edition	\$32.95			
978-1-64090-931-1	Level G/Grade 7 Teacher Edition	\$32.95			
978-1-64090-933-5	Level H/Grade 8 Teacher Edition	\$32.95			

Teacher's Editions are not sold without the purchase of a minimum order of 20 student books of the same subject and grade level.

Shipping is additional.

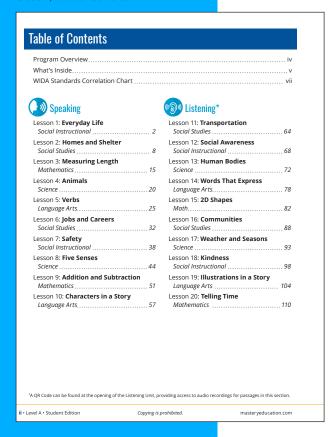
## **SKILL BUILDING & INTERVENTION**





Grade 1, Student Edition

Grade 1, Table of Contents



Four thematic units of 10 lessons each focus on a language domain: speaking, listening, reading, and writing.

Grade 1, Annotated Teacher Edition

#### **Student Edition**

 Grade-level instructional practice books designed to support language acquisition and test readiness.

#### **Comprehensive Annotated Teacher Edition**

 Scaffolded instruction for all PLDs: Entering, Emerging, Developing, Expanding, Bridging, and Reaching.

<b>Getting Read</b>	y for ELLs 2.0 Succes	s   WORKTEXTS
ISBN	Level/Grade	Price
978-1-64090-900-7	Grade 1 Student Edition	\$19.95
978-1-64090-902-1	Grade 2 Student Edition	\$19.95
978-1-64090-904-5	Grade 3 Student Edition	\$19.95
978-1-64090-906-9	Grade 4 Student Edition	\$19.95
978-1-64090-908-3	Grade 5 Student Edition	\$19.95
978-1-64090-910-6	Grade 6 Student Edition	\$19.95
978-1-64090-912-0	Grade 7 Student Edition	\$19.95
978-1-64090-914-4	Grade 8 Student Edition	\$19.95
978-1-64090-916-8	Grades 9–12 Student Edition	\$19.95
978-1-64090-901-4	Level A/Grade 1 Teacher Edition	\$49.95
978-1-64090-903-8	Level B/Grade 2 Teacher Edition	\$49.95
978-1-64090-905-2	Level C/Grade 3 Teacher Edition	\$49.95
978-1-64090-907-6	Level D/Grade 4 Teacher Edition	\$49.95
978-1-64090-909-0	Level E/Grade 5 Teacher Edition	\$49.95
978-1-64090-911-3	Level F/Grade 6 Teacher Edition	\$49.95
978-1-64090-913-7	Level G/Grade 7 Teacher Edition	\$49.95
978-1-64090-915-1	Level H/Grade 8 Teacher Edition	\$49.95
978-1-64090-917-5	Grades 9–12 Teacher Edition	\$49.95

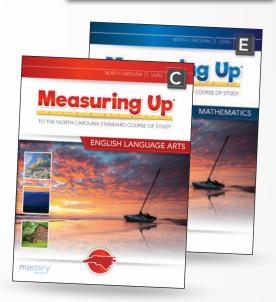
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Shipping is additional.



# to the North Carolina Standard Course of Study

English Language Arts and Mathematics
Grades 3–8



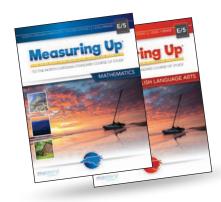
# Targeted North Carolina Standard Course of Study Instruction

**NEW!** 

Enrollment and Rostering Options through Clever, Google Classroom, One Roster, and Classlink.

Measuring Up to the North Carolina Standard Course
of Study prepares students for the rigors of the NC EOG Test
with lessons designed to improve academic growth and assessment results.

- Introduce concepts by connecting what students will learn to what they already know.
- Build relevance with real-world examples.
- Scaffold learning with guided questions, hints, and checklists at point of learning.
- Apply learning independently with questions that emulate the NC EOG Test.
- Measure mastery with **Exit Ticket** summaries.



#### **Enhanced Teacher Edition**

- Lessons feature tips and activities for diverse learners, including struggling, advanced, and English Language Learners.
- Guidance for interpreting and using data.
- Standards information and support.
- Two full-length NC EOG blackline master practice tests are available.

#### ORDERING INFORMATION ENGLISH LANGUAGE ARTS

ISBN	Level/ Grade	Price	ISBN	Level/Grade	Price
ELA STUDENT EDITION			ELA ANNOTATED TEA	CHER EDITION	
978-1-60979-792-8	C/3		978-1-60979-798-0	C/3	
978-1-60979-793-5	D/4		978-1-60979-799-7	D/4	
978-1-60979-794-2	E/5	\$14.95	978-1-60979-800-0	E/5	#22 OF
978-1-60979-795-9	F/6		978-1-60979-801-7	F/6	\$32.95
978-1-60979-796-6	G/7		978-1-60979-802-4	G/7	
978-1-60979-797-3	H/8		978-1-60979-803-1	H/8	

#### **ORDERING INFORMATION MATHEMATICS**

ISBN	Level/ Grade	Price	ISBN	Level/Grade	Price
MATH STUDENT EDIT	ION		MATH ANNOTATED TE	ACHER EDITION	
978-1-60979-804-8	C/3		978-1-60979-810-9	C/3	
978-1-60979-805-5	D/4		978-1-60979-811-6	D/4	
978-1-60979-806-2	E/5	\$14.95	978-1-60979-812-3	E/5	фар от
978-1-60979-807-9	F/6		978-1-60979-813-0	F/6	\$32.95
978-1-60979-808-6	G/7		978-1-60979-814-7	G/7	
978-1-60979-809-3	H/8		978-1-60979-815-4	H/8	

Minimum quantity purchase of 20 Student Editions of the same grade level and subject area. Free TE with purchase of 25 Student Editions.

Shipping is additional.



**Extend Learning Online** 

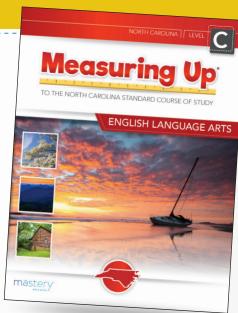
NC Standard Course of Study-based Assessment with digital and practice tests, as well as adaptive, differentiated practice.

#### What's Inside: A Lesson Guide

Grade 3, Lesson 4

Deepen student understanding to help them make meaning of lesson content and theme.

**Emphasis** on academic vocabulary.



Available for Grades 3–8



#### Lesson 4

READ FOR UNDERSTANDING RF.3.5.a, RF.3.5.b

#### INTRODUCTION

Real-World Connection

#### ADVENTURE

Dorian likes to read adventure stories. They make him feel excited and happy. Sometimes, he also learns new facts about places or animals from around the world. Dorian and his family are going on vacation. He plans to bring a book for the long drive. He wants to read some of the book to his parents and his sister in the car. Dorian is worried that he will not read well. He wants his family to enjoy the story. How can he make sure his reading is good? We will practice the skills in the **Guided Instruction** and Independent Practice. Then, we will come back to Dorian at ne end of the less

#### What I Am Going to Learn

- . How to read to out loud smoothly and at the right pace

#### Vocabulary in Action

A big part of reading is understanding the text, or knowing what it means. When you read, you have a **purpose** for reading, A purpose is why you read a text. Sometimes you read for fun, while other times you read to learn something. Either way, you want to make sure you understand the text. You also want to be able to explain what you have read.

- · Reading a text out loud is reading orally. Reading orally can help you understand a text.
- The goal of reading out loud is to read smoothly or fluently. Try not to skip words or have long pauses. Practicing to read a text orally more than once can help.
- The feelings you show in your voice when you read is your expression. Think about a story about a birthday party. This is a happy story and the reader's voice should sound. happy.
- · Read at a good rate. This is the speed of speaking out loud. Speak at a speed that makes each word clear. Reading too fast may create mistakes. Pause when you see punctuation such as a comma or period.

Reading prose and reading poetry are different.

Prose uses sentences and paragraphs to explain things or tell stories. Stories and instructions are examples of prose

#### **◀** THINK ABOUT IT



Prompts provide checkpoints and writing opportunities for selfassessment.

What I

▶ THINK ABOUT IT

TURN AND TALK After you read the poem, work with a partner to answer the questions Who? What? Where?

Because this poem is about an adventure, how would you want to read it out loud? Would you use

the same expression all the way through?

questions Who! What! Where! Why? Knowing the answers will help you understand what you are reading.

#### **Guided Instruction**

Students review the skills, standards, and practice test items.

[30] masteryeducation.com | English Lange

Read this poem out loud. Try to read fluently. Try speaking at a

#### Over the Hills

There once was a lad. Who was so very glad

Not to be bad

Because his mama then said, "Over the hills you may go,

And search for the giants that know

**GUIDED INSTRUCTION** 

The secret of the bow."

And so the boy did go, Taking with him his bow,

Hoping to know what has been

Hidden through time.

What is this poem about?	
What does the topic say about why someone might read this poem?	Because this is an adventure poem, most people would read it for fun.
When should you pause?	You should pause whenever there is a comma or a period.
How should you say "Who was so very glad?"	

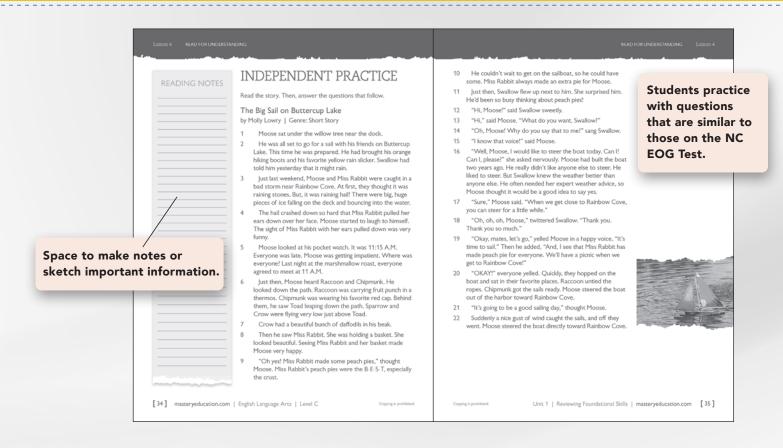
[32] masteryeducation.com | English Language Arts | Level C

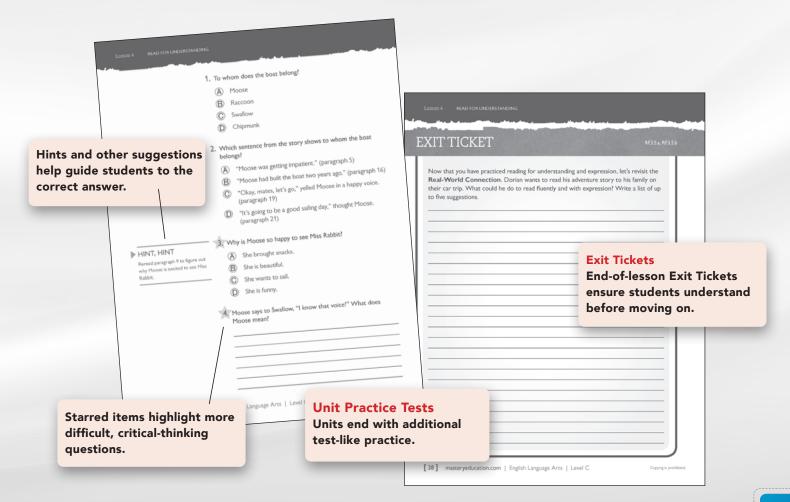
What 4	questions do you have?
Explain	what you would do to get ready to read a poem
orally i	in front of your class.
How n	night reading the poem out loud be different from
reading	prose, such as a story or an article?

Color in the traffic signal that shows how you are doing with the skill.



Unit 1 | Reviewing Foundational Skills | masteryeducation.com [ 33 ]





#### What's Inside: A Lesson Guide

Grade 3, Lesson 1



UNDERSTAND MULTIPLICATION NC.3.OA.1, NC.3.OA.1.i-ii

#### INTRODUCTION

#### Real-World Connection

Carrie is having a picnic at the park. She sees 5 bicycles parked against a tree. Each bicycle has 2 wheels. How many wheels does

Carrie can use multiplication to find how many wheels she sees in all. Let's practice the skills in the Guided Instruction and Independent Practice and help Carrie solve her problem at the end of the lesson!

#### What I Am Going to Learn

- How to use multiplication to combine equal groups
- How to identify the factors and the product in a multiplication sentence
- . How to draw a picture to see the total number of objects

#### What I May Already Know NC.2.OA.4, NC.2.NBT.5

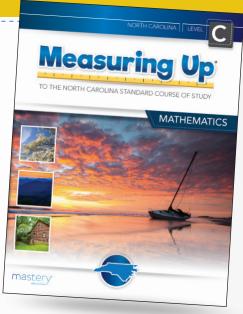
- I know how to use addition to find the number of objects arranged in equal rows.
- I know how to add numbers.

#### Vocabulary in Action

- · To multiply means to combine equal groups using addition.
  - The symbol "X" means multiply.

r 1 | Multiplication and Division with Whole Numbers | masteryeducation.com [1]





Available for Grades 3-8

connections from what they know to

#### **Guided Instruction**

helps students review the skills and standards, and practice answering test items.

Academic vocabulary is listed at the beginning of each lesson and used in context.

• 5 + 5 + 5 = 15, so the product of  $3 \times 5$  is 15.

Each number is a factor, and the total is the product.

Deepen student understanding

of complex concepts by making

what they will learn.



Cars have 4 tires. How many tires are there for 3 cars?



There are 3 groups of 4 tires, or 12 tires in all: 4+4+4=12To use multiplication, write

 $3 \times 4 = 12$ 

Three groups of four equals twelve. 3 and 4 are the factors and 12 is the product.

You can use repeated addition to solve multiplication problems, and you can make a drawing.



[2] masteryeducation.com | Mathematics | Level C

What is the product of  $4 \times 5$ ?

4 × 5 is 4 groups of 5:

Many things are arranged in rows: seats in a theater, apples at



You can multiply to find how many apples there are.

#### **GUIDED INSTRUCTION**

Many things can be counted in equal groups. If you have several of the same item, you can use multiplication

Dante has 2 shirts. Each shirt has 4 buttons. How many buttons are there?

Step One Draw a picture. Show 2 groups

Show 4 buttons in each group.

0000

**◀ THINK ABOUT IT** 

**■** THINK ABOUT IT and again. Can you skip count by 2s, Ss, and 10s!

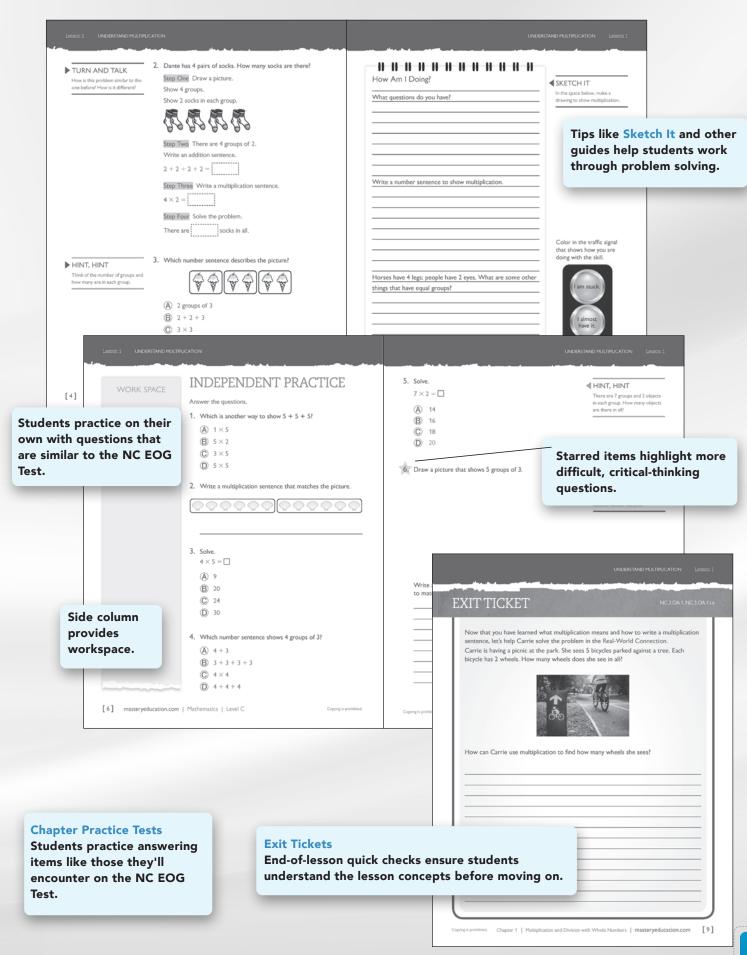
Step Two There are 2 groups of 4.

Step Three Write a multiplication sentence.  $2 \times 4 = 8$ 

Step Four Solve the problem.

8 buttons in all.

Copping is prohibited. Chapter 1 | Multiplication and Division with Whole Numbers | masteryeducation.com [3]



# Measuring Up®

# to the **Next Generation**Science Standards

Promote data analysis, critical thinking, and problem solving.

#### **Lessons Feature:**

- Connect science to other subject areas.
- Lesson goals connect prior knowledge to scientific concepts.
- Independent-practice items meet the rigor of the NGSS assessments.
- Building Stamina unit tests check for understanding.
- Hands-on activities, experiments, and investigations.

#### THE BIG IDEA:

Lesson objectives set the stage for what students will learn.

#### WHAT I NEED TO KNOW:

Quickly highlights and reviews the lesson concept.



#### WORDS TO KNOW:

Vocabulary that students will encounter is listed and defined in context.

## Lesson 1

HOW CAN WE SEE MATTER?

#### THE BIG IDEA

- Matter is made of particles that are too small to see, but we can observe it in other ways.
- A model can explain how gases consist of matter particles that are too small to see and move freely in space.

#### WHAT I NEED TO KNOW

Matter is all around us. In fact, we are matter! Matter is anything that has mass and takes up space.

You can make observations about matter. For example, you can bounce a ball and feel if it is soft or hard. You can even make changes to matter like tearing a piece of paper into smaller pieces. You can also measure its mass or volume.

While there are many examples of matter, the human eye cannot see the building blocks of all matter—atoms.

Atoms can combine in many different ways. One of the simplest combinations creates a molecule. A molecule is a group of atoms bonded together. Because atoms and molecules are so small, we can use models of individual atoms to show how atoms bond together to form molecules. A molecule of water, for example, is made of two hydrogen atoms and one oxygen atom.

Individual atoms and molecules are not visible to the eye, but they make up everything around us. This includes matter that is or is not visible to the eye. Think for a moment: how can you observe matter if its tiny particles are not visible?

Unit 1 | Physical and Chemical Changes |

Air is an example of matter you cannot see, but you can observe it. We can observe air by looking at some of the ways air behaves. For



THINK ABOUT IT

#### TURN AND TALK

particles called atoms. What are some other examples of large objects that are made up of man smaller pieces!

masteryeducation.com

Level E/Grade 5, Lesson 1

# Each grade level covers a wide variety of scientific concepts including life, earth, and physical science.

#### Level D / Grade 4

- Structure, Function, and Information Processing
- Transferring Energy and Information
- Energy and Collisions
- Earth's Landscape
- Earth's Systems and Change

#### Level E / Grade 5

- Physical and Chemical Changes
- Energy and Matter
- Earth's Systems
- Space Systems

#### Level H / Grades 6-8

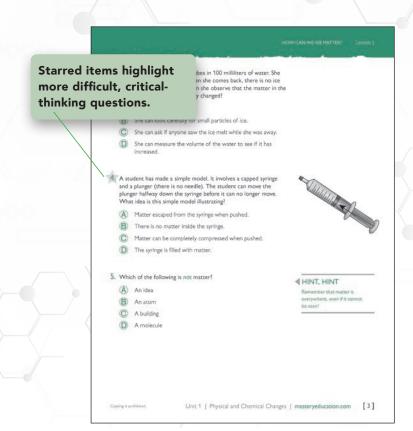
- Human Body Systems
- Reproduction and Growth
- Energy Transfer and Weather
- Climates and Human Impacts
- Properties of Matter
- Dynamic Interactions within Ecosystems
- Geologic Changes in the Earth
- Forces and Energy
- Energy in Waves
- Mechanisms of Diversity
- Changing Earth

#### **ORDERING INFORMATION**

ISBN	Level/ Grade	Price	
STUDENT EDITION			
978-1-64090-098-1	D/4	¢140E	
978-1-64090-099-8	E/5	\$14.95	
978-1-64090-100-1	H/8	\$14.95	
ANNOTATED TEACHER EDITION			
978-1-64090-101-8	D/4		
978-1-64090-102-5	E/5	\$32.95	
978-1-64090-103-2	H/8		

20 minimum quantity purchase of Student Editions of the same grade level. Free TE with purchase of 25 Student Editions.

Shipping is additional.



# The **Teacher Edition** includes support for:

- prerequisite knowledge and standards,
- misconceptions, and
- working with struggling, advanced, and English Language Learners.



# NC Standard Course of Study Assessment, Instruction, and Practice

- Full-length practice tests
- Formative and summative curriculum-based assessments
- Measure growth in before- and after-school programs
- Deepen NC Standard Course of Study understanding and comprehension
- Targeted, customized intervention to support struggling Learners
- Actionable data to monitor progress and inform instruction







# NC STANDARD COURSE OF STUDY-BASED ASSESSMENTS

DIAGNOSTIC/ BENCHMARKING NC EOG

PRACTICE TESTS

CURRICULUM-BASED ASSESSMENTS

FORMATIVE AND INFORMATIVE

BRAIN BREAKS EXIT TICKETS

Create and customize assessments from 65,000+ questions.

Choose pre-created assessments for multiple grade levels and standards.



Teacher-assigned or automatically prescribed from *Insight* results

Corrective feedback, text-to-speech features, and built-in rewards

Quiz mode and game mode



DIFFERENTIATED, ADAPTIVE, NC STANDARD COURSE OF STUDY-DRIVEN PRACTICE

PERSONALIZED FORMATIVE

PRESCRIBED MOTIVATIONAL



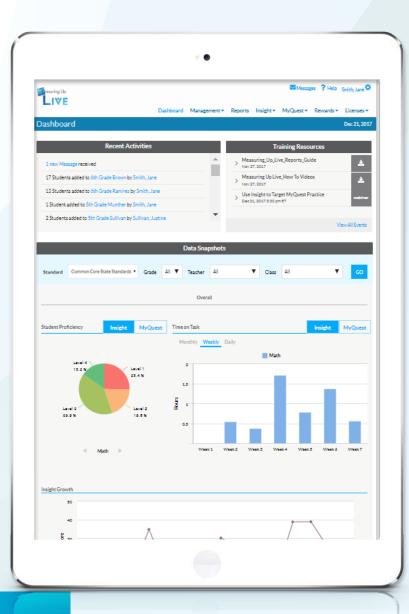
Available 24/7
ONLINE ACCESS
for ongoing assessment & practice

# A Single Management System to Drive Instruction!

Receive unparalleled access to student performance data.

#### **NEW!**

Enrollment and Rostering Options through Clever, Google Classroom, One Roster, and Classlink.



#### **Diagnostic Assessments**

- Access a variety of NC EOG Test diagnostic and formative assessments.
- Create your own assessments.
- Use filters to pinpoint questions by item type, difficulty level, or cognitive levels.

#### **Differentiated and Adapted Practice**

A Personalized Learning Path is generated based on performance and assessment results.

#### **Real-Time Data**

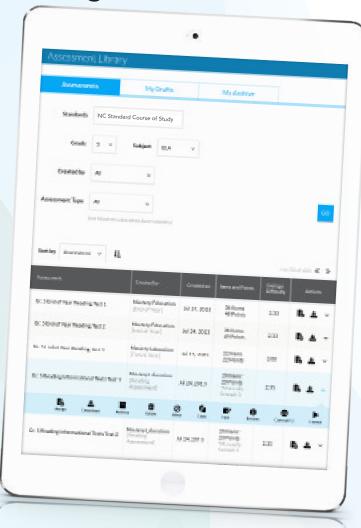
Make a positive impact on student learning with actionable data.

## **Multiple Measures to Monitor Learning**

Using the student-friendly dashboard, students monitor assignments, view needed skills, monitor achievements, and witness their own success.



- Assigned assessments are posted on the student dashboard.
- Students experience questions in the same format as the state assessment including navigation tools.
- Assessment results are listed, making it easy to view progress.







- Personalized practice assignments are posted on the student dashboard.
- Practice scores are immediately posted.
- Students access learning games, leader board, and rewards from the dashboard.



Get immediate access to results by item.

#### **Access to Actionable Data**

Inform instruction and practice to master the NC Standard Course of Study.

Measuring Up Live 2.0 analytics provide access to real-time data.

- Adjust instruction, group students, and connect with families.
- Reporting for individual students, and by class, grade, and school.



## **Target the Needs of Every Student**

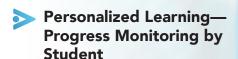
Maintain a positive impact on student learning.

Differentiated Instruction with Insight assessment data to personalize a learning

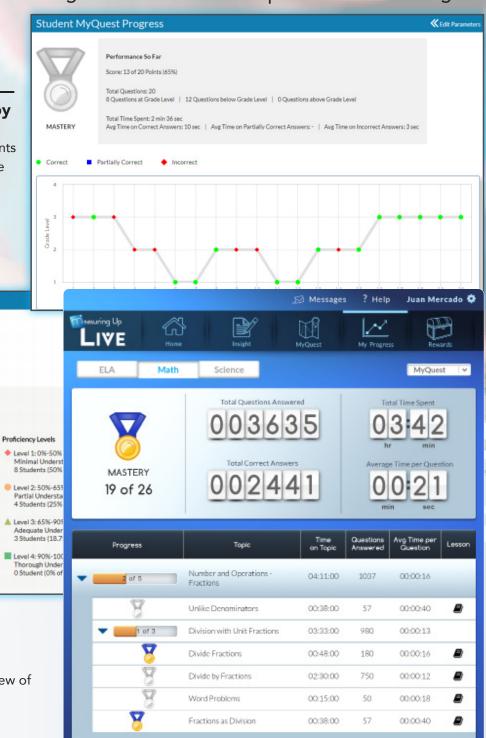
path through MyQuest.

Class Intervention Grouping

Grade 3 Sample Class | Grade 3 Math | Insight Performance All Assessments within the time frame Aug 25 to Sep 25



Teachers can see how students level up and down within the program.



## My Progress

Motivate students with a view of real-time progress.

Level 1 : 8 Students (53.33%)

00:15:00

Measurement & Data

00:00:25





# **Create Your Own NC Standard Course of Study-Based Assessments**

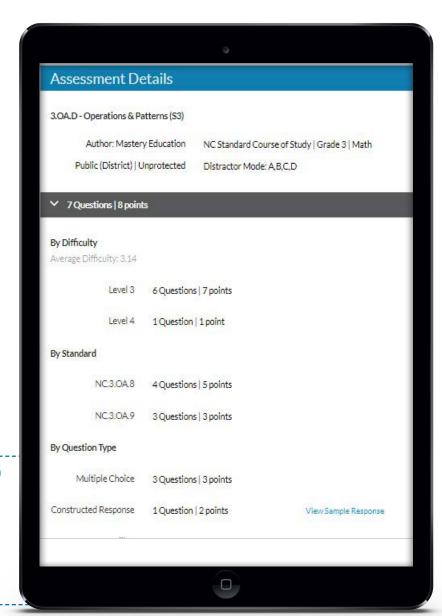
Each site license provides access to the appropriate subject and grades. The Item Bank includes:

- Over 65,000 test questions organized by NC Standard Course of Study.
- Hundreds of reading passages including informational texts, poetry, and drama.
- Difficulty levels and cognitive scale identified for all questions.
- Higher-level questions that match the rigor of the NC EOG.
- Ability to edit and print your custom assessments.
- Measuring Up Insight
   assessments are downloaded
   to either PDF or Microsoft
   Word format.

Only 3 steps to create your assessment! Select the standard(s) you wish to assess.



Print your Insight assessment.



#### Measuring Up Live 2.0 Ordering Information

Combo: Measuring Up Insight + Measuring Up MyQuest: Grades 1–8		
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978-1-60979-471-2	Insight + MyQuest 2.0: ELA	\$14.95
978-1-60979-470-5	Insight + MyQuest 2.0: Math	\$14.95
978-1-60979-472-9	Insight + MyQuest 2.0: Science	\$14.95
978-1-60979-473-6	Insight + MyQuest 2.0: Math/ELA	\$18.95
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#### **Measuring Up Insight**: Grades 1–8

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978-1-60979-446-0	Insight 2.0: ELA	\$11.95
978-1-60979-445-3	Insight 2.0: Math	\$11.95
978-1-60979-447-7	Insight 2.0: Science	\$11.95
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978-1-60979-453-8	Insight 2.0: Math/Science	\$14.95
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A minimum order of 31 licenses per subject/per grade required.

Measuring Up MyQuest: Grades 1–8			
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978-1-60979-469-9	MyQuest 2.0: Math/ELA/Science	\$14.95	
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	district pricing!

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Live 2.0 and build standards mastery."

**Dr. Kathy W. Dames,** Educational Consultant and **Measuring Up** Professional Development Author

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