

A background image showing the faces of several young children, likely in a classroom setting, looking towards the camera. The image is faded and serves as a backdrop for the text.

2nd Grade Curriculum

2014 - 2015

NOAH WEBSTER
SCHOOLS



Beyond Textbooks (BT)

Beyond Textbooks (BT)

- Reading (Language Arts) and Math
- Weekly Packet Note will inform you of the current standards.
- Unwrapped Documents
- Essential and Additional Standards
- Grades: Each Essential Standard in BT
 - Common Formative Assessment (CFA)
 - Parallel Assessment
 - Standard Assessment



Assessing Our Students

Assessment

- Each BT standard has 3 assessments
 - BT Common Formative Assessment
 - BT Parallel Assessment
 - Standard Assessment to take the standard above grade level

Common Formative Assessment

- 5 questions given on the current standard to see if mastery is reached
- 3 multiple choice items
- 2 extended response
- If the student does not earn all the points possible, the student receives additional instruction and is given a parallel assessment the following week
- If the student earns all points possible, the student will enrich the standard the following week

Parallel Assessment

- 5 questions given on the current standard
 - Assesses mastery after a re-teach opportunity
 - Checks for retention of skill
- 3 multiple choice items
- 2 extended response
- The score of the parallel is averaged with the score of the common formative to give a combined grade in the grade book

Reteach & Enrich

- Students that need additional opportunity to demonstrate mastery after the Common Formative Assessment will attend Reteach classes Monday through Friday, 12:30 to 1:00
- Students who demonstrate mastery will be given material to Enrich the standard during the same time period

A teal-tinted photograph of a teacher and four students smiling in a classroom setting. The teacher is on the right, and the students are on the left and center. The background shows a whiteboard with some faint writing.

Math Curriculum Overview

2nd Grade Math Curriculum

- Describe and create a number from 0-999 using ones, tens, hundreds
- Calendar and Temperature
- Show numbers by using standard form, written form, expanded notation and models
- Skip count by 2, 5, 10, 100 to the number 1,000
- Add numbers with and without regrouping including money
- Subtract numbers with and with out regrouping including numbers
- Distinguish between odd and even numbers and justify my reasoning
- Using a Number line
- Add or subtract by 10 or 100 using mental math

2nd Grade Math Curriculum

- Count coins and bills to \$100.00
- Describe and compare polygons and 3 D shapes
- Identify and justify whether a 2D shape has a line of symmetry
- Compare numbers using words and symbols
- Measure the length of an object using appropriate customary tools (weight and capacity)
- Identify the key information in a word problem and solve for the unknown number (identify the question)
- Collect, record, organize, and display data using graphs. Asking questions?

2nd Grade Math Curriculum

- Recognize, describe, extend, create, and find missing numbers in a pattern
- Write and explain fractions in different ways
- Tell time to the nearest 5 minute using a.m. and p.m.
- Identify the value of an unknown number through 100
- Apply and interpret the concept of addition and subtraction as inverse operations (fact families)
- Commutative property through 100's place value (apply properties to solve add/sub problems)

2nd Grade Math Curriculum

- Measure length of objects using appropriate metric tools (weight/capacity)
- Arrange objects into equal rows and columns, and write an equation to find the total sum
- Multiplication word problems
- Solve word problems for an unknown number involving same units of measure
- Find the area of a rectangle
- Estimate the length of a given object

Unwrapping Essential Standard Math

Domain- Geometry			
Cluster- Reason with shapes and their attributes.			
Standard- UW.2.M.G.01 Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces. Identify triangles, quadrilaterals, pentagons, hexagons, and cubes. (Sizes are compared directly or visually, not compared by measuring.) *(Vail 3-dimensional shapes)			
Student Friendly: I can describe and compare polygons. (Vail 3-dimensional shapes)			
Concepts (Nouns)	Skills (Verbs)	Knowledge	Cognitive Process
Attributes Sides Vertex Point Length Polygons Symmetry (halves, equal) Triangle Square Rectangle Rhombus (diamond) Pentagon Hexagon Trapezoid Quadrilateral Regular Irregular Opposing side Model Line Vail Sphere Cube Cone Cylinder Pyramid Rectangular prism 3-D Shapes Faces Edges	Identify Compare Measure Draw Construct Describe	<input type="checkbox"/> Factual <input checked="" type="checkbox"/> Conceptual <input type="checkbox"/> Procedural <input type="checkbox"/> Meta -Cognitive	<input type="checkbox"/> Remember <input type="checkbox"/> Understand <input type="checkbox"/> Apply <input checked="" type="checkbox"/> Analyze <input type="checkbox"/> Evaluate <input type="checkbox"/> Create <u>DOK Level 3</u> Strategic Thinking

Unwrapping Essential Standard Math

Big Ideas
<ol style="list-style-type: none"> Students can identify parts of a polygon. Students can classify and compare different polygons. 3-D figures have attributes. 3-D figures are made from 2-D shapes.
Essential Questions
<ol style="list-style-type: none"> What is a polygon? What attributes go with specific polygons? What is a polygon? How are all polygons the same? What is a polygon? How are all polygons different? What is an irregular polygon? How is it different than a regular polygon? What two-dimensional shapes make up 3-dimensional figures. How are they related? What are the attributes of 3-D figures? How are the attributes of a 3-D figure unique?
Common Misconceptions
Counting correctly faces, vertices, and edges. Identify shapes correctly.
Standards for Mathematical Practices
<ol style="list-style-type: none"> MP.4. Model with mathematics. MP.7. Look for and make use of structure.
Performance Task / Model Product Example
<p>Task: Students will construct two polygons and create a list of similarities and differences.</p> <p>EXAMPLE:</p> <ol style="list-style-type: none"> An irregular polygon has sides of different lengths and angles. A regular polygon has equal sides and angles. Use line symmetry as an attribute. <p>Vail Make a graphic organizer that names the 3-D figure and its attributes and that it is similar to the 3-D figure. Example- Cube 6 faces, 8 vertices, 12 edges</p>

A teal-tinted photograph of a smiling teacher and three young students in a classroom setting. The teacher is on the right, and the students are on the left and center. The text "Daily Math Skills (DMS)" is overlaid in white on a dark teal rectangular background.

Daily Math Skills (DMS)

Daily Math Skills (DMS)

- 2nd grade skills: addition and subtraction through 20, double digit addition with and without regrouping, double digit subtraction with and without regrouping
- Fluency goal for mastery in 2nd grade is 40 correct
- 20 minutes a day to focus on math skill fluency
 - Practice with a partner (focus on accuracy)
 - Individual practice (focus on speed and accuracy)
 - Scoring
 - Fix problems missed
 - Record score on homework log

Daily Math Skills

DMS Example

2nd Grade Probe 10			A
Set 1			
$\begin{array}{r} 17 \\ - 9 \\ \hline \end{array}$	$\begin{array}{r} 98 \\ - 79 \\ \hline \end{array}$	$\begin{array}{r} 40 \\ - 16 \\ \hline \end{array}$	$\begin{array}{r} 87 \\ - 59 \\ \hline \end{array}$
$\begin{array}{r} 90 \\ - 88 \\ \hline \end{array}$	$\begin{array}{r} 62 \\ - 53 \\ \hline \end{array}$	$\begin{array}{r} 20 \\ - 14 \\ \hline \end{array}$	$\begin{array}{r} 75 \\ - 16 \\ \hline \end{array}$
$\begin{array}{r} 44 \\ - 19 \\ \hline \end{array}$	$\begin{array}{r} 71 \\ - 44 \\ \hline \end{array}$	$\begin{array}{r} 30 \\ - 19 \\ \hline \end{array}$	$\begin{array}{r} 50 \\ - 47 \\ \hline \end{array}$
$\begin{array}{r} 84 \\ - 77 \\ \hline \end{array}$	$\begin{array}{r} 77 \\ - 69 \\ \hline \end{array}$	$\begin{array}{r} 72 \\ - 17 \\ \hline \end{array}$	$\begin{array}{r} 38 \\ - 29 \\ \hline \end{array}$
$\begin{array}{r} 66 \\ - 19 \\ \hline \end{array}$	$\begin{array}{r} 54 \\ - 26 \\ \hline \end{array}$	$\begin{array}{r} 94 \\ - 45 \\ \hline \end{array}$	$\begin{array}{r} 18 \\ - 9 \\ \hline \end{array}$
$\begin{array}{r} 86 \\ - 38 \\ \hline \end{array}$	$\begin{array}{r} 46 \\ - 29 \\ \hline \end{array}$	$\begin{array}{r} 34 \\ - 18 \\ \hline \end{array}$	$\begin{array}{r} 28 \\ - 19 \\ \hline \end{array}$
$\begin{array}{r} 45 \\ - 26 \\ \hline \end{array}$	$\begin{array}{r} 96 \\ - 47 \\ \hline \end{array}$	$\begin{array}{r} 48 \\ - 19 \\ \hline \end{array}$	$\begin{array}{r} 91 \\ - 36 \\ \hline \end{array}$

A teal-tinted photograph of a smiling teacher and three young students in a classroom setting. The teacher is on the right, and the students are on the left and center. The text 'Reading Curriculum Overview' is overlaid in white on a dark teal rectangular background.

Reading Curriculum Overview

2nd Grade Reading Curriculum

- ABC order to the 2nd or 3rd letter
- Distinguish between long and short vowel sounds
- Use sounds and letter patterns to make a word
- Identify the author's main purpose and how he/she supports specific points in the text
- Tell about the characters, setting, and plot of a story by using print, digital text, and illustration.
- Describe how characters in a story respond to major events and challenge.
- Use prefixes and suffixes to help me understand what words mean

2nd Grade Reading Curriculum

- Apply knowledge of basic syllabication rules.
- Find information in expository text using: titles, table of contents, headings, captions, glossary, subheadings, electronic menus, bold print, icons, and how they clarify text.
- Ask clarifying questions to demonstrate understanding of key details in a text.
- Answer questions such as who, what, where, when, why,
- Retell stories from diverse cultures and determine their central message, lesson, or moral
- Compare and contrast the same topic using different text.

2nd Grade Reading Curriculum

- Compare and contrast two or more versions of the same story by different authors or from different cultures
- Describe the overall structure of a story.
- Describe how words and phrases supply rhythm and meaning in a story, poem, or song.
- Find the main idea in a multi paragraph test

Essential Standard

G2.1R.C3.PO2. Apply knowledge of basic syllabication rules when decoding two- or three-syllable written words (e.g., su/per, sup/per, fam/i/ly).

I can apply knowledge of basic syllabication rules.

Concepts (Nouns)	Skills (Verbs)	Knowledge	Cognitive Process
syllabication rules words letter sound knowledge vowel consonant	Apply	<input type="checkbox"/> Factual <input type="checkbox"/> Conceptual <input type="checkbox"/> Procedural <input type="checkbox"/> Meta - Cognitive	<input type="checkbox"/> Remember <input type="checkbox"/> Understand <input type="checkbox"/> Apply <input type="checkbox"/> Analyze <input type="checkbox"/> Evaluate <input type="checkbox"/> Create

Big Ideas

1. Words can have more than one syllable and can be divided into those syllables.
2. Syllables are specific sound segments made up of only one vowel sound.
3. Reading fluently leads to natural sounding reading.

Essential Questions

1. What is a syllable? How can you break a word apart in syllables? Every syllable must have a vowel.
2. What are syllables? How does understanding syllables help you read?

Performance Task / Model Product Example

Students will be given a list of words of two and three syllable words. Students need to divide those words into syllables.

Extension: Students will write their own sentences using multi-syllabic words and read them fluently.

2nd Grade Reading Curriculum

McGraw-Hill Reading

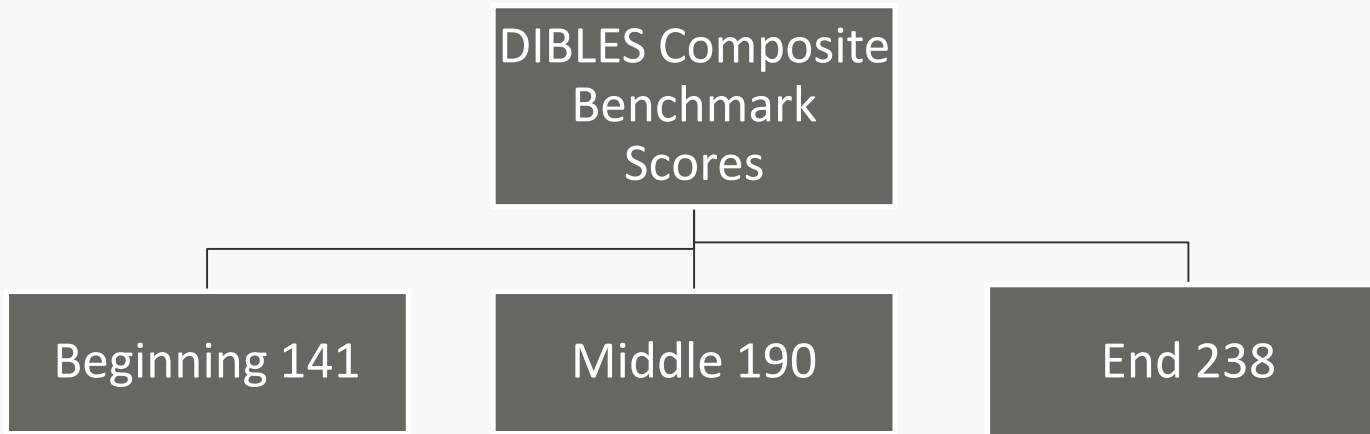
- Vocabulary
- Reading Comprehension
- Reading Strategies
 - Story Elements
 - Cause/Effect
 - Compare/Contrast
 - Author's Perspective and Point of View
 - Sequencing
 - Draw Conclusions
 - Main Idea

2nd Grade Reading Curriculum

McGraw-Hill Reading

- Summarize
- Problem/Solution
- Make Inferences
- Form Generalizations
- Fiction/Non Fiction
- Predict

DIBELS



- Students falling short of benchmark goals are given a specific test to define skill deficiency
- Groups are formed to help with specific reading skills for students below the fluency goal

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Spelling Curriculum Overview

2nd Grade Spelling Curriculum

- K12 reader program
- 22 spelling words
 - Phonetic spelling
 - Sight words
 - Academic words
 - McGraw Hill story vocabulary

Name _____

2nd Grade Spelling

Spelling List Example

1. over
2. new
3. sound
4. take
5. only
6. car
7. park
8. hard
9. barn
10. card
11. shark
12. family
13. compare
14. contrast
15. timeline
16. map
17. capture
18. liquid
19. ruin
20. serious
21. skills
22. struggles

Spelling List 6

Sight words, r-controlled "a", and academic vocabulary

1.	
2.	
3.	
4.	
5.	
6.	
7.	
8.	
9.	
10.	
11.	
12.	
13.	
14.	
15.	
16.	
17.	
18.	
19.	
20.	
21.	
22.	

*17-22 are vocabulary (challenge) words from the McGraw-Hill reading series studied in class.

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Grammar Curriculum Overview

2nd Grade Grammar Curriculum

- Evan Moore Language Fundamentals
 - Sentences
 - Nouns
 - Adjectives
 - Pronouns
 - Verbs
 - Adverbs
 - Capitalization
 - Abbreviations
 - Punctuation

2nd Grade Grammar Curriculum

- Usage
- Vocabulary
- Sentence editing



Social Studies & Science Curriculum Overview

2nd Grade Social Studies Curriculum

- Studies Weekly Magazine Curriculum
- United Streaming media
 - Citizenship
 - History/Exploration
 - Technology
 - Maps and Globes
 - American Culture
 - Resources
 - Goods/Services

2nd Grade Science Curriculum

- All Students Kindergarten through 6th Grade (K-6th) will be exploring the basic fundamentals, concepts, and principles of science to include:
 - Scientific Method (Formulation and validation of Hypothesis with experimentation)
 - Animal and plant biology
 - Earth, space, and environmental Science
 - Geology (Study of different rocks, elements, metals)
 - Chemistry
 - Science World
 - Reading Comprehension

2nd Grade Science Curriculum

- Butterflies
- Life Cycles
- Inventors/contributors
- Weather/Water Cycle
- Solids, Liquids, Gases
- Body systems
- Simple Machines

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Writing Curriculum Overview

2nd Grade Writing Curriculum

- Write From The Beginning
 - 2nd grade builds the solid foundations of writing to lead to 5 paragraph writing in 3rd grade
 - Flee maps are used to organize the parts of the writing process
 - Use color coding to keep writing organized (each color will become a paragraph in 3rd grade)
- Writing Genres
 - Narratives
 - Letter writing
 - Research

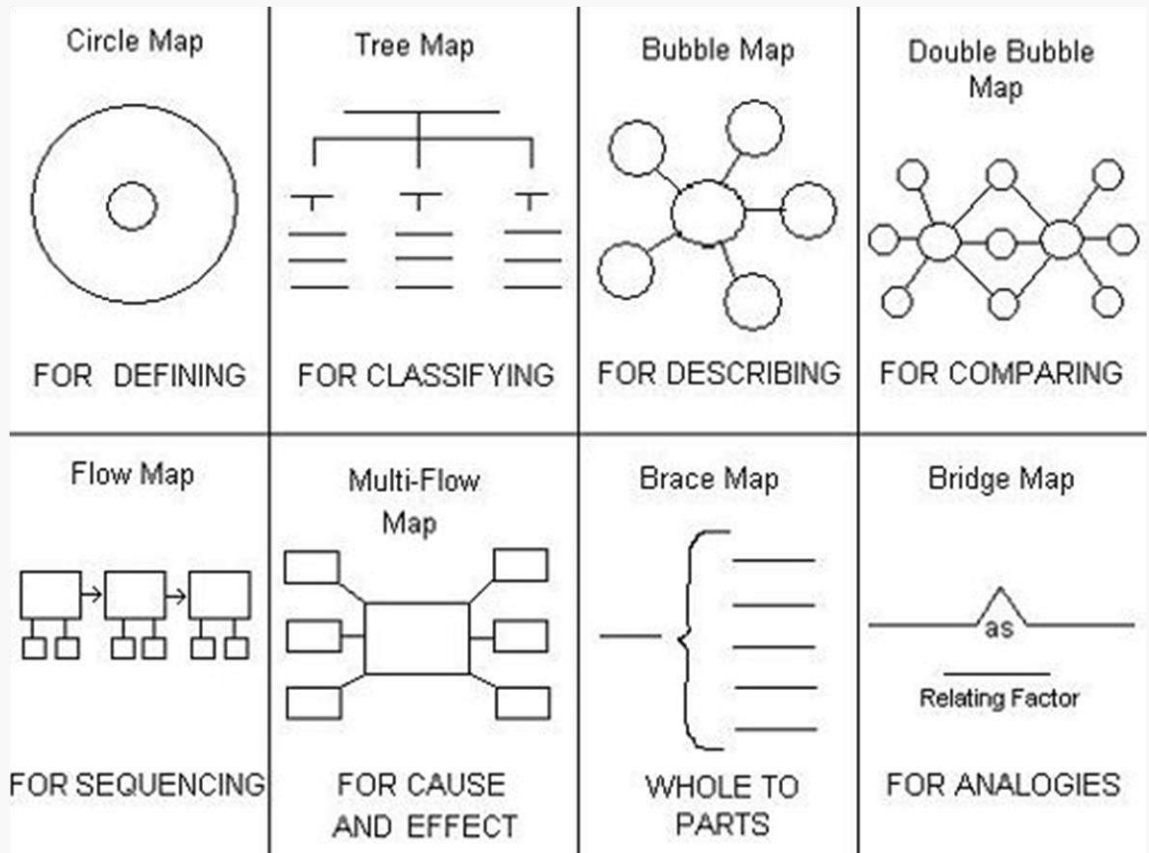
2nd Grade Writing Curriculum

- Poetry
- Functional
- Expository
- Persuasive
- Literary Response

Thinking Maps

- Specific ways to organize specific information
- Used across all academic subjects

- Circle
- Bubble
- Double Bubble
- Tree
- Flow
- Multi-Flow
- Brace
- Bridge



A Typical Day

Bell Work	8:30 – 9:15
Spelling/Grammar	9:15 – 9:45
<i>Recess</i>	<i>9:45 – 10:00</i>
Reading/Start Math	10:00 – 11:25
Lunch	11:25 – 12:00
Math	12:00 – 12:30
Reteach and Enrich	12:30 – 1:00
Daily Math Skills	1:00 – 1:20
Writing	1:20 – 1:45
<i>Recess</i>	<i>1:45 – 2:00</i>
Computer or Science or Social Studies	2:00 – 2:45
Pack Up	2:45

Technology

- Polyvision Smartboard
 - Allows for interactive activities for engaging learners
 - Instant access to multimedia for visual learners
- 2nd grade class set laptops
 - 1 hour a week (two 30 minute sessions) on A+ Math Program
 - 1 (30 minute session) once a week on A+ Reading Program
 - 30 minutes a week (two 15 minute sessions) keyboarding skills
 - A+ can be used at home

Technology

- A+ Program for Reading and Math
 - Students will get a pretest on the skill first
 - If students master the pretest at 80% or higher, they move on to the next skill
 - If students score less than 80% on the pretest, the student is give the lesson on that concept. The lesson includes
 - Study (2 minutes must be spent in this section)
 - Practice test
 - Mastery test (the score must be 80% or higher to pass)
 - A+ Link: <http://noahwebster.lrpnow.com>
 - Program can both enrich and re-teach reading and math skills
 - A+ can be used at home.

Technology

- Fuse Document Camera
 - Allows for teacher modeling on any activity/assignment
 - Allows for students to share their work with class

Field Trips

- Integral part of meeting individual learning styles and coincides with Arizona State Standards
 - Butterfly Field Trip– exploration into life cycles of plants and butterflies
 - Bodyology– musical about body systems

Homework

- Homework log record:
 - 15 minutes of reading/daily comprehension
 - 1 minute fluency page
- Nightly homework to be turned in:
 - Spelling activity
 - Daily homework page
 - Ask your child to explain how they got the answer
 - Daily Math Skill practice
 - Friday- turn in daily comprehension

How Can You Help At Home?

- **A+:** <http://noahwebster.lrpnow.com>
- **Spelling City:** www.spellingcity.com
 - Spelling Lists, Games & Practice

Report Cards/Midterm Grades

- Each academic subject (math, language arts, spelling, science, social studies, writing) is given a percentage grade
- Language Arts includes grades for reading and grammar
- Homework is part of academic overall grade for honor roll
- Penmanship is not a part of the academic overall for honor roll

2nd Grade Specials

- Physical Education (P.E.)
 - 30 minutes, once a week
 - Please help your child wear appropriate footwear and bring a water bottle when they have P.E.
 - Activities focus on team work, sportsmanship, personal integrity and fair play.
- Music
 - 30 minutes, once a week
 - Lessons are presented in three-week units with an assessment at the end.
 - Utilizes interactive white board activities and a variety of engaging songs, instruments, and games.

Noah Webster Library

- Through our Noah Webster website, Quest allows students to access our current library catalog system from anywhere they have access to the Internet.

New & Exciting

For art and library volunteer information please stop by the Multipurpose Room or contact your child's teacher by email or phone.

Final Questions

If you have any questions regarding the 2nd grade curriculum or have questions about your child specifically, please email or call your child's teacher.



Thank you for your support and I
look forward to a great year!

2015 - 2014

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