



4th Grade Curriculum

2014 - 2015

NOAH WEBSTER
SCHOOLS

4th Grade Wildcats!

Welcome To Our Class!



Beyond Textbooks (BT)

Beyond Textbooks (BT)

- Reading (Language Arts), Math, and Science
- Weekly Newsletter will inform you of the week's BT standards
- Unwrapped Documents: Going Deeper
- Essential Standards
- **Grades:** Three for Each Essential Standard in BT
 - Common Formative Assessment (CFA)
 - Additional Standard Assessment (Either before or after the SA)
 - Parallel Formative Assessment (Parallel will be added to the grade book.)

Beyond Textbooks (BT): Reading

- Organizational Features of Expository Text
- Root Words, Prefixes, and Suffixes
- Context Clues to Understand Word Meaning
- Problem and Solution
- Point of View
- Author's purpose
- Types of Literature
- Graphic Organizers to Understand What I Read
- Historical and Cultural Aspects of Stories
- Identify Types of Nonfiction: Inform, Describe, Explain

Beyond Textbooks (BT): Reading

- Find Information from Everyday Reading
- Describe Characters by What They Say, Do, and Think
- Fact and Opinions in Nonfiction Selections
- Reading Strategies: Cause and Effect, Sequencing, Inferring, and Drawing Conclusions
- Information from Charts and Graphs, Tables, Timelines, Maps, Diagrams, and Illustrations
- Compare and Contrast Characters, Events, and Settings
- Identify Persuasive Vocabulary: Exaggeration and Emotional or Loaded Words

A teal-tinted photograph of a smiling teacher and four diverse students 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.

Assessing Our Students

Common Formative Assessment: Math & Reading

- 5 questions given on the current standard being taught to see if mastery has been met
- 3 multiple choice items
- 2 extended response questions (except Science)
- Score is out of 20 points
- If score is 16 points or lower, the student receives additional instruction (reteach) and is given a parallel assessment which is added to the grade book. If mastered then students will be enriched on that same standard and then take a parallel test.

Reteach & Enrich

- Students who score *16/20 or less* on the Common Formative, attend reteach class for one week from 2:00-2:30 daily and take the Parallel Formative Assessment on Fridays to show mastery and improve their grade.
- Students who score *20/20* on any Common Formative Assessment attend Enrich Class to extend their learning with above grade level material and then retest.

Parallel Formative Assessment: Math & Reading

- 5 questions given on the current standard to see if mastery is met after student has attended Reteach Class
- 5 multiple choice items or 3 multiple choice and 2 extended response

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Math Curriculum Overview

4th Grade Math Curriculum

Quarter 1

- Multiplication and Division Facts Through 12
- Make and Explain Tree Diagrams
- Strategies for Multiplying 4 Digits by 2 Digits and Multi Digit by one Digit
- Use Multiple Strategies to Divide Whole Numbers of 4 Digit Dividends with one- Digit Divisors with Remainders
- Draw and Describe Relationships between Points, Lines, Line Segments, Rays, and Angles, including Parallelism & Perpendicularity
- Describe and Classify Triangles by Angles and Sides

4th Grade Math Curriculum

- Draw Right, Acute, Obtuse, and Straight Angles and identify in other Geometric Figures
- Compare and Order Decimals to the Thousandths Place
- Add and Subtract Decimals and Fractions with Common Denominators
- Read, Write, and Connect Models of Fractions, Decimals, and Whole Numbers and Percentages
- Find the Rule of a Number Sequence and Prove it Works

4th Grade Math Curriculum

Quarter 2

- Area and Perimeter
- Reasonable Estimates using Whole Numbers and Fractions
- Probability of an Event using Words and Numbers
- Identifying Similar Problems and Strategies to Solve
- Collect, Record, Display Data Using Double Bar Graphs, Line Graphs, and Circle Graphs
- Name and Locate Ordered Pairs on a Graph
- One Step Equations Involving Addition, Subtraction, Multiplication, and Division
- Metric System Measurement of Length, Mass, and Capacity

4th Grade Math Curriculum

Quarter 3

- U.S. Customary System Measurement of Length, Mass, and Capacity
- Converting within the same Measurement System using both Metric and U.S. Customary Units
- Compute Elapsed Time to the Minute
- Identify Change in Value Over Time and Make Predictions
- Select and Use Reasonable Strategies to Solve Problems
- Explain Why Fractions are Equivalent using Models
- Compare and Justify Fractions with Unlike Denominators

4th Grade Math Curriculum

Quarter 4

- Separate Fractions by using an Equation
- Add and Subtract Mixed Numbers with Like Denominators
- Solve Word Problems by Adding and Subtracting Fractions with Like Denominators
- Multiply Fractions by Whole Numbers
- Solve Word Problems Involving Multiplication of Fractions by Whole Numbers
- Recognize and Draw Line of Symmetry of 2-Dimensional Figures
- Use a Line Plot to Represent Fractions and Relationships

4th Grade Math Curriculum

- Analyze an Angle to Find its Missing Parts
- Compare the Two Sides of Multiplication Equations

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)

- Addition and Subtraction Facts 0–20
- Multiplication Facts 0–12
- Division Facts 0-6
- Division Facts 0-12
- Multiply 2 Digits by 1 Digit
- Add, Subtract, Multiply, and Divide
- Multiply and Divide with Missing Numbers
- Divide 1 Digit into 2 Digits without a Remainder
- Divide 1 Digit into 2 Digits with a Remainder
- Add, Subtract, Multiply, and Divide

Goals of Daily Math Skills (DMS)

- Fluency Goal for Mastery in 4th grade is 60 correct for Skill Probes 1-4 and 80 correct for Skill Probes 5-9
- 20 minutes a day, we focus on Math Skill Fluency
 - Practice with a partner (focus on accuracy)
 - Individual practice (focus on speed and accuracy)
 - Scoring of daily assessment
 - Record score on individual progress chart

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Reading Curriculum Overview

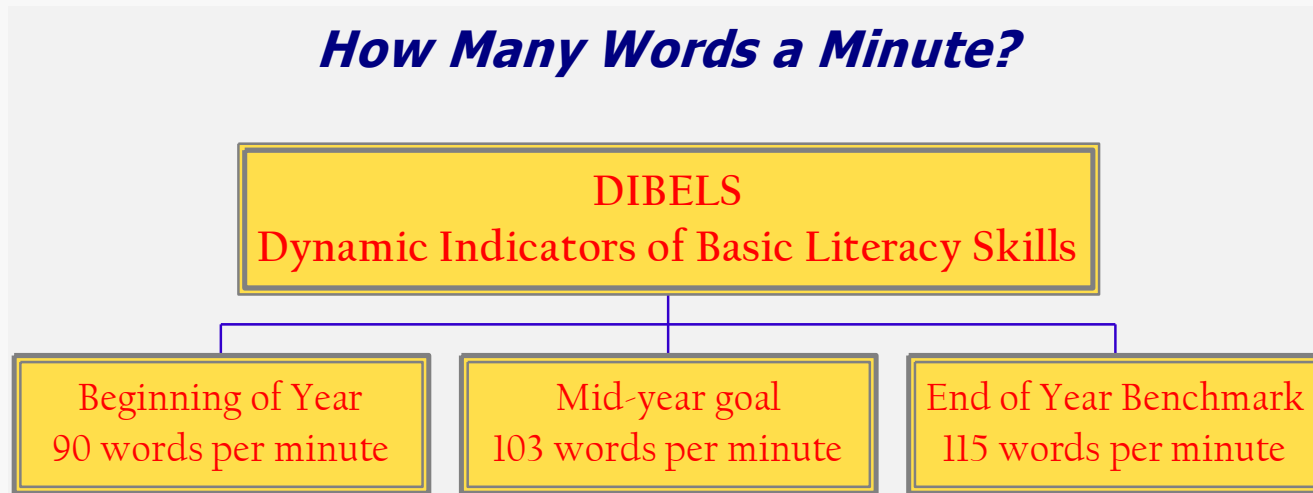
5th Grade Reading Curriculum

- McGraw-Hill Reading
- Weekly Story at Class Reading Level and Reading Comprehension Questions
 - Reading Strategies
 - Story Elements
 - Make Predictions
 - Fact and Non-fact
 - Cause and Effect
 - Compare and Contrast
 - Judgments and Decisions
 - Author's Purpose and Point of View
 - Steps in a Process

5th Grade Reading Curriculum

- Sequence of Events
- Draw Conclusions
- Main Idea
- Problem and Solution
- Make Inferences
- Form Generalizations
- Fiction and Non-Fiction

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



Science Curriculum Overview

4th Grade Science Curriculum

- Science Related Jobs
- Plant and Animal Structures
- Invertebrates and Vertebrates
- Plant and Animal Adaptations
- Sources of Water: Ground Water, Surface Water, Glaciers
- Weather and Climate
- Symbols on a Map: Temperature, Weather Fronts, Precipitation
- Benefits and Risks of Technology
- Formulate Conclusions Based on Trends
- Data Supporting Predictions in Investigations
- Create New Questions and Predictions Using Data

4th Grade Science Curriculum

- Electricity
- Series and Parallel Electric Circuits
- Conductors and Insulators
- Characteristics and Relationships of Magnets
- Inferences and Observations
- Create Questions through Observations
- Make Predictions from Results
- Renewable and Nonrenewable Resources
- Environmental Changes: Floods, Tornadoes, Drought, Erosion
- Earth's Surface, Atmosphere, and Environmental Changes

5th 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 Labs & Projects

- Labs and Activities throughout Essential Standards
- Individual Science Fair Project (February)

A photograph of a teacher and four students in a classroom. The teacher, a woman with long blonde hair, is on the right, smiling. Four students are on the left, also smiling. The image is overlaid with a semi-transparent teal rectangle containing the text 'Social Studies Curriculum'.

Social Studies Curriculum

4th Grade Social Studies Curriculum

- Arizona History and Prehistoric Life in Arizona
- Map Skills
- Our Government and the Constitution
- The Ancient Puebloan People and Desert People
- Spanish Explorers and Missionaries
- Mountain Men, Lawmen, and Outlaws
- Arizona Territory and Statehood
- Early Arizona Mining and Pioneers
- Arizona Agriculture and Industry

Arizona History Projects

- Salt Dough Relief Map of Arizona's Three Regions
- Adobe House Project



Vocabulary & Spelling Curriculum Overview

4th Grade Spelling Curriculum

- K-12 Reader Program
- 21 Spelling Words per Week
 - Phonetic Spelling
 - Sight Words
 - Academic Words
 - 2 Dictation Sentences

4th Grade Vocabulary Curriculum

- Wordly Wise 3000
- 15 Words Every Other Week
 - Definitions
 - Rich Word Study
 - Academic Vocabulary

4th Grade Vocabulary

Spelling List

Example

4th Grade Vocabulary Curriculum

Wordly Wise Vocabulary

Word	Definition
1. applaud	v. To show approval, especially by clapping hands. applause: n. The showing of approval or enjoyment by cheering or clapping.
2. crafty	adj. Skilled at tricking others.
3. disclose	v. To make known.
4. drab	adj. Dull and without color; not cheerful or colorful.
5. entire	adj. Having nothing left out; whole; complete.
6. exclaim	v. To speak suddenly and with strong feeling. exclamation n. A sharp cry of strong feeling.
7. exquisite	adj. Finely done or made; very beautiful.
8. intend	v. To plan; to have in mind. intention n. An aim, plan, or purpose.
9. jeer	v. To speak or cry out in scorn; to mock. n. Something said that is meant to hurt or insult.
10. peer	v. To look closely; to stare, especially at something that is hard to see or to understand.
11. progress	n. 1. Moving toward a goal. 2. An improvement. v. 1. To move forward. 2. To advance to a higher stage; to improve.
12. refine	v. To make pure by removing all unwanted matter. adj. 1. In a pure state. 2. Having good manners and good taste.
13. scoundrel	n. A mean or wicked person.
14. uneasy	adj. Not comfortable; worried or nervous.
15. vain	adj. 1. Having too high an opinion of one's looks or achievements. 2. Without success. in vain adv. Without success or results; useless.

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Grammar Curriculum Overview

4th Grade Grammar Curriculum Overview

- Evan Moor Language Fundamentals
 - Prepositions
 - Verbs
 - Nouns
 - Types of Sentences
 - Conjunctions
 - Interjections
 - Adjectives
 - Adverbs
 - Pronouns

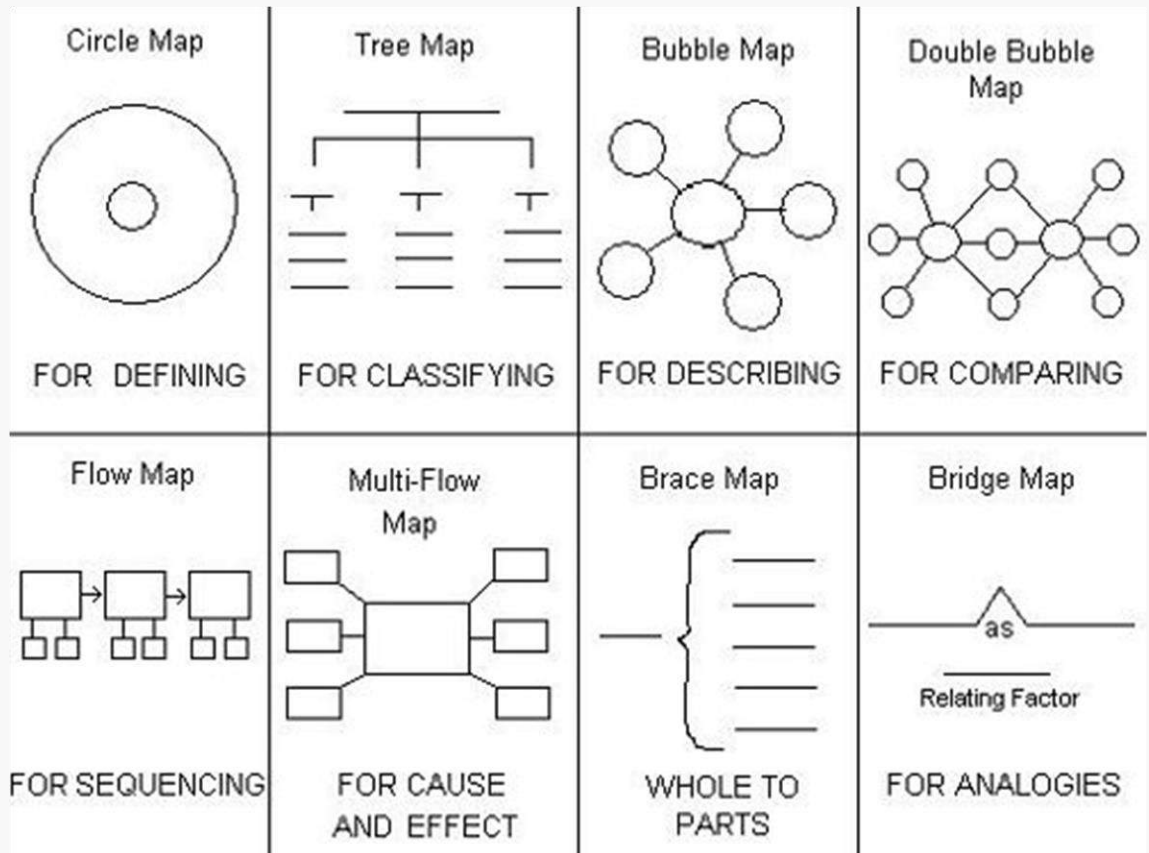
4th Grade Grammar Curriculum Overview

- Friendly Letter
- Capitalization
- Punctuation
- Writing Sentences

Thinking Maps

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

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



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Writing Curriculum Overview

4th Grade Writing Curriculum Overview

- Write From The Beginning
 - 4th Grade teaches the foundations of descriptive and detailed five paragraph writing
 - The free map and color coding are used to organize the parts of the writing process
- Writing Genres
 - Narrative
 - Letter Writing
 - Research
 - Poetry

4th Grade Writing Curriculum Overview

- Functional
- Expository
- Persuasive
- Literary Response

Technology

- Polyvision Smartboard
 - Allows for interactive activities to engage learners
 - Instant access to multimedia for visual learners
- Fourth Grade Individual Student Laptops
 - 1 hour a week (two 30 minute sessions) on A+ Math
 - 30 minutes a week on A+ Reading
 - 30 minutes a week (two 15 minute sessions) to practice keyboarding skills
 - Additional opportunities for class activities, research, practicing spelling or vocabulary, and typing assignments
 - Envisions Math: pearsonsuccessnet.com

Technology

- A+ Program
 - Students take an initial Pretest to set up a Prescription for each student
 - Lessons are individually based on results of Pretest
 - Program can both enrich and reteach math, reading, social studies and science skills
- Fuse Document Camera
 - Allows for teacher modeling on any activity or assignment
 - Allows for students to share their work with class

Technology

- Qwisdom Remotes
 - Allows teachers to check understanding instantly
 - Interactive for students/games
 - After school rotations

Field Trips

- Integral part of meeting individual learning styles and coincides with Arizona State Standards
 - Pueblo Grande Museum (October)
 - ASU (January)
 - Tentative: Broadway Palms Theater: Language Arts (December)
 - Goldfield Mining: Arizona Mining (March)
 - Tentative: Reptile Adventures: Animals / Reptiles (May)

Homework & Planners

- Monday through Thursday
- Please take out all papers on the “keep at home” side of the red homework folder every night
- Nightly Homework:
 - Reading Comprehension
 - 1 minute fluency score
 - Spelling & Wordly Wise Activity
 - Math Assignment
 - Daily Math Skill Practice (DMS)
 - Occasionally, students will be expected to study for tests or work on projects

Homework & Planners

- Parents should check homework and sign the planner nightly.

Completed homework is part of your child's daily homework grade. Students earn up to 8 points each week. 2 points for all homework completed, 1 point for partial homework completed, and 0 points for no homework. Homework is a grade averaged into GPA.

How Can You Help At Home?

- Extend your child's learning with daily practice
- **A+:** <http://noahwebster.lrpnow.com>
- **Spelling Practice:** www.k12reader.com (Grade 4 Spelling Lists & Practice), www.spellingcity.com (Games and Practice)
- **Vocabulary Practice:** www.wordlywise3000.com (Vocabulary Games and Practice - Book 4) www.spellingcity.com (Games and Practice)
- Envisions Math: www.pearsonsuccessnet.com (Math skills)

A Typical Day

Grammar/Writing/ Spelling/Vocabulary	8:35 – 9:30
<i>Recess</i>	<i>9:30 – 9:45</i>
Math	9:50 – 10:50
A+	10:50 – 11:15
<i>Lunch</i>	<i>11:15 – 11:50</i>
DMS	12:00 – 12:20
Science	12:25 – 1:25
Reading	1:25 – 2:00
Reteach and Enrich	2:00 – 2:30
Phonics	2:30 – 2:40

4th Grade Specials

- Physical Education (P.E.)
 - 30 minutes, once a week
 - Additional P.E. classes on a rotation
 - 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.



We Are Looking Forward To A
Great Year.

Thank You!

2014 - 2015

NOAH WEBSTER
SCHOOLS