

Science/Health

- Conduct an experiment using the scientific method and report findings
- Collect, organize, and interpret data through experimentation
- Describe relationships among organisms and identify physical features of plants and animals that help them adapt to their environments
- Identify survival characteristics of organisms
- Identify and describe forms of energy and their characteristics
- Describe force and motion and the principles that explain them
- Describe weathering and erosion
- Understand rotation and revolution of the Earth
- Follow proper safety procedures when conducting experiments
- Demonstrate an awareness of health/wellness topics and make healthy choices using critical decision-making skills

Social Studies

- Explain, define, and discuss the U.S. and Illinois systems of government
- Explain the significance of the rights and responsibilities of U.S. citizens
- Explain how the U.S. interacts with other nations
- Explain events, trends, individuals, and movements, which shaped the history of the U.S.
- Compare and contrast the different economic systems through history and how this exchange, production, distribution, and consumption of goods have affected our country.
- Identify major political and historical events and how they shaped the U.S.
- Understand the effect of geography on society with emphasis on the U.S.
- Describe how various cultural beliefs shape society

Physical Education

Students learn, develop, and apply skills needed for participation in personal fitness activities that contribute to healthy lifestyle. Units include:

- Fundamental gross motor skills
- Movement and spatial awareness
- Health-related fitness
- Cooperative skills

Visual Arts

The purpose of the visual arts curriculum is to have students grow creatively, intellectually, and aesthetically. Students will learn the language of the arts, develop an understanding of how works of art are produced and learn about the role of the arts in past and present civilizations.

Music

The general music program will address the language of music. Students will explore the sensory elements, organizational principles, and expressive qualities of music. Students will also learn about production and performance of music and the role of music in civilization.

Technology

The goal of technology education in District 289 is to provide students with the opportunity for technological literacy starting with the elementary curriculum. Our emphasis with students is the application of technology across all curricular areas.

Mendota Community Consolidated

School District 289

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FIFTH GRADE

Curriculum Overview



Northbrook School

Cindy Pozzi, Principal

Troy Miller, Assistant Principal

1804 Guiles Avenue

Mendota, IL 61342

Phone: 815-539-6237

Academic Program

Language Arts

Language Arts is composed of several inter-related areas: reading, writing, spelling, listening, and speaking. At the elementary level, the student is encouraged to learn to communicate clearly through development in these five areas.

Reading

- Learn and use root words and affixes to understand word meanings and to define new words
- Use a combination of word analysis and vocabulary strategies (e.g., phonics, word patterns, structural analysis, context clues) to identify words and their meanings
- Use comprehension strategies to aid in comprehension before, during, and after reading (e.g. pre-viewing, setting a purpose, questioning, predicting, surveying, hypothesis, and summarizing)
- Make connections based on prior knowledge during a variety of classroom discussions and activities
- Demonstrate understanding of structure through the use of graphic organizers and outlines
- Identify structure (e.g., description, compare, cause/effect, sequence), including significant and minor details, of a variety of text to improve comprehension
- Identify evidence to draw inferences, conclusions, and generalizations while synthesizing key points and supporting details
- Differentiate between fact and opinion.
- Use self-monitoring and self-correcting strategies to clarify understanding during reading

Reading continued:

- Read aloud with fluency and accuracy
- Read and comprehend a variety of materials
- Interpret information from tables, maps, visual aids, and charts to enhance understanding of text
- Recognize similarities/differences of varying styles or points of view while comparing the content and organization of various selections
- Make inferences and explain how a technique or element affects the events or characterization in a literary work
- Determine how character traits effect plot development in fiction
- Read and identify a variety of literary genres (e.g., realistic fiction, historical fiction, fantasy, narrative, nonfiction, biography, plays, electronic literary forms) and identify their features

Writing

- Write paragraphs that include a variety of sentence types, appropriately use the eight parts of speech and accurately spell, capitalize, and punctuate
- Compose paragraphs that include a variety of sentence types
- Use strategies like brainstorming, outlining and graphic organizers to generate ideas
- Compose multi-paragraph narrative, persuasive, and expository papers
- Revise and edit writing
- Write for a variety of purposes

Mathematics

Houghton Mifflin Math provides a comprehensive program that includes the essential building blocks in all five strands of mathematics: Number sense, Measurement, Algebra, Geometry, Probability and Data.

- Read, write and compare whole numbers to one hundred million and decimals to thousandths.
- Solve addition and subtraction problems through 10 millions without a calculator
- Solve multi-step multiplication problems up to 2-digit by 3-digit numbers
- Solve two-digit divisor problems
- Model and apply basic multiplication and division facts up to 12
- Add, subtract, and multiply decimals
- Estimate sums, differences, and products
- Add, subtract, multiply and divide mixed numbers and fractions with like and unlike denominators
- Reduce fractions to simplest form
- Read, write, and identify ratios and percentages and solve proportional relationships
- Measure length to $\frac{1}{8}$ of an inch and nearest $\frac{1}{2}$ cm., recognize basic equivalencies
- Measure, calculate and compare length, perimeter, area, weight/mass, temperature and volume within the customary and metric systems
- Evaluate algebraic expressions with a whole number sentence
- Analyze word problems and choose strategies to solve multi-step problems
- Identify, compare, analyze and classify 2- and 3-dimensional geometric figures
- Collect and organize data to create tally, bar, line, picture and circle graphs
- Describe, classify, and interpret a given set of data in order
- Determine the mean, median, mode and range given a set of data or a graph