

## Art

- Drawing
- Printmaking
- Collage
- Commercial art
- Sculpture
- Ceramics
- Painting
- Architecture
- Talking about art
- Introduction to artists and their work

## Science

### **Classroom:** *Foss Science*

- Water
- Physics of sound

### **Science Lab:**

- Bulbs and batteries
- Cells/Protozoa
- Star Lab/"Oobleck" properties
- Pendulums
- Earthworms
- Microscopes

## Health

- Themes: respect, responsibility, resiliency
- Communication
- Emotion
- Individual/community worth
- Friendship
- Conflict resolution
- Problem solving/decision making
- Human growth & development

## Information Literacy

- Develop a set of skills to meet individual needs for reading, listening, and viewing.
- Use information technology to access appropriate resources.
- Use a research process effectively.
- Communicate effectively using information technology.
- Evaluate the information technology process product.

## Homework/Independent Learning

- An age appropriate, moderate amount of homework is assigned daily.

## *Turtle Lake Elementary*

- Over 900 Students
- 32 Classroom Teachers, 5 Specialist Areas
- Comprehensive Special Education Staff
- Psychologist, Social Worker, Behavior Manager
- Supporting the whole child as we prepare them for the future
- Caring community, parents, and staff

## *Vision Statement*

Turtle Lake will provide a positive learning environment which stimulates students to develop healthy relationships and implement goals through effective problem-solving techniques in order to achieve their personal best academically and socially.

## *Parent Involvement*

Support your child's educational program at both home and school. Please contact us if you are interested in being involved with any of the following:

- PTA—Parent Teacher Association
- Academic Enrichment
- Volunteering in a classroom
- Other



[www.moundsviewschools.org/turtlelake](http://www.moundsviewschools.org/turtlelake)  
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## *Grade 4 Curriculum*

*The 3 R's  
Respect,  
Responsibility &  
the Right to  
Learn*



*2008-2009*

*Turtle Lake  
Elementary School*

## Integrated Language

### Arts

Houghton Mifflin *Reading* is an integrated language arts program including reading, speaking, listening, writing (grammar and spelling), and viewing (obtaining information visually).

#### **Reading**

- Develop excitement & enthusiasm for reading that will encourage it as a lifelong activity
- Reflect upon & connect literature to oneself through feelings and emotions
- Become familiar with the work of a variety of authors and illustrators
- Set purpose for reading according to the type, purpose, and difficulty of the materials being read
- Develop comprehension strategies—literal and inferential
- Develop study techniques

#### **Writing**

- Develop a style appropriate to purpose and audience
- Share writing at various stages of the writing process
- Use clear, concrete, and appropriate language
- Use capitalization, punctuation, and spelling to achieve clear meaning

#### **Listening**

- Use appropriate verbal and nonverbal feedback
- Identify the main idea (stories, poems, etc.)
- Be conscious of the impact a listener has on a speaker or performer
- Value listening for enjoyment, recreation, and pleasure
- Adjust listening to communicate purpose (appreciation, academic, interpersonal)

#### **Speaking**

- Respond appropriately to others
- Speak with a variety of purposes
- Speak with increasing confidence

## Mathematics

The district text is *Everyday mathematics*. Students are exposed to the following math concepts:

#### **Numeration and Order**

- Place value; read & write whole numbers & decimals; scientific notation; large & small numbers; integers; fractions; equivalence classes; relations

#### **Measures & Measurement**

- Basic measures such as length, weight, capacity, elapsed time, angles; compound measures such as area, volume, density, calories. Reference frames including ordinal numbers, time of day, dates, time lines, thermometers

#### **Operations: Mental Arithmetic & Number Systems**

- Arithmetic concepts (including meaning of operations), skills, & procedures; whole number facts & extensions (addition, subtractions, multiplication, division); estimation; number theory (including primes, composites, divisibility); properties

#### **Operations: Algorithms & Procedures**

- Multidigit procedures for whole numbers & decimals; fraction operation procedures

#### **Exploring Data & Chance**

- Find or collect data, landmarks; display data in tables, charts, graphs; probability

#### **Geometry & Spatial Sense**

- Notations, definitions, & basic relationships for 2-D and 3-D shapes; basic properties of figures; congruence, similarity, transformations

#### **Patterns, Functions, & Sequences**

- Number & visual sequences, formula models using variables

#### **Algebra & Uses of Variables**

- Properties of number systems; operations with positive & negative numbers; parenthesis; write & solve equations; relations on number lines; rules, tables, & coordinate grids

## Social Studies

Theme to be Covered: Regions of the United States

- Culture and cultural diversity
- Ways human beings view themselves in and over time
- People, places, and environments
- Interactions among individuals, groups, and institutions
- Creating change structures
- Organization of goods and services
- Global connections/current events

## Music

- Identify and perform various tempos and dynamics
- Rhythm and rhythmic patterns
- Read and write music notation
- Analyze and describe music
- Music of various cultures and times
- High/low pitches, melodic movement
- Orff, percussion
- Instruments of band and orchestra
- Music listening
- Recorder
- African Drumming
- Dance
- Play and sing music from other cultures
- Students may join orchestra
- Student may join choir

## Physical Education

- Rhythmics
- Tumbling and stunts
- Games and relays
- Track and field
- Soccer, volleyball, basketball, floor hockey, lacrosse, and tennis
- Physical fitness training and testing