

**WOODLAND
INTERMEDIATE SCHOOL**

2009-2010

**CURRICULUM
PROFILE**

4th

**Kent Ashton, Ed.D.
Principal
Intermediate School**

**Ana Fuhrer
Associate Principal
Intermediate School**

**Joy A. Swoboda, Ed.D.
Superintendent of Schools**

**Anne K. Swanson, Ph.D.
Assistant Superintendent
Curriculum, Instruction and Accountability**

The 4th grade student's day includes time for large group activities, small group activities, and individual self-directed activities that provide the children with truly integrated experiences.

The skills listed in each subject area provide a framework for classroom expectations. We recognize that children learn in different ways at different paces. Your child's teacher will be able to differentiate instruction on the basis of your child's interests within the subject, readiness for learning and learning style. Teachers use a variety of methods for assessing your child's learning.

If you have questions about what is taught in your child's classroom, please contact the teacher, the principal or the Department of Curriculum, Instruction and Accountability.

Subject Areas:

- **Language Arts**
- **Social Studies**
- **Mathematics**
- **Science**
- **Physical Education**
- **Health**
- **Technology**
- **Art**
- **Music**

**WOODLAND SCHOOL
DISTRICT 50
1105 N. HUNT CLUB ROAD
GURNEE, IL 60031**

Language Arts

Reading

- Clarify appropriate word meanings using various resource materials
- Analyze words and phrases in context
- Utilize various pre-reading strategies to increase comprehension: skimming, self-questioning, predicting
- Apply various reading strategies to analyze different genres
- Draw inferences and relate them to the author's purpose
- Compare and contrast texts
- Determine cause and effect
- Explain onomatopoeia, foreshadowing, humor, and puns that affect meaning

Writing

- Incorporate appropriate capitalization and punctuation
- Demonstrate correct use of possessive nouns, comparative and superlative adverbs, irregular verbs and prepositions
- Understand connotation and denotation, metaphors, similes, formal and informal language, specialized technical words
- Compose well-organized and coherent writing through focused topics and effective note-taking
- Edit and proofread by eliminating run-on and fragment sentences
- Communicate descriptively using sensory words, transitional words and compare/contrast ideas
- Write effective persuasive, expository and narrative essays

Listening/Speaking

- Speak effectively using appropriate language and new vocabulary
- Understand the importance of using appropriate styles of speaking for specific audiences and situations
- Create effective presentations for providing clear information

Literature

- Understand how literary elements and techniques are used to convey meaning
- Formulate thematic, comparative, creative and critical responses to literature
- Understand literature accessing prior knowledge, using inferences and drawing conclusions
- Analyze fiction and non-fiction materials in thematic collections

Research

- Understand how to formulate questions, organize timelines, use resources and create a presentation using the research process
- Evaluate sources based on accuracy, reliability and up-to-date information
- Utilize information for research based on sorting, integrating and organizing outlines and numbered notes.
- Produce a bibliographical notated list supporting research

Social Studies

Units

- Introduction to the US
- State of Illinois
- Regions of the US

Geography

- Determine the effects of the geographical settings on the regions
- Describe the location of regions and their agricultural importance
- Identify resources whose value has changed over time
- Compare ways the physical environment is used to meet the needs of people
- Analyze how the physical features of Illinois have affected settlement patterns

History

- Identify turning points in local and Illinois history and their significance
- Describe the importance of land to Native American tribes
- Explain how agricultural/industrial regions help growth and development of the US
- Interpret symbolism of images/icons found on historical memorials, murals or monuments
- Describe changes in a region or place using an historical atlas

Government

- Distinguish between powers and responsibilities of local, state and federal government

- Explain citizen's rights and restrictions upon government afforded to Americans through the Bill of Rights
- Analyze the functions of the three branches of government
- Analyze historical events during which groups have won their right to participate in the electoral process

Economics

- Distinguish between unemployed and non-employed persons in the economy
- Explain how wages/salaries act as incentives for people to provide labor
- Describe how state and local governments use taxes
- Identify economic activities of various groups and their impact
- Identify alternative uses for a given set of productive resources

Social Systems

- Distinguish between norms and laws
- Explain how American culture has changed over time
- Describe cultural differences in various regions in the US
- Analyze sources of information that reflect cultural traits

Mathematics

Number Sense and Computation

- Demonstrate understanding of place-value structures for whole numbers and decimals
- Represent fractions as parts of wholes, as parts of sets, as locations on a number line, and as divisions of whole-numbers
- Solve multi-step number sentences and word problems using whole numbers and the four basic operations
- Develop and use strategies to estimate results of computations and to judge reasonableness of the results
- Determine 25%, 50%, and 100% of a given group

Measurement, Money, and Time

- Accurately measure angles using a protractor
- Accurately create a representation of a polygon given the perimeter or area
- Develop and use common items for volume, weight/mass, capacity, and area and angle measures to make comparisons and estimates
- Determine the volume of a cube or rectangular prism using concrete materials

Algebraic Thinking

- Find and show the missing numbers in complex patterns
- Construct and solve simple number sentences using a symbol for a variable
- Create a function rule table for a single operation
- Solve problems with whole numbers using properties

- Solve one-step linear equations with one missing value in isolation and problem-solving situations

Geometry

- Identify, draw and label lines, line segments, rays, intersecting and perpendicular lines, parallel lines, angles and triangles
- Read and plot ordered pairs of numbers in the positive quadrant of the coordinate plane
- Identify and label a circle and its parts
- Construct a circle with a given radius or diameter using a compass
- Explore and describe rotational symmetry, congruence, and similarity of given shapes
- Explain possible solutions to problems and justify the conclusions

Data and Probability

- Arrange a given set of data in order, least to greatest, determine minimum and maximum values and calculate the range, mode, and median
- Propose and justify conclusions and predictions that are based on data
- List possible outcomes of a single event and tell whether an outcome is certain, impossible, likely or unlikely
- Describe the probability of an event using terminology such as “five chances out of eight”

Science

Electricity and Magnets

- Classify objects as magnetic/nonmagnetic and measure the force of the magnet
- Explain Law of Magnetic Attraction
- Determine what makes a compass work
- Explain electrical safety
- Predict and test static electricity
- Explore different ways to light a light bulb
- Build and identify the properties of series and parallel circuits
- Experiment and explain the flow of electricity through fuses switches and circuit breakers
- Explore insulators

Weather Systems

- Observe, record and analyze the properties of air, that it has mass and volume, that it causes wind
- Predict, observe and record weather changes
- Observe how bodies of water and elevation affect temperatures
- Determine that uneven heating of the earth causes wind
- Discover how air pressure is raised or lowered
- Describe weather instruments and what they measure

- Learn the process in the water cycle and how weather variables (air pressure) affect it
- Identify cloud types and associate them with the weather
- Interpret how the amount of sun affects our seasons and explore the relationship between latitude and the Earth's temperature
- Determine the difference between climate and weather
- Analyze weather maps and predict the next days weather

Wetland Ecosystem

- Observe, record and analyze how energy moves through and ecosystem
- Predict and observe how organisms in a wetland community interact with their environment and each other
- Discover how adaptations, (structures, functions, and behaviors) help an organism to survive
- Infer and analyze the natural and man-made factors that affect the balance of an ecosystem
- Classify organisms according to living/nonliving, producer/consumer, predator/prey, herbivore/carnivore/omnivore/scavenger/decomposer, in order to understand the components of a food chain
- Synthesize information about adaptations, habitat, and classifying organisms through creating and explaining an imaginary creature's adaptations for survival in its given habitat
- Explain how the process of photosynthesis provides food for a producer

Physical Education

- Perform rhythmical movements of jumping rope
- Identify movement principles of space awareness while performing locomotor, non-locomotor and manipulative skills
- Demonstrate knowledge of rules and strategies in cooperative and team games
- List benefits and activities of improving and maintaining muscular strength and endurance
- Determine individual heart rate via the wrist
- Determine maximum and resting heart rates using various technological methods
- List assessments for muscular strength and endurance
- Demonstrate ability to set a personal health-related fitness goal through journaling

Health

- Explain the three parts of health: physical, social, emotional
- Nutrition: explain the food pyramid, nutrients, food labels and logs, and metabolism
- Cardiovascular health: Explain cardiovascular disease, utilize fitness logs, learn to take heart rates, and explain the muscular, skeletal, respiratory and circulatory systems
- Conflict Resolution: Discuss peer interactions, identify causes of conflict resolution, discuss decision making skills

Technology

- Build self-confidence in using technology
- Identify the basic components of a computer
- Learn basic computer terminology
- Learn keyboarding skills
- Develop basic computer skills (e.g. mouse control, saving using the menu bar)
- Learn basic word processing skills
- Demonstrate the use of the Internet as a research tool
- Learn how to use multimedia reference tools
- Use computers as a learning tool for improving reading, writing, and math skills
- Use developmentally appropriate multimedia resources to support learning
- Use technology resources for problem solving, communication, and illustration of thoughts, ideas, and stories

Art

- Express movement in painting through the use of color
- Interpret shapes within a picture plane demonstrating depth
- Discuss and compile a variety of tools used to create textures
- Identify the processes of creating a variety of textures in printing
- Compare artwork from two different time periods
- Create a painted composition that demonstrates balance
- Identify the characteristic and creates an example of implied and actual texture

Music

- Define meter in 2, 3, 4, or 6 in notation and match the conducting patterns for each
- Distinguish between sounds of different duration in notation and while listening
- Continue to identify steps, leaps, repeats, and like and unlike phrases in notation
- Discover how harmony parts are created in a song and how they affect texture
- Experience singing and hearing sounds, ostinato parts, partner songs, counter melodies
- Recognize AB, ABA, rondo form and theme, and variation in a song
- Write original vocal and/or instrumental music composition
- Experience musical interpretation through instruments, singing, drama, and movement
- Expand knowledge of music vocabulary
- Increase music history knowledge through study of composers, performers, and styles
- Gain a respect and awareness of many different cultures through music