

**WOODLAND
INTERMEDIATE SCHOOL**

2009-2010

**CURRICULUM
PROFILE**

5th

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

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Associate Principal
Intermediate School**

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Superintendent of Schools**

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

The 5th 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**
- **Technolgy**
- **Physical Education**
- **Health**
- **Art**
- **Music**

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

Language Arts

Reading

- Read and comprehend unfamiliar words using word origins
- Set purpose for reading as a pre-reading strategy
- Analyze elements of a biography, fable, folk tale, historical fiction, poetry and mystery
- Create visual representation of text to self-monitor during reading
- Refine questions and predictions to increase comprehension
- Create and support inferences to recognize themes and topics in narrative and expository texts
- Compare and contrast the content and organization of written selections
- Determine cause and effect and draw conclusions to develop generalizations
- Identify and analyze the turning point of a story and solution
- Explain metaphor, simile, idiom, foreshadowing, point of view, and alliteration

Writing

- Apply correct capitalization for historical events, names of nationalities and languages
- Use commas, quotation marks, underline and italics correctly
- Demonstrate correct usage of linking, main and helping verbs, possessive nouns and pronoun antecedents, comparative, superlative and predicate adjectives

- Define and use prepositions, prepositional phrases and object of the preposition
- Use possessive and plural noun forms correctly
- Edit correctly by eliminating double negatives, creating subject/verb agreement and word choice
- Write narrative, expository, and persuasive paragraphs providing effective support and conclusions
- Write effective notes, research reports, essays and articles

Listening and Speaking

- Listen critically for supporting details, fact/opinion, and purpose
- Paraphrase and summarize simple information in written form
- Question and respond to information from oral presentations
- Follow and restate multi-step instructions
- Summarize information from visual and auditory media
- Speak effectively to organize main ideas and support
- Identify strategies to manage communication anxieties
- Coordinate verbal and non-verbal messages

Social Studies

Units

- Steps to Independence
- Government
- Growth and Conflict
- Machine Age and Immigration
- Boom to Bust, WWI, Roaring 20s and Depression
- World War II

Geography

- Identify land forms, bodies of water and their uses to man
- Identify the climate of US regions and its impact on natural resources
- Explain impact of natural geographic features on historical events
- Read political, physical and special purpose maps

Government

- Discuss and explain the US Constitution, Bill of Rights, and The Declaration of Independence
- Demonstrate the election process
- Describe connections between local, city, state and federal government
- Describe the checks and balances for each branches of government

Social Systems

- Describe the way of life for colonists, soldiers, and immigrants
- Identify characteristics of good citizens
- Analyze the effects of historical events on social groups
- Explain the social injustice of child labor and hardships of various groups

History

- Describe and explain US foreign policy
- Identify contributions made by early European explorers
- Identify contributions made by the Founding Fathers of the US
- Sequence the events of the major wars and their impact
- Explain the impact of developing transportation on growth of cities and westward movement

Economics

- Explain the impact of technology on agriculture and industry
- Describe the effects of Reconstruction after the Civil War on the nation's economy
- Analyze impact of the Industrial Revolution on the states
- Distinguish differences between three colonial regions' economic activities
- Evaluate the role of the government in economic activity

Mathematics

Number Sense and Computation

- Show number equivalencies by changing from one form to another form
- Describe integers using familiar applications
- Identify properties of prime, composite, and square numbers
- Select and use appropriate operations and tools to perform calculations on whole numbers, fractions, and decimals
- Identify and express ratios and percents using appropriate notations

Measurement

- Convert U.S. customary and metric measurements into larger or smaller units
- Develop and use formulas to determine the area of squares, rectangles, and right triangles
- Estimate the perimeter, area, and/or volume of regular and irregular shapes and objects
- Select appropriate tools to measure, draw, or construct figures
- Develop strategies for determining area and perimeter of irregular shapes

Algebraic Thinking

- Describe, extend, and make generalizations about given geometric and numeric patterns
- Illustrate equality of two expressions with variables

Geometry

- Investigate and describe the results of subdividing and combining shapes
- Identify, describe, and compare situations with constant and varying rates of change using words, tables, and graph

- Solve problems with whole numbers using order of operations and appropriate properties
- Create and solve linear equations involving whole numbers using a variety of methods
- Determine the distance between points in the coordinate system
- Identify, sketch, and build two- and three-dimensional shapes using attribute clues
- Copy and/or construct a line segment, an angle, and a perpendicular bisector by using a straight edge or compass
- Identify, define and create tessellations by using pattern blocks, manipulatives, or technology to tile a plane
- Determine congruence of polygons using measures of angles and sides
- Match a front side, right side, and top view drawing with a three-dimensional model build with cubes
- Develop logical arguments to justify conclusions

Data and Probability

- Read, interpret, infer, predict, draw conclusions and evaluate data from double bar graphs, double line graphs, and stem-and-leaf plots with and without technology
- Determine mean, median, mode, minimum and maximum values and range and discuss what each does to help interpret a given set of data
- Design investigations to address a question and consider how the ways data is collected affects the nature of the data set
- Express simple probabilities as a fraction between zero (impossible) and one (certain)

Science

Matter and Energy

- Know and apply the concepts that describe the properties of matter and energy
- Observe the three stages of matter
- Learn about atoms and the periodic table
- Determine the difference between compounds, mixtures, and solutions
- Observe potential and kinetic energy
- Observe the difference between chemical and physical changes
- Describe the interactions between matter and energy

The Changing Earth and Erosion

- Investigate the properties of rocks and minerals
- Determine the factors that contribute to erosion
- Investigate plate tectonics and continental drift

- Learn about changes of rocks through the rock cycle
- Compare physical and chemical weathering
- Explore and compare renewable and nonrenewable resources
- Examine the different resources of the earth

Populations

- Discover what determines a population
- Learn about different communities and their populations
- Discover how outside forces affect and interact with populations
- Observe a micro-population of brine shrimp and the interactions of populations
- Apply ecosystems and food chains and problem-solve a solution to a Chesapeake Bay simulation
- Make observations using a microscope

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 work 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 (e.g. interactive books, educational software, elementary multimedia encyclopedias) to support learning
- Use technology resources (e.g. puzzles, logical thinking programs, writing tools, digital cameras, drawing tools) for problem solving, communication, and illustration of thoughts, ideas, and stories

Learning . . . to find solutions

Physical Education

- Demonstrate control when performing bumping and serving in volleyball
- Perform basic tumbling skills: apparatus, headstand, tripod, cartwheels, partner stunts, roundoffs, pyramids, and handstands
- Identify movement principles of effort while performing locomotor and non-locomotor skills: time, force and flow
- Demonstrate knowledge of rules and strategies, in cooperative games and team games
- Identify offensive, defensive and cooperative strategies in floor hockey, football, soccer, basketball, volleyball, softball, tumbling, fitness and dance
- List benefits of improving and maintaining cardiovascular endurance
- Utilize Presidential Challenge Fitness test scores to create a personal health related goal

Health

Personal Health

- Learn the importance of sleep, rest, exercise to mental, physical and social well-being

Body Systems and Stress

- Discuss positive and negative stress, discover how the nervous, digestive, muscular and skeletal systems inter-relate

Puberty

- Discuss rate of growth and change during puberty, physical, mental, and social changes with an emphasis on self-esteem and self-concept

Art

- Compare mood created by color
- Identify 2-dimensional and 3-dimensional shapes
- Identify the processes used to create a clay creation
- Compare and contrast the interrelationships between art, history, and culture
- Create a composition that demonstrates contrast
- Construct and analyze a hand-made sculpture
- Explore the connection between art and other subjects

Music

- Define meter in 2, 3, 4, or 6 in notation and matches 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