WOODLAND MIDDLE SCHOOL

2009-2010

CURRICULUM PROFILE

6th

Scott Snyder
Principal
Middle School

Mike Witkowski
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Middle School

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Superintendent of Schools

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Curriculum, Instruction and Accountability

The 6th 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**
- **Applied Practical Arts**
- **Family and Consumer Science**
- **Music**
- **Art**
- **Spanish**
- **Technology Lab 2000**

WOODLAND SCHOOL DISTRICT 50
1105 N. HUNT CLUB ROAD
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Learning … to find solutions

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 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

- Ancient Mesopotamia
- Ancient Greece & Rome
- Ancient Egypt & Nubia
- Ancient China & India
- Medieval Ages & Renaissance

Geography

- Analyze the relationships between the physical features and human activities
- Describe how people gained access and control over mountains, rivers and deserts
- Explain how humans have adapted to the environmental changes
- Analyze the geographic features that have influenced migration of people
- Use special purpose maps, longitude/latitude to find locations around the world

Government

- Identify significant events to show political changes in the different cultures
- Compare/contrast the development of political systems during ancient times
- Describe major developments in the Western political system that occurred in ancient times
- Analyze the roles of influential political leaders during the Reformation, Roman Empire and in Greece

History

- Analyze events that shaped history including famines, the plague and religious persecutions
- Explain historical events and the influence
- of migration of people throughout the world
- Describe the development of empires, countries, cultures and people in ancient times
- Compare the various roles of men, women, and children in the family, at work and community

Economics

- Describe the impact of trade on the development of the ancient civilizations
- Explain how the environment impacted economic developments
- Analyze the law of supply and demand, markets, and exchange of goods and services
- Describe basic economic changes leading to or resulted from turning points in history

Social Systems

- Analyze how customs and traditions of people changed in ancient times
- Examine patterns within literature, art, music, language and architecture
- Describe how cultures are shared through writing, music and art
- Compare/contrast the social structures of ancient civilizations

Mathematics

Number Sense and Computation

- Demonstrate knowledge and use of numbers and their many representations in a broad range of theoretical and practical settings.
- Investigate, represent, and solve problems using number facts, operations and their properties, algorithms, and relationships.
- Compute and estimate using mental mathematics, paper-and-pencil methods, calculators, and computers.
- Solve problems using comparison of quantities, ratios, proportions, and percents.

Measurement

- Measure and compare quantities using appropriate units, instruments, and methods.
- Estimate measurements and determine acceptable levels of accuracy.
- Select and use appropriate technology, instruments, and formulas to solve problems, interpret results, and communicate findings.

Algebraic Thinking

- Describe numerical relationships using variables and patterns.
- Interpret and describe numerical relationships using tables, graphs, and symbols.
- Solve problems using systems of numbers and their properties.
- Use algebraic concepts and procedures to represent and solve problems.

Geometry

- Demonstrate and apply geometric concepts involving points, lines, planes, and space. (Properties of single figures, coordinate geometry and constructions)
- Identify, describe, classify and compare relationships using points, lines, planes, and solids. (Connections between and among multiple geometric figures)
- Construct convincing arguments and proofs to solve problems. (Justifications of conjectures and conclusions)
- Use trigonometric ratios and circular functions to solve problems

Data and Probability

- Organize, describe and make predictions from existing data.
- Formulate questions, design data collection methods, gather and analyze data, and communicate findings. (Data Collection*)*
- Determine, describe and apply the probabilities of events. (Probability, including counting techniques)

Science

Safety, Equipment, and the Scientific Method

- Identify common laboratory equipment
- Explain how scientists develop scientific information
- Reduce risk involved in science activities

Dry Ice

- Identify states of matter including solid, liquid and gas
- Identify phase changes of solids, liquids and gases
- Define sublimation

Sound and Light

- Discover the properties and behaviors of waves
- Learn how waves interact with each other
- Identify the different types of waves
- Discover the properties of sound
- Explain how sound is heard by the human ear
- Compare/contrast sound and light waves
- Give examples of how sound waves and electromagnetic waves are used in everyday life
- Explain how electromagnetic waves differ from each other
- Learn how light waves fit into the electromagnetic spectrum
- Experiment with how light waves interact with different types of mirrors and lenses
- Discover the properties of light
- Explain how light is seen by the human eye

Environmental Science

- Learn how living things interact: producers, consumers, food webs and food chains, predator-prey relationships, limiting factors
- Explain the cycles of nature: water cycle, carbon cycle, nitrogen cycle
- Identify the different types of biomes
- Explain how humans affect the environment

Astronomy

- Learn about the Earth-Moon-Sun Relationship
- Explain the cause of seasonal changes on Earth
- Explain the cause of moon phases
- Define black holes, galaxies, asteroids, supernovas
- Observe the sky: mapping the stars, scale the universe, types of telescopes
- Discuss how the solar system was formed
- Understand the structure of the earth-moon-sun
- Learn of the universe beyond the earth: composition and classification of stars, life-cycles of stars

Weather

- Describe components of the atmosphere
- List layers of the atmosphere
- Explain how air pressure affects weather
- Describe the causes of heating and cooling of the earth
- Differentiate local and global winds
- Describe how severe weather affects the earth
- Discuss humidity, condensation and precipitation
- Relate air masses and fronts to weather changes
- Explain how water moves through the environment
- Learn how to forecast and read weather maps
- Differentiate between weather and climate
- Identify Earth's climate zone

Physical Education

- Perform locomotor, non-locomotor, and manipulative skills using effort, space awareness, and relationships
- Demonstrate knowledge of rules and strategies in individual games
- Identify offensive, defensive, and cooperative strategies in soccer, basketball, volleyball, and softball
- Identify and apply the principles of training: frequency, intensity, time, and type of activities
- Demonstrate safe and effective warm-ups, aerobic activity, and cool-down activities
- Explain and determine the effects of exercise terminology: target heart rate, fatigue, recovery rate
- Set realistic short and long term fitness goals followed with evaluation
- Identify opportunities within the community for regular participation in physical activity
- Apply principles of training to the health related fitness goals by describing benefits and demonstrating various types of fitness programs
- Lead a squad and team, and follow directions during warm-up and physical activity
- Demonstrate participation in a variety of physical activities requiring individual contributions to a team
- Engage in cooperative team-building, partner or small group activities

Health

- Demonstrate procedures for positive communication and conflict resolution through good decision making
- Apply decision making skills to promote individual health
- Learn how to interact positively with peers and resisting peer pressure
- Identify health careers
- Learn the basic body systems, functions and interactions between systems
- Explain heath-related actions on body systems
- Describe relationships among physical mental and social health factors during adolescence

Applied Practical Arts

- Apply the use of measurements using inches & fractions
- Learn tool safety
- Become familiar with the names of tools
- Exercise electrical and woodshop safety
- Make an extension cord
- Learn how to repair dry wall

Family and Consumer Science

Family and Consumer Sciences focuses on foods/nutrition, sewing, child development, and consumer education. Over the course of sixth and seventh grades, students will complete the following courses of study:

Sewing

- Develop an understanding of basic hand sewing and use of a sewing machine
- Construct a sewing project with a pattern and sewing equipment
- Understand clothing care, clothing labels, and laundry procedures
- Integrate math into clothing projects
- Learn about careers involving sewing

Child Development

- Learn about babysitting and home safety
- Develop age-appropriate activities to entertain and meet the developmental needs of children
- Learn about developmental areas of children
- Learn about careers in child development

Foods and Nutrition

- Analyze their diet to determine if it is healthy or unhealthy using the Food guide pyramid and the six essential nutrients
- Exhibit knowledge of food preparation through reading recipes, using accurate measurements, following kitchen safety and completing finished food products
- Understand how to read food labels and then compare food products
- Analyze fast food choices
- Develop an understanding of careers related to foods and nutrition

Consumer Education

- Develop an awareness of how marketing/advertising affects consumer spending
- Develop methods for making appropriate purchasing decisions
- Learn about various careers related to consumer education

Music

- Discover the human voice as an instrument and means for expression
- Develop an awareness of the vocal mechanism, differences in range and timbre, and voice classifications
- Demonstrate proper vocal technique, posture, and tone productions
- Develop an awareness of different singing styles connected to history and various cultures
- Develop an understanding of music through the study of the basic elements of rhythm and melody
- Interpret and demonstrate musical symbols, terms, rhythmic patterns, and musical notation
- Experience musical drama, the development and characteristics of opera, operetta, and American music theater as time permits

Art

- Problem-solve many ways to create a successful work of art
- Continue to reinforce drawing and observation skills through contour drawing
- Understand shading and values included in the drawing projects
- Utilize weaving or foam prints as different tools and materials
- Create three-dimensional projects which may include hand-built ceramics or Styrofoam puppets
- Study life drawings through self-portraits or full figure drawings

Spanish

Vocabulary

- Alphabet
- Numbers
- Colors
- School-related words
- Weather
- Geography

Grammar

- Understand appropriate use of:
  - Verb tenses
  - Punctuation
  - Capitalization
  - Singular and plural commands
  - Question words
  - Possessive pronouns
  - Negation
  - Articles

Speaking & Listening

- Ask appropriate conversational questions
- Respond to commands and requests
- Ask for permission
- Differentiate familiar and formal addresses
- Answer the telephone
- Find locations
- Determine quantity

Culture

- Address elders and friends properly
- Determine Standard vs Vernacular Spanish
- Understand the importance of the Hispanic family
- Know different geographical features and location of Hispanic countries
- Learn about ancient history
- Exploring Hispanic holiday celebrations and art

Technology Lab 2000

- Experience an introduction to technological terms
- Complete either one robotics or physical simulation
- Complete one multimedia project using Powerpoint, Hyperstudio, Photoshop or Video Production
- Complete a project using Microsoft Word 2000
- Learn about Powerpoint electronic portfolio development