

## Mathematics



Automatic application of basic facts (+, -, ×, /) is essential. Regular practice at home is expected.

- ❖ Calculations/Estimation-review addition, subtraction, multiplication and division of whole numbers
- ❖ Number Theory-factoring, multiples, divisibility, prime/composite numbers, prime factorization and exponents
- ❖ Fractions and Decimals-fraction whole and parts, compare and order, greatest common factor, least common multiple, mixed numbers, equivalent fractions, convert fractions to decimals, add, subtract, multiply and divide
- ❖ Algebra Concepts and Skills-variables and algebraic expressions, order of operations
- ❖ Geometric Applications-measurement, patterns, relationships, properties of polygons, angles, congruency, perimeter, area, volume, circumference and coordinate graphing
- ❖ Statistical Tools-mean, median, mode, range, and organizing data
- ❖ Ratios, Proportions, and Percents
- ❖ Probability-making predictions from data, independent events, counting
- ❖ Application of integers-add, subtract, multiply and divide



## Language Arts

- ❖ Literature-exposure to all types of literature; comprehension achieved through predicting outcomes, cause and effect, vocabulary, plot, climax and solution (all literature will be age appropriate)
- ❖ Writing-writing process, personal narratives, creative writing, sentence structure, writing in dialogue and reports
- ❖ Parts of speech-nouns, pronouns, adjectives, verbs, and adverbs, quotation marks, regular and irregular verbs through Daily Language and grammar exercises
- ❖ Speaking and listening-purpose of oral communication; read oral reports or creative writing

- with emphasis on eye contact, enunciation, strength of voice and body language; listening skills improved while listening to others*
- ❖ *Advanced courses are available in mathematics and language arts*

## West Iron County School District Mission Statement

*In concordance with the community, the West Iron County Public School system is committed to provide a safe, positive learning environment that recognizes and develops our children's social, emotional, physical, and intellectual qualities. In achieving his/her fullest potential, each student will become a productive citizen.*



## West Iron County School Mission Statement

*We, the staff of the West Iron County School, are committed to challenge each student to achieve his or her full achievement potential, acquire high moral values, and develop a positive self-image in a safe, supportive environment.*

### Title 1 Program

*Students are assisted in the areas of Math, Science, Social Studies and Language Arts before, after and during the school day. Organizational skills, creative ways of studying for tests and problem solving are the three main areas we review in the study skills classes.*

# West Iron County Sixth Grade Curriculum Guide



## Special Education

- ❖ *Special Education Services are available to those students who qualify under Michigan guidelines.*

## Interventions



- ❖ *Independent Study Skills is available to students who need help with reading tests, one-on-one tutoring and disciplinary issues. Prescribed medication will be dealt with accordingly.*



## Physical Education/Music in Motion

- ❖ *Personal fitness-complete the Presidential Physical Fitness Test*
- ❖ *Personal and social skills-provides an atmosphere that allows students to learn to fair play, sportsmanship, respect for others and playing by the rules-provide growth and development of personal skills through individual and cooperative activities that would encourage lifetime participation*
- ❖ *Physical Skills-demonstrate skills necessary to play fairly-demonstrate skills necessary to be a team player*
- ❖ *Recognition of musical "road signs" or symbols*
- ❖ *Recognition of musical terms-treble clef, bass clef, crescendo, decrescendo, cae cusa, retard, accelerando, pocoe poco, piu, etc.*
- ❖ *Count more difficult rhythm patterns, clap out sounds, sub-divide beat clusters, write out actual passages*

## Technology

- ❖ *Continued emphasis on keyboarding technique, speed and accuracy*
- ❖ *Identify word processing terms; use a word processing program to locate, enter, save, print text, edit a paragraph, copy and move text, insert a paragraph, etc.*

- ❖ *Identify and implement computers as tools for accessing information*
- ❖ *Identify examples of copyright violations and possible penalties*

## Science



- ❖ *Scientific Inquiry & Lab Safety*
- ❖ *Classification-characteristics of living things; levels of classifications & relationships between organisms; list characteristics used to classify into domains & kingdoms.*
- ❖ *Cells-cell theory; how microscopes function& magnify images; functions of cell parts; organization of many-celled organisms; cell processes of photosynthesis respiration & cell division.*
- ❖ *Modern genetics-inheritance; genetic disorders, advances in genetics*
- ❖ *Changes over Time-evidence of evolution; fossil record*
- ❖ *Plants-vascular& nonvascular plants, see plant parts and function, reproduction in flowering plants*
- ❖ *Populations & communities-Abiotic and biotic parts of habitat; levels within an ecosystem; populations & limiting factors; adaptations for survival; interactions among organisms within ecosystem; priming & secondary succession.*
- ❖ *Animal systems-how systems work together; how systems have specific jobs within an organism; cells, tissues, organism, organ, system & relationship*
- ❖ *Ecosystems- how parts of an ecosystem are related and how they interact; how energy is distributed to living things in an ecosystem; how communities of living things change over a period of time; how materials cycle through an ecosystem and get reused in the environment; how humans and the environment interact*

## **Social Studies**



- ❖ *Geography-world of geography, earth's physical geography, Earth's human geography, cultures of the world, earth's natural resources*
- ❖ *The U. S. and Canada physical geography*
- ❖ *The US and Canada shaped by history*
- ❖ *Cultures of the US and Canada*
- ❖ *Latin America-Latin America physical geography, shaped by history, cultures of Latin America, exploring Mexico and Central America, exploring the Caribbean*