

MATHEMATICS

- Solve multi-step word problems using the four operations
- Find all factor pairs for whole numbers 1-100
- Generate a number or shape pattern that follows a given rule
- Recognize meanings of place value and round to a specific place value
- Read, write, and compare whole numbers using numerals, names, and expanded form
- Add and subtract multi-digit whole numbers
- Multiply a whole number of up to four digits by a one digit whole number, and multiply two digit numbers by using various strategies
- Find quotients and remainders with up to five digit dividends and one digit divisors
- Compare and order fractions
- Use decimal notation for fractions with denominators 10 or 100
- Compare two decimals to hundredths
- Know relative sizes of measurement within one system of units
- Apply the area and perimeter formulas for rectangles
- Make a line plot to display a data set if measurements
- Recognize and measure various angles
- Draw points, lines, line segments, rays, angles, perpendicular and parallel lines
- Classify two dimensional figures based on parallel and perpendicular lines
- Recognize a line of symmetry for a two dimensional figure
- Measure angles using a protractor

LANGUAGE ARTS/READING

- ✓ **LANGUAGE ARTS/Writing**
 - Apply the writing process (prewriting, drafting, revising, editing, and publishing) to written work
 - Apply basic grammar skills in oral and written communication
 - Write opinion pieces on topics or texts, supporting a point of view with reasons and information.
 - Write informative/explanatory texts to examine a topic and convey ideas and information clearly.
 - Write narratives to develop real or imagined experiences or events using effective technique, descriptive details, and clear event sequences.
 - Conduct short research projects that build knowledge through investigation of different aspects of a topic.
- ✓ **READING**
 - Use graphic organizers to analyze and compare themes, topics, point of view, and character attributes
 - Apply word analysis, vocabulary skills, and various reading strategies when reading
 - Refer to details and examples in a text when explaining what the text says explicitly and when drawing inferences from the text.
 - Make connections between the text of a story or drama and a visual or oral presentation of the text, identifying where each version reflects specific descriptions and directions in the text.
 - Explain major structural elements of and differences

between poems, drama, and prose

- Refer to details and examples in a text when explaining what the text says explicitly and when drawing inferences from the text.
- Identify main idea and supporting details using evidence from the text; use this information to summarize.
- Use text features and text structure to analyze text.

✓ **SPELLING**

- Increase spelling skills through weekly spelling tests

✓ **HANDWRITING**

- Practice Zaner-Bloser method of cursive

***SCIENCE**

✓ **LIFE SCIENCE**

- Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction.
- Use a model to describe that animals receive different types of information through their senses, process the information in their brain, and respond to the information in different ways.

✓ **PHYSICAL SCIENCE**

- Use evidence to construct an explanation relating the speed of an object to the energy of that object.
- Provide evidence that energy can be transferred from place to place by sound, light, heat, and electric currents.
- Ask questions and predict outcomes about the changes in energy that occur when objects collide.
- Apply scientific ideas to design, test, and refine a

device that converts energy from one form to another.

- Develop a model of waves to describe patterns in terms of amplitude and wavelength and that waves can cause objects to move.
- Develop a model to describe that light reflecting from objects and entering the eye allows objects to be seen.
- Generate and compare multiple solutions that use patterns to transfer information.

✓ **EARTH SCIENCE**

- Identify evidence from patterns in rock formations and fossils in rock layers for changes in a landscape over time to support an explanation for changes in a landscape over time.
- Make observations and/or measurements to provide evidence of the effects of weathering or the rate of erosion by water, ice, wind, or vegetation.
- Analyze and interpret data from maps to describe patterns of Earth's features.
- Obtain and combine information to describe that energy and fuels are derived from natural resources and their uses affect the environment.
- Generate and compare multiple solutions to reduce the impacts of natural Earth processes on humans.



SOCIAL STUDIES

- ✓ **GEOGRAPHY**
 - Study important facts about Illinois
 - Locate and identify continents, oceans, and countries
 - Study and identify regions of the United States and compare physical characteristics of each region
- ✓ **ORGANIZATIONAL SKILLS**
 - Study and interpret maps, graphs, and charts
- ✓ **CULTURES**
 - Compare different characteristics of cultures

COMPUTERS

- Increase keyboarding skills
- Use and understand basic computer and word processing terminology
- Use Microsoft Word to create and edit documents
- Use the Internet to gather information and research various topics
- Use educational websites to increase Reading and Mathematics knowledge

LIBRARY

- Use encyclopedias and non-fiction books and magazines to find information
- Use dictionaries and thesauruses to expand vocabulary
- Read biographies and compare them to stories in the Reading curriculum
- Read aloud from various genres

MUSIC

- Rhythm & beats
- Dynamics
- Staff notation
- Singing
- Listening
- Reading music notation
- Playing a band instrument
- Perform in seasonal concerts
- Identify instruments by their families

HOPE

- Identify parts of their body systems and their functions
- Identification of the six pillars of character and respect for other cultures
- Identify healthy actions on the body such as hand washing, nutrition, exercise, and dental health
- Identify harmful actions on the body such as drugs
- Refusal skills for drugs, advertising, and gangs
- Communicable and Non-communicable diseases: Viruses, Bacteria, Asthma, Heart Disease, Head lice, Diabetes
- Identification of personal hygiene
- Identify safety methods to be used in dangerous situations: Train safety, Internet safety, Bike safety, and Safety from Strangers who wish to Harm
- Understand environmental health issues
- Conflict resolution skills and identification and effective ways of dealing with bullies
- Awareness of Health Careers

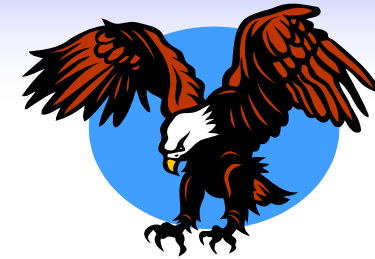
ART

- Use the Art Works program to increase knowledge of the various elements of art such as design, media, value, and space
- Use music during lessons to increase the students' awareness of the connection between art and music

***PHYSICAL EDUCATION**

- Performing sport skills and activities
- Physical fitness/conditioning
- Rhythms and dance
- Playing organized games
- Determine relationship between movement and health related components
- Fundamental movement experiences
- Swimming

***Curriculum will be adjusted to meet newly adopted State Standards**



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**4th Grade
Curriculum Guide**

August 2017