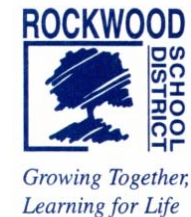


ROCKWOOD SCHOOL DISTRICT

CURRICULUM CONTENT and ESSENTIAL SKILLS

GRADE 3



ROCKWOOD SCHOOL DISTRICT MISSION STATEMENT

The Mission of the Rockwood School District is that all students, with support from the community, parents, and staff, will be provided a dynamic curriculum within a safe and caring environment so they will develop the skills, abilities and attitudes to be lifelong learners and citizens of good character who are prepared to contribute to an ever-changing, global society.

Dear Parents:

The Rockwood School District Board of Education formally adopts all written curricula for all subject areas and all individual courses the District offers. Curriculum committees consisting of teachers, parents, administrators, and students follow a formal curriculum development process to determine the standards, skills, and content to be mastered at each grade level and in each course. Through this formal process, curriculum in each content area has been also revised and aligned to the state and national standards.

The curriculum committees conduct formal reviews of current literature and current teaching and learning practices in the content area; analyze survey feedback from parents, students, and staff; and examine achievement data for the particular content area. Also involved in this comprehensive process, is securing input and feedback on the documents from college/university staff and the community.

The purpose of this flier is to communicate information about what students should know and be able to do at each grade level, grades K-5. Included in the flier are the essential content and skills from the curriculum documents described above. Copies of the K-5 curriculum documents are located in all elementary school libraries.

A commitment to excellence that ensures Rockwood's graduates are able to meet the real-life challenges of the business community and/or postsecondary institutions is our constant goal. We appreciate the opportunity to educate your child and work with your family.

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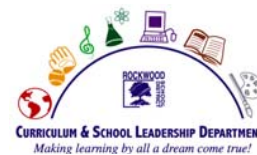
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For more information, see the District's web site at
www.rockwood.k12.mo.us



A Publication of the Rockwood School District
Curriculum & School Leadership Department
April, 2007

HEALTH/PHYSICAL EDUCATION – GRADE 3 CONTENT and ESSENTIAL SKILLS

Skills

Locomotor skills:

Walk, Hop, Skip, Gallop, Leap, Jump, Run, Slide, Roll

Non-locomotor skills:

Push, Pull, Bend, Stretch, Twist, Turn, Lift, Swing, Stop, Dodge, Fall, Balance

Manipulative skills:

Passing, Throwing, Catching, Striking, Kicking, Dribbling (hand and foot), Volleying, Rebounding, Striking a moving object, Throwing at or to a moving object

Content

Movement Ed

Self or personal space, general space, directions, levels pathways, extensions; Body parts, kinesthetic feelings, body in space, body in relation to others; Time, force, flow; Relationships between body parts, relationships with objects and people; Combining two or more locomotor/non-locomotor movements; Combining manipulative skills while maintaining a fluid motion; Timing movements in relation to other obstacles/variables; Keeping an object continuously in motion; Low to high level skill progression.

Fitness Ed

Flexibility, muscular strength, cardiovascular endurance; Change in heart rates; Aerobic and non-aerobic activities; Three parts of a workout: warm-up, workout, cool-down; How often, how hard, how long; Body composition; Measuring pulse.

Socialization/Cooperation Ed

General classroom rules and procedures; Rules for games and activities; Body awareness and control; Safety procedures when using equipment; Listening skills; Cooperative play; Respect for others; Respect for rules; Sportsmanship; Problem solving; Team building; Self discipline; Goal setting; Decision making; Problem solving; Risk taking.

Health Ed

Circulatory system; Respiratory system; Muscular system; Skeletal system; Digestive system; Nervous system; Body systems working together; Personal health care; Dental health care; Skin care; Posture; Rest and sleep; Nutrition; Life management skills; Substance abuse; Safe use of medicine; Drugs - Review caffeine, tobacco/nicotine, alcohol, Legal vs. illegal, Use vs. abuse, Marijuana, Inhalants, Refusal skills, Disease prevention and control; Types of disease - Communicable (contagious), Virus (cold, flu, chicken pox), Bacteria (ear infection, strep throat, pink eye), Fungi (ringworm, athlete's foot), Non-communicable (non-contagious), Allergies, Asthma, Cancer, Heart disease, Prevention – Immunizations, Vaccinations, Booster; Safety and first aid; Recognizing dangers in everyday situations; Introduction to first aid.

MATH – GRADE 3 CONTENT and ESSENTIAL SKILLS

Number and Operations

Read, write, and compare numbers randomly to 999,999.
Determine the place value of digits in numbers to 999,999.
Apply estimation to solve problems.
Identify decimal place value to tenths.
Represent and utilize rational numbers – halves, thirds, fourths.
Compose and decompose numbers.
Classify numbers: odd and even, the factors of a number.
Identify the number sentences used in problems.
Represent a situation using multiplication and division.
Apply the identity and commutative properties of addition to whole numbers.
Develop and demonstrate automatic recall of multiplication and division facts through 10.
Compute 3-digit addition and subtraction problems.
Estimate and justify solutions.
Apply problem-solving strategies in relation to number and operation.

Algebra

Recognize and extend patterns.
Create and analyze patterns, and represent patterns utilizing works, tables, and graphs.
Classify objects and representations to identify a pattern.
Represent mathematical situations as an expression or number sentence.
Apply the commutative property of addition.
Model problem situations including multiplication with objects and drawings.
Analyze quantitative change.
Apply problem-solving strategies in relation to algebra.

Geometry

Compare 2- and 3-dimensional shapes by describing their attributes.
Compose and decompose shapes.
Describe location using common language and geometric vocabulary.
Utilize transformations on objects (flips, slides, turns).
Identify lines of symmetry in polygons.
Recognize and represent 3-dimensional shapes from different perspectives.
Apply problem-solving strategies in relation to geometry.

Measurement

Identify and justify appropriate unit of measure (linear, weight, time, temperature).
Tell time to nearest minute and differentiate between a.m. and p.m.
Determine change from \$5.00.
Add and subtract money to \$5.00.
Apply monetary signs – dollar sign, decimal point.
Utilize standard or non-standard measurement.
Apply a strategy to determine the perimeter of a given shape.
Apply problem-solving strategies in relation to measurement.

Data and Probability

Formulate questions and collect data.
Represent, interpret, and verify conclusions from data (line plots, bar graphs, line graphs, pictographs).
Construct line graphs, bar graphs, and pictorial graphs.
Analyze the data for patterns and describe the shape of data.
Predict outcomes and evaluate inferences.
Apply problem-solving strategies in relation to algebra.

LANGUAGE ARTS – GRADE 3 CONTENT and ESSENTIAL SKILLS

Reading

Read words with several syllables, contractions, root words, prefixes, suffixes, and compound words.

Recognize plurals and pronouns.

Recognize parts of a book and its function.

Identify author's purpose. (Persuade, Inform, Entertain)

Predict using background experience.

Identify/interpret story elements (beginning/middle/ end, characters, setting and important events).

Retell correctly using character, setting, problem/solution.

Apply comprehension strategies (such as creating mental images, sequencing, summarizing, rereading, adjusting rate and questioning) to read independently.

Clarify meaning when understanding breaks down.

Read fiction, nonfiction, poetry, plays, mystery, comprehension and biography.

Answer open-ended comprehension questions with text-based support.

Writing

Capitalize holidays.

Use period(s) in abbreviations.

Use question mark as end mark.

Use exclamation as end mark.

Identify and use singular/plural nouns.

Use subject/verb agreement.

Identify and use adjectives.

Use the writing process to write an expository paragraph with good ideas, organization, and conventions. (6 Traits)

Address envelopes.

Write narratives including beginning/middle/end.

Write in cursive handwriting.

MUSIC – GRADE 3 CONTENT and ESSENTIAL SKILLS

Performance

Demonstrate singing with feet on floor while sitting tall on edge of seat holding music book.

Sing a varied repertoire including patriotic music.

Demonstrate a melodic ostinato.

Music Elements

Demonstrate do, do finder; steps, leaps, and repeats.

Demonstrate whole note; whole rest; dotted half note; bar lines, measures, groups of beats in 2, 3, and 4.

Demonstrate pianissimo (pp) and fortissimo (ff) dynamics.

Demonstrate playing a stringed instrument (folk, orchestra).

Aesthetics and Music Criticism

Describe responses to Classical and Impressionistic works.

Compare and contrast works on use of: pitch (high, medium, low), tempo (fast, medium, slow), and dynamics (loud, medium, soft).

Demonstrate knowledge of: double bar lines, ABA form, 1st and 2nd endings, and rounds.

Integration

Connect sound production in music to sound in science.

Music History

Explain the contexts in which Mozart, Debussy, and Haydn composed music.

ART – GRADE 3 CONTENT and ESSENTIAL SKILLS

Art Production – Elements of Art

Use line to show texture.

Draw contour lines.

Create artworks that show warm & cool colors, intermediate colors, and shades of these colors.

Create artworks that use foreground, middle ground, and background to show space.

Contrast warm and cool colors.

Contrast organic, geometric, free-form shape.

Create artworks that show symmetrical balance.

Create artworks that show asymmetrical balance.

Create artworks that show visual, simulated texture.

Art Production – Media Skills and Processes

Create a painting using a watercolor wash.

Demonstrate use of thinning and brushing watercolors on paper.

Mix primary and secondary colors of paint to create intermediate colors.

Mix colors of paint with black to create shades.

Demonstrate application of tempera paint.

Create a clay piece using the slab method in which pieces are scored, slipped, and joined.

Create a drawing with chalk/pastels.

Create a three-dimensional assemblage.

Create a glue relief print.

Create a design on the computer using geometric, organic, and free form shapes.

Art Production – Subject Matter and Theme

Create artworks showing shape or form of observed objects found in nature.

Create an original landscape.

Create realistic, abstract, and nonobjective two-dimensional artworks.

Create realistic, abstract, and/or nonobjective public sculptures models.

Responding to Art

Discuss what makes an object art.

Compare how artists use line, shape, color, space, balance, and contrast in artworks.

Compare and contrast realistic, abstract, and non-objective artworks.

Art History

Compare and contrast artworks from different times and places on theme/subject: nature, landscape, real, abstract, nonobjective painting and sculpture.

Integration

Apply lines of symmetry in math to shapes in art.

LANGUAGE ARTS – GRADE 3 CONTENT and ESSENTIAL SKILLS

Word Study Skills

Spell one-syllable words with consonant blends.

Spell contractions, compounds and common homophones.

Spell using suffixes, prefixes and syllable constructions.

Use a variety of strategies and resources to spell words.

Spell high frequency words correctly in daily work.

Understand word relationships such as synonyms, antonyms, and homophones.

Study and Research

Use dictionary guide words to locate words for spelling, vocabulary, and pronunciation.

Use alphabetizing skills to the third letter and beyond to locate information in reference materials.

Write a paragraph or more to answer a writing prompt clearly and completely.

Gather data from multiple sources including technology.

Take notes.

Paraphrase information gathered.

Summarize reading-level text.

Speaking and Listening

Speak clearly.

Share ideas.

Maintain eye contact.

Use appropriate volume.

Use appropriate grammar.

Follow teacher directions.

Identify topic and main idea.

Respond in a way that demonstrates effective listening.

SCIENCE – GRADE 3 CONTENT and ESSENTIAL SKILLS

Living Systems

Identify elements of different ecosystems such as deserts, forests, prairies.

Explain how organisms adapt to their environments.

Describe the interactions in food chains.

Identify producers and consumers within food chains.

Ecology

Analyze how organisms survive as a result of interactions within their environment.

Universe

Recognize the components of the solar system.

Explain the movements among the sun-earth-moon system.

Model rotation and revolution to explain time periods: day and year.

Distinguish between natural and manmade objects in the sky.

Matter and Energy

Recognize that sound is a form of energy.

Experiment with vibrations to create different sounds.

Describe how sound waves interact with different materials: metal, wood, water, etc.

Force and Motion

Experiment with different forces: magnetism, gravity, electrostatic force.

Distinguish between weight and mass.

Scientific Process Skills

Conduct simple experiments.

Make predictions.

Measure using the metric system.

Create, read, and interpret graphs.

Communicate conclusions based on results.

SOCIAL STUDIES – GRADE 3 CONTENT and ESSENTIAL SKILLS

Government/Civics

Explain how decisions are made, interpreted, and enforced by the three branches of United States Government.

Understand and apply the rights and responsibilities of citizens.

Understand the purpose of the Constitution and identify the Constitution as the basis for laws of the United States.

State the main purpose of the Bill of Rights.

Understand how individuals participate in democracy

Write letters

Support Candidates

Vote

Evaluate ways to solve problems.

History

Consider historical motive.

Changes in transportation and communication over time.

Examine events in terms of cause and effect.

Construct timelines.

Identify primary and secondary sources.

Economics

Identify natural, capital, and human resources.

Distinguish between public and private goods and services.

Understands consumer/consumption.

Understand producer/production.

Explain supply/demand and scarcity.

Understand and use cost-benefit analysis.

Identify who pays sales taxes, who benefits, and how they are used.

Describe interdependence in a community.

Use opportunity cost as decision making factor.

Construct a chart to illustrate savings.

Understand money can be saved and invested.

Geography

Locate and label states that border Missouri.

Construct a map (compass rose, map key, title, and symbols).

Use relative location.

Use latitude and longitude.

Use an atlas.

Locate and label the Mississippi and Missouri Rivers.

Cultural Awareness

Understand that all people have basic human needs and rights.

Understand that the United States has always been multicultural.

