

4th GRADE CURRICULUM

Grade: K-4

Subject: Art

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Goals:

1. Students will understand and use different types of media.
2. Students will understand the basic skills such as making marks, cutting and pasting.
3. Students will create works of art based on personal experiences and imagination.
4. Students will use visual elements of line, shape and texture.
5. Students will understand and use color names and color mixing techniques.
6. Students will understand how images convey ideas, and how their own artwork reflects their experiences.
7. Students will understand the differences in material and techniques used in art and how they affect appearance.
8. Students will use familiar media in new ways.
9. Students will create artwork using a variety of subject matter and themes.

Content Topics: Knowledge/Skills/Values

1. Drawing from step-by-step instruction
2. Scissor, glue and pencil control and handling
3. The use of line to create shape and form
4. Basic drawing, coloring, and painting skills and techniques
5. Basic knowledge and understanding of the elements and principles of art
6. Basic three dimensional construction and design techniques

Resources, activities, and assessments:

Poster and other visual materials
Art Magazines
Kiln
Teacher demonstration and instruction
Teacher made worksheets and projects

Capitalization and Punctuation

Students will:

1. Use correct capitalization when writing.
2. Use commas and quotation marks in dialogue and quotations from a text.
3. Use a comma properly in a compound sentence.

Grammatical Structures

Students will:

1. Use relative pronouns.
2. Form and use progressive verb tenses.
3. Use helping verbs.
4. Use sentences with compound subjects and compound predicates in written work.

Parts of Speech

Students will:

1. Use parts of speech listed in grades K through 3 curricula in written work.
2. Form and use prepositions in written work.

Listening Skills

Students will:

1. Listen for tone, mood and emotion of verbal and non-verbal communication.
2. Paraphrase parts of a text that is read aloud or information presented through a variety of media.
3. Support answers with evidence from the text or presentation.

Vocabulary

Spelling:

Students will:

1. Spell words based on fourth grade reading and content.

Acquisition:

Students will:

1. Identify meanings of unknown words acquired through listening to, reading and discussing fourth grade content.
2. Identify affixes and explain how they affect word meaning.
3. Explore word relationships, including analogies.

Literature

Literary Techniques:

Students will:

1. Explain the meaning of similes and metaphors within text.
2. Identify personification.
3. Recognize common idioms, adages, and proverbs.

Literary Elements:

Students will:

1. Use details from grade level texts to identify story elements including theme.

Comprehension Skills:

Students will:

1. Apply comprehension skills listed in the K – 3 curricula to analyze grade level text.

Literary Genres:

Students will:

1. Identify the difference between poems, drama and prose referring to the structural elements.

Informational Text

Text Structure:

Students will:

1. Identify the overall structure of how a text is written (chronology, comparison, cause and effect, problem and solution).
2. Interpret information provided by timelines, animations and interactive elements on webpages.

Comprehension Skills:

Students will:

1. Use the main ideas and supporting details to summarize a text.
2. Draw inferences using specific information from the text.
3. Distinguish between fact and opinion.
4. Compare and contrast primary and secondary sources.

Vocabulary Skills:

Students will:

1. Identify and define academic and subject specific words and phrases in a text relevant to fourth grade.

Speaking Skills

Students will:

1. Deliver a presentation with appropriate facts and details.
2. Select and use public speaking techniques such as rate, pace and enunciation.

Research Process and Reference Skills

Students will:

1. Generate a list of key words or phrases to investigate a topic.
2. Revise, with assistance, focus questions and/or keywords as information is gathered.
3. Record information gathered from a variety of sources with assistance.
4. Identify, with assistance, whether a source is primary or secondary.
5. Produce a list of sources used in research.

Writing

Writing Process:

Students will:

1. Prewrite, draft, revise for word choice, proofread, and publish independently to develop fluency.

Sentence:

Students will:

1. Recognize and correct sentence fragments and run-ons.

Essay:

Students will:

1. Write a multi- paragraph narrative, descriptive, persuasive, and expository essay using logical sequencing with an awareness of audience.
2. Recognize when to use formal writing versus informal writing.
3. Compose arguments to support a position on a topic or text using valid reasoning from a variety of sources.

Operations and Algebraic Thinking

Students will:

1. Use the four operations to solve problems involving whole numbers
2. Solve multistep word problems with whole numbers using the four operations
3. Find all factor pairs for a whole number in the range 1-100
4. Determine whether a given whole number in the range 1-100 is a multiple of a given one-digit number
5. Recognize prime and composite numbers between 1-100
6. Construct and analyze patterns with numbers and shapes

Number and Operations in Base Ten

Students will:

1. Recognize the relationship between digits according to their place values
2. Read, write, and compare multi-digit whole numbers using base ten numerals and expanded form
3. Use place value understanding to round multi-digit whole numbers to any place
4. Fluently add and subtract multi-digit whole numbers
5. Multiply a whole number of up to four digits by a one or two-digit whole number
6. Divide up to four digit dividends by one or two digit divisors

Numbers and Operations –Fractions

Students will:

1. Recognize, write and explain equivalent fractions
2. Compare two fractions with different numerators and denominators
3. Solve equations and word problems involving addition and subtraction of fractions with like denominators
4. Add and subtract mixed numbers with like denominators
5. Multiply a fraction by a whole number
6. Use and compare decimal notation for fractions with denominators of 10 or 100

Measurement and Data

Students will:

1. Convert measurement units for length, mass, volume and time in metric and standard form
2. Use the four operations to solve word problems involving distances, intervals of time, liquid volumes, mass, and money with whole numbers, fractions, and decimals
3. Apply the area and perimeter formulas for rectangles in real world and mathematical problems
4. Create and use a line plot to solve addition and subtraction of fractions
5. Recognize angles as geometric shapes formed when two rays share a common endpoint
6. Measure and draw angles in whole-number degrees using a protractor
7. Recognize that the angle measure of the whole is the sum of the angle measures of the parts

Geometry

Students will:

1. Draw points, lines, line segments, rays, angles and perpendicular and parallel lines. Identify these in two-dimensional figures
2. Classify various two-dimensional figures based on the properties of their lines and angles
3. Recognize and draw lines of symmetry for a two-dimensional figure

Sts. Joachim and Ann School's Extended Goals

Students will:

1. Organize and compare data using graphs, tables and charts
2. Calculate mean, median, and mode for a given set of numbers

Resources, activities and assessments:

Progress in Mathematics- Sadlier-Oxford (copyright 2012)

On-line textbook-Progress in Mathematics 4

Simple Solutions Level 4- Bright Ideas Press (consumable material-annual purchase)

Manipulatives for counting, time, money, and measuring

Student Dry Erase Boards

Calculators

Smart Notebook software for interactive media

IA IOWA Assessment- Riverside Publishing (2012)

Math Software for Computer Lab

: Dancing Dinos (3rd grade)

Clock Faces- Micrograms

Penny Panda-Micrograms

Professor Fractions- Micrograms

Wild West Math-Micrograms

Pdf of textbook: Progress in Mathematics- Sadlier-Oxford Publishing

Goals:

1. Students will describe elements of music through singing and listening.
2. Students will apply basic elements of music and describe music using basic musical vocabulary.
3. Students will sing using a variety of musical genre
4. Students will apply music notation in singing and playing an instrument.
5. Students will recognize different styles of music.
6. Students will apply music to other subject areas.

Content Topics: Knowledge/Skills/Values

1. Elements of music: melody, rhythm, form, harmony, media, and expression
2. Musical vocabulary: steady beat, rhythm, tempo, dynamics, notation, ostinato, phrases, descant, and countermelodies
3. Styles of music: echo songs, partner songs, rounds, ballads, folk songs, and songs from other cultures
4. Read and write musical notation in oral and written form: treble clef, bass clef, note type, notes names, time signature, rest, note values, endings, pick-up notes
5. Play a musical instrument
6. Music across the curriculum: multicultural songs, math connection to notation, cultural and historical events as background to songs, liturgical activities, play and reading scripts, writing lyrics using poetry styles, various seasonal events
7. Dictation of Melodies and Intervals using the Kodaly System
8. Singing a variety of songs

Resources, activities, and assessments:

Textbooks and resource guides: Silver Burdett & Ginn (copyright 1991)

Music K8 program music

Various CD's and videos Music Bingo / Manuscript Books

Instruments (recorders, keyboards, Boomwackers, rhythm instruments, tone bells, etc.)

Teacher made worksheets and tests

Goals:

1. Students will develop the various skills of physical activity/sports/games.
2. Students will identify equipment used in sports/games.
3. Students will become familiar with rules associated with sports/games.
4. Students will demonstrate knowledge of sports/games through participation.
5. Students will practice and observe safety procedures.

Content Topics: Knowledge/Skills/Values

1. Long distance running
2. Short distance running
3. Obstacle course/track and field
4. Tumbling
5. Football
6. Team sports
7. Passing skills
8. Basketball
9. Softball, baseball
10. Soccer

Resources, Activities, Assessments

Presidential Physical Fitness Tests
Healthteacher.com
Team sports
Teacher Created Skills Tests
Teacher observation

Goals:

1. Students will identify the Creed as the expression of their faith.
2. Students will demonstrate knowledge and understanding of the Laws of Love, the Beatitudes, and the Ten Commandments as guides for Christian living.
3. Students will identify the Laws (Precepts) of the Church.
4. Students will demonstrate ability to locate books, chapters and verses in the Bible.
5. Students will identify parts of the Mass and seasons of the Church Year.
6. Students will identify the Spiritual and Corporal Works of Mercy and respond to them through actions and words.
7. Students will increase their appreciation of the Sacraments as celebrations of God's saving work among us.

Content Topics: Knowledge / Skills / Values

1. Ten Commandments / Morality
2. Old and New Testament
3. Precepts of the Church
4. Beatitudes
5. Saints, Mary: Assumption, Immaculate Conception
6. Liturgical Seasons
7. Mysteries of the Rosary
8. Sacraments
9. Participation/planning liturgies
10. Corporal and spiritual works of mercy
11. Sin: Venial/Mortal, Personal/Social
12. Pentecost as the coming of the Spirit and the Birthday of the Church
13. Prayers Introduced: Nicene Creed, Hail Holy Queen

Resources, Activities, Assessments:

Christ Our Life- God Guide Us - Loyola Press
Bible
Catechism of the Catholic Church
Family Life 4 – Benziger (copyright 2001)
Children's Daily Prayerbook – Liturgy Training Publications
Rosary Booklets

Goals:

1. Students will be able to classify living things and animal and plant growth adaptation.
2. Students will be able to identify properties of matter, energy, electricity, sound, and motion.
3. Students will examine rock, minerals, and fossils.
4. Students will understand the relationship between earth and other planets.
5. Students will understand weather patterns and identify the characteristics of ecosystems.
6. Students will be able to identify the systems of the body.

Content Topics: Knowledge/Skills/Values

1. Classifying living things
2. Animal and plant growth adaptation
3. Human body systems
4. Ecosystems and natural resources
5. Earthquakes and volcanoes
6. Rocks, minerals, and fossils
7. Weather conditions
8. Planets in space
9. Properties of matter
10. Energy and electricity
11. Weathering and erosion
12. Scientific method (observations, inferences, hypothesis, procedure, indent variable, conclusion)

Resources, activities and assessments:

Science: A Closer Look – Macmillan/McGraw-Hill (copyright 2008)
Cuivre River Electric Presentation
Trees from Missouri Conservation
IA Iowa Assessments- Riverside Publishing (2012)

Goals:

1. Students will identify the location of the fifty states of the United States.
2. Students will be able to match states with their capitals and state abbreviations.
3. Students will be able to identify major U.S. cities, waterways, and natural land formations.
4. Students will be introduced to National landmarks
5. Students will interpret maps and globes by using latitude, longitude, cardinal and intermediate directions.
6. Students will be able to discuss the regions by understanding the unique contribution of natural and human resources.
7. Students will understand how the history created each region's uniqueness (including important historical people who played a part in its settlement).
8. Students will learn how the U.S. relates to Global Communities.

Content Topics: Knowledge/Skills/Values

1. Map skills
2. General geography of the United States
3. The Northeast States
4. The Southern States
5. The Midwest States
6. The Western States
7. World geography in comparison to U.S.
8. State landmarks
9. Missouri history

Resources, activities and assessments:

Regions – Scott Foresman (copyright 2003)
Regions – Workbook, Scott Foresman (copyright 2003)
Map Skills Gr. 4; Teacher Created Materials, TCM 3729, 2003
State Crossword Puzzles; Scholastic, 2002
Videotapes – Macmillan/McGraw-Hill: Regions of the United States
Adventures in Time and Place, McGraw Hill, 1997
Regions of the USA; The Education Center, TEC 875; Gr. 4-6
Missouri Weekly publication
IA Iowa Assessments- Riverside Publishing (2012)