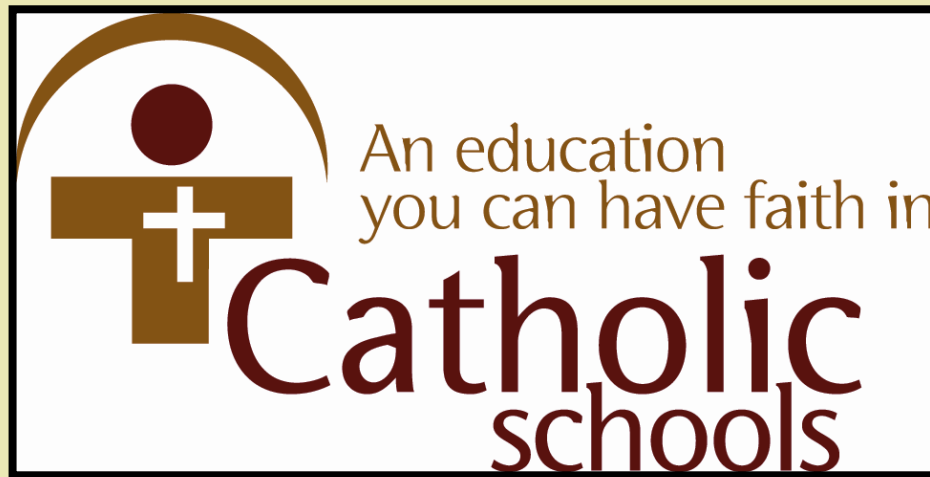


*Archdiocese of Milwaukee
Office for Schools*



**Curriculum Guide
Grade 4**

What is a Curriculum Guide?

Academic excellence is a hallmark of Catholic schools in the Archdiocese of Milwaukee. To assist schools in maintaining academic excellence, the archdiocese's Office for Schools has developed curriculum guides for grades 4K-8th that identify what we want our students to know and be able to do at the end of each grade based on national, state, and local standards. With these guides as a template, each individual school develops a plan to clearly articulate what is taught, how it is taught, and how student achievement is assessed for each grade. This process of "fine tuning" results in a school specific standards-based curriculum that guides teaching and learning.

Characteristics of a 4th Grader

- ✓ Demonstrates an interest in the wider world
- ✓ Grows in awareness of justice and fair play
- ✓ Exhibits awareness of self as individual and as a member of a group
- ✓ Recognizes need for guidelines and rules
- ✓ Acts more independently and confidently
- ✓ Begins to think of larger issues, e.g., environment, prejudice, violence, etc.
- ✓ Enjoys reading, listening to and participating in stories as well as role playing
- ✓ Develops friendships with members of the same sex
- ✓ Learns from observations as well as direct teaching
- ✓ Is able to use technology to obtain information and to communicate with others
- ✓ Displays curiosity about life, nature and people
- ✓ Desires to share and do things with others
- ✓ Develops an awareness that life requires making choices
- ✓ Is significantly influenced by teens and pre-teens in popular culture (music, television, movies)

RELIGION

Creedal Church

- Believes in the goodness of creation and God’s care for it
- Understands grace as a sharing in God’s life
- Appreciates the Holy Spirit as helper and guide in making good choices
- Understands Church as a community of worship, witness and service which carries on the work and mission of Christ
- Understands that God communicates gradually to us
- Understands that our faith is Trinitarian as expressed in Baptism
- Understands that the story of Adam and Eve reminds us that our first parents sinned against God
- Understands that Jesus lived, suffered and died for us, and we will rise with Christ to new life after death
- Knows in everything Jesus did, he is our model
- Knows that the Trinity was fully revealed to Jesus’ disciples at Pentecost
 - Understands that Scripture is God’s word to us
 - Understands and responds to the following Scriptural passages as experiences of God’s love for us, our love for humanity and our need for mercy and forgiveness: Ten Commandments (Exodus 20:2-17); Sermon on the Mount (Matthew 5:1-12); Good Samaritan (Luke 10:25-37); Prodigal Son (Luke 15:11-24); Temptation of Christ (Matthew 4:1-11)
 - Knows the meaning of the covenant with Noah, Abraham and Moses (Genesis 9:1-3, Genesis 17:1-9, Exodus 19:1-8)

Christian Prayer

- Understands prayer as the living relationship of the children of God with their Father, his Son and the Holy Spirit
- Prays and understands the Prayer of St. Francis as a model for peace and love in the world
- Prays the Our Father
- Understands the Nicene and Apostles Creeds as statements of Catholic beliefs
- Reviews the memorization of previous prayers
- Memorizes the Glory to the Father (Doxology) and the Apostles Creed
- Recognizes forms of popular piety such as the Rosary and the Stations of the Cross
- Experiences personal and communal prayer, especially prayers of praise and thanksgiving

Moral Life

- Recognizes that all Christians are called to holiness
- Knows Jesus’ Two Great Commandments of love are a Christian’s way of life
- Can articulate the Ten Commandments using the traditional formula
- Sees the Corporal and Spiritual Works of Mercy as ways of responding to the needs of others
- Realizes that original sin is the human condition into which we are all born
- Recognizes conscience as the inner ability to judge between good and bad when making choices and recognizes the seven capital sins
- Realizes that temptation is a pull toward something we know is sinful and that it is a part of everyone’s life
- Recognizes the seven gifts of the Holy Spirit
 - Responds to the Ten Commandments as rules to help us live God’s life of love (Exodus 20:2-17)
 - Learns the Beatitudes as a way of life modeled by Christ to bring happiness (Matthew 5:1-12)
 - Differentiates between sin which is choosing to turn away from God and mistakes which are accidents (Temptations of Christ - Matthew 4:1-11)
 - Realizes that all choices have responsibilities and consequences and are to be made in light of Gospel values (Good Samaritan - Luke 10:25-37)
- Knows that listening to feelings can help one decide how to act
- Knows that he/she can talk to someone when not feeling safe
- Identifies “private and special” body parts and touches which can make a person feel uncomfortable
- Can define bullying and harassment and recognize it when it occurs

LANGUAGE ARTS

Communicates orally:

- Identify and discuss criteria for effective oral presentations, including such factors as eye contact, projection, tone, volume, rate, and articulation
- Read aloud effectively from previously-read material
- Communicate precise information and accurate instructions in sequence while using notes and/or a brief outline in a demonstrative and/or informative
- Present fictional stories that recount events to large group
- Perform dramatic readings and presentations
- Distinguish between fact and opinion and provide evidence to support opinions while speaking
- Volunteer information, ask and answer questions directly relevant to discussion
- Demonstrate appropriate eye contact and non-verbal cueing while participating in a group discussion
- Reflect on the ideas and opinions of others and respond thoughtfully
- Ask clarifying questions of self, peers, and adults to gain further understanding of unfamiliar words and ideas
- Summarize information from a discussion

Listens to and comprehends oral language:

- Follow multi-step directions and identify sequence
- Summarize key points of a story or discussion
- Listen to and retell complete stories in proper sequence
- Predict outcomes and draw conclusions from knowledge of plot and character development Listen to stories and respond to factual and interpretive questions
- Distinguish between fact and opinion and provide evidence to support opinions while speaking
- Distinguish between factual and interpretive questions
- Identify synonyms, antonyms and homonyms using dictionary and thesaurus
- Communicate effectively in common situations using various styles and purposes of oral and written language
Provide examples of variations of American English in various contexts

Applies grammar and spelling skills:

- Understand and use nouns, pronouns, adverbs, adjectives; use adverbials effectively in words and phrases
- Integrate the use of agreement principles related to number, gender, and case in written work
- Capitalize proper nouns, titles, and initial words of sentences
- Apply sentence ending punctuation rules, use punctuation marks and conjunctions to separate sentences and connect independent clauses, use punctuation marks with appositives and to indicate dialogue
- Spell frequently used words correctly
- Distinguish statements, questions, exclamations, and commands using punctuation and word order
- Compare definitions, synonyms/ antonyms using appropriate resources
- Interpret and convey meaning of words from roots, prefixes, and suffixes
Identify and use common figures of speech in appropriate contexts

Writes for various purposes:

- Convey essential details, facts, and descriptions/sequencing of events in a short non-fiction written piece (i.e. summaries, messages, informational essays, simple reports)
- Develop a main idea in a focused, written paragraph
- Convey details, facts, and sequencing accurately in a basic technical piece of writing (basic directions, instructions)
- Compose narratives using descriptive details and voice from the perspective of self
- Compose narratives using personal voice that reflect Catholic ideals and values
- Integrate the use of basic principles appropriate to specific genre in pieces of creative writing (poetry, fiction, and plays)
- Integrate the use of writing strategies appropriate to a variety of situations
- Write using a variety of writing modalities
- Write for various audiences and purposes
- Create a research proposal including elements of prior knowledge, questioning, and narrowing focus on a topic
- Identify, locate and explore multiple sources of information appropriate to inquiry
- Combine discoveries from research and inquiry into answers
- Present results of inquiry, process of learning and substance using an appropriate visual aid

Plans, drafts, revises, edits and publishes:

- Apply the elements of the writing process (prewriting, drafting, revising, editing, publishing)
- Explain the extent and reasons for revision in conference with a teacher
Produce a well developed, organized, and effective response in an appropriate voice

Communicates using information media and technology:

- Create a computer-generated piece using graphic and drawing programs
- Investigate and use electronic reference resources appropriate to context
- Generate, send and retrieve electronic messages
- Recognize persuasive techniques used in various media (radio, TV, etc.) for propaganda and advertising
- Identify images and symbols central to particular messages
- Compose news articles for familiar media outlets
- Create advertising messages and graphics for particular messages
- Prepare, perform, and tape simple television/radio scripts
- Prepare and perform school announcements and program scripts
- Distinguish between messages on radio, television, and print
- Distinguish among various messages for specific target audiences
- Identify approaches and techniques aimed for self and peers in advertising
- Generate, edit, and present media work appropriate to audiences and purpose
- Provide and receive feedback from peers about content, organization, and overall effect of media work

READING

Uses decoding strategies effectively:

- Analyze word structure and apply decoding strategies: suffixes y, ous, ly, ful, ness, less, tion, and ment; prefixes re, un, dis; synonyms, antonyms, homonyms, contractions with "have"

Uses effective reading strategies to comprehend material:

- Apply strategies of rereading and using context clues to recognize unfamiliar words
- Infer the meaning of unfamiliar words in sentences
- Apply multiple comprehension strategies while finding meaning
- Read with fluency, accuracy, and expression
- Predict and infer using maps and diagrams predict and infer using headings, paragraphs, subtitles, captions, and text organization
- Identify the various purposes for reading
- Summarize and interpret main events and ideas
- Identify cause and effect relationships
- Demonstrate the following strategies: connecting, predicting, inferring, and visualizing (text-to-text, text-to-self, and text-to-world) considering prior knowledge and experiences
- Demonstrate comprehension through identifying main idea and supporting details from literature, informational texts, and other print and nonprint sources

Reads, interprets, and critically analyzes literature:

- Compare and contrast story structure elements in various literary forms in order to reflect on meaning
- Compare and contrast story structure elements in various literary forms and relate reading to prior knowledge and experience
- Read and develop familiarity among a variety of genres/forms appropriate to age and reading level
- Connect different genres/forms to each other and to real-life experiences
- Connect elements of Catholic faith to real-life experiences
- Differentiate between types of fiction
 - Summarize key details of informational text and connect new information to prior knowledge

Reads to acquire information:

- Evaluate text for purpose
- Relate reading to prior knowledge and experiences
- Demonstrate understanding of human life experiences through: reading, reflection, and discussion of literary and non-literary texts
- Demonstrate an understanding of Catholic teachings when reflecting upon life's experiences and literary texts
- Select and summarize appropriate materials to read for discovery, appreciation, and enjoyment and connect them to prior knowledge and experience independently
- Self-identify a topic and seek information by investigating available text resources

MATH

Number Operations and Relationships:

- Identify place value to millions
- Identify decimals to tenths
- Read and represent whole numbers in expanded form
- Identify negative numbers
- Use arrays to solve problems
- Identify factors and multiples of numbers
- Understand multiples of 10, 100, 1000
- Use appropriate dollar and cent notation
- Compare whole numbers and fractions with like denominators using the appropriate symbols (<, >, =)
- Master addition and subtraction facts
 - Compute addition and subtraction problems using fractions with the same denominator
- Find patterns in multiplication and division tables
- Multiply one-digit numbers by two-, three- and four-digit numbers
- Estimate products
- Round to the nearest thousandth
- Use mental math to multiply by 10

Probability and Statistics:

- Interpret circle, bar, and line graphs
- Create a table to represent data
- Predict and list possible outcomes
- Find mean, median, range, and mode
- Use simple models to conduct probability experiments

Measurement:

- Estimate and compare mass and volume (metric and customary units) accurately
- Estimate and compare length (metric and customary units)
- Measure length accurately to the nearest quarter inch and mm
- Measure area by counting square representations
- Use conversion to solve simple problems within a system of measurement
- Solve simple problems using time
- Count, compare, and make change up to ten dollars

Geometry:

- Describe and represent 2-dimensional figures (polygons and circles)
- Identify obtuse, acute, right, and straight angles
- Identify and draw: point, line segment, ray, perpendicular lines, and parallel lines
- Identify cubes and square pyramid shapes from their nets (flat patterns)
- Calculate perimeter of plane figures

Algebraic Relationships:

- Apply number patterns to a variety of "real world" situations
- Use tables to solve problems
- Solve problems involving an unknown using manipulatives
- Substitute number values for letters to find a sum, difference, or product

SOCIAL STUDIES

Grade 4

ECONOMICS

Production/Consumption/Distribution:

- Identify the connection of natural resources to products of WI and regions of the U.S.
- Describe the importance of industries to Wisconsin in the past and present (i.e., agriculture, lumber, fur trade, and lead mining)
- Explain the advantages and disadvantages of various types of distribution of goods

Exchange:

- Examine various means of exchange (i.e., trade and barter for goods)

HISTORY

Time:

- Identify the sequence of events leading to the exploration and settlement of Wisconsin.
- Compare Wisconsin communities in the past and present.

People:

- Explore the significance of explorers, missionaries, and fur traders to Wisconsin (See Appendix)
- Explore the significance of immigrants to Wisconsin
- Explore the significance of American Indians to Wisconsin

Events:

- Describe the conflicts that affected the settlement of Wisconsin
- Summarize current events in the United States and Wisconsin

GEOGRAPHY

Location:

- Locate geographic landforms on Wisconsin and states maps
- Identify relative and absolute location of Wisconsin
- Locate and identify states and physical features in the U.S.

Map Skills:

- Apply cardinal and intermediate directions
- Identify latitude and longitude
- Identify different types of maps
- Map regions of U.S.
- Map Wisconsin's physical features and major cities

Regions:

- Identify regions of Wisconsin and the U.S.

Human Environment:

- Identify renewable and nonrenewable resources

Place:

- Differentiate between weather and climate
- Define the Ice Age and its effects on Wisconsin regions
- Identify the cultures within Wisconsin

POLITICAL SCIENCE

Citizenship:

- Identify symbols of Wisconsin

Government:

- Describe how Wisconsin became a state
- Describe the changes made by the Progressive Party in Wisconsin
- Identify the three levels and branches of government and explain their duties

Laws:

- Explain how a bill becomes a law in Wisconsin

BEHAVIORAL SCIENCE

Individual:

- Describe how individuals contribute to Wisconsin's identity

Institutions:

- Explain the contributions of family, school, church, and government to Wisconsin

Society:

- Explain the contributions of Wisconsin to the nation
- Explain the impact of world events on Wisconsin
- Describe the different cultures that have shaped Wisconsin in the past and present
- Explain the concept of multiculturalism

CATHOLIC SOCIAL TEACHINGS

Life and Dignity of the Human Person:

- Begins to develop skills for conflict resolution
- Identifies ways to prevent prejudice/discrimination at school and play
- Recognizes and respects the qualities of a dignified life

The Call to Family, Community, and Participation:

- Recognizes and discusses the value of the human family
- Identifies Jesus as a member of a community in addition to being part of a family
- Applies the teachings of Jesus to Community
- Is involved in service projects and identifies these with Christian community

The Rights and Responsibilities of the Human Person:

- Applies basic Christian attitudes and skills in solving arguments and conflicts
- Articulates basic human rights and responsibilities
- Prays the Prayer of St. Francis in order to be sustained in fighting injustice

Option for the Poor and the Vulnerable:

- Understands Jesus' teachings about serving others
- Practices behaviors that help others
- Uses special individual talents to assist those in need of help
- Can tell stories about what poor children and children who are not poor have in common

Dignity of Work and the Rights of Workers:

- Shows respect for the value of all classmates work
- Can discuss the many different types of work roles and professions with respect
- Gives examples of how different kinds of work call forth different talents
- Demonstrates how all types of work contribute to the good of the whole

Solidarity of the Human Family:

- Identifies oneself as belonging to a family of global people where there are many differences
- Recognizes the values of our global neighborhood and cultures
- Recognizes and respects the uniqueness of the individual cultures throughout the world
- Identifies racial prejudice and demonstrates an acceptance of people from a race other than one's own

Care for God's Creation

- Explains how the environment is God's creation and ours to respect
- Demonstrates that we all have a role to play in preserving the environment
- Gives examples for daily life of conserving the environment

SCIENCE

Grade 4

EARTH SCIENCE

Weather:

- Relate that the water cycle consists of evaporation, condensation, precipitation, and the accumulation of surface and ground water

Changes in the Earth:

- Understand that smaller rocks come from the breaking or weathering of bedrock and larger rocks
- Relate how erosion is the moving of rocks and soil
- Know how features on the Earth's surface are constantly changing by a combination of slow and rapid processes

Earth's Structure/Composition:

- Relate that properties of soil impact how people use land
- Identify the three types of rocks
- Know that geologists classify rocks using physical and chemical changes

PHYSICAL SCIENCE

Matter:

- Investigate how the size, shape, mass, and material of an object determines whether it will sink or float in water
- Explain that buoyancy is connected to sinking and floating
- Identify that matter may be composed of parts too small to be seen without magnification
- Identify matter in three forms and know it has the ability to change forms
- Know matter is neither created nor destroyed, but can change form
- Investigate how properties of matter change by heating and cooling

Forces/Motion and Energy:

- Observe that heat is a common byproduct when energy changes form
- Describe how people's use of energy has changed over time
- Explain that energy is the ability to do mechanical work or to produce a change in temperature
- Identify the many different types of energy

Electricity/Magnetism:

- Investigate magnetic attraction to steel and iron materials
- Discover that electricity travels in circuits
- Demonstrate the organization of a simple circuit
- Discover that static electricity jumps from negative to positive charge
- Illustrate ways electricity can be conserved

LIFE SCIENCE

Animals:

- Classification
 - Explain that the terms carnivore, herbivore, and omnivore are used to describe animals that eat other animals, plants, or a combination of animals and plants
- Characteristics
 - Explain that a predator is an animal that catches and eats other animals

Plants:

- Characteristics
 - Identify that plants create their own food source
 - Identify that stems support the plant and transport water and nutrients
 - Explain the role of flowers in reproduction
- Life Cycles
 - Explain that energy is transferred through food chains

Environment:

- Adaptations
 - Explain that animal and plant adaptations are a result of interaction with the environment
- Interaction of Living Things
 - Explain that plants, animals, and the physical surroundings are interdependent
 - Discover that plants and animals interact with one another and their surroundings to form an ecosystem

Cells, Heredity and Classification:

- Recognize different animals and plants within their kingdoms
- Organize plants and animals using a classification system