

5th Grade Curriculum

This is an outline of the standards that your child will learn in Fifth Grade. Please see the teacher for more detailed information.

Updated June 2015



Standards

The standards contained in this guide were developed by the Diocese of Madison based on Common Core Standards, Wisconsin State Standards, and best practices.

This is an evolving work, and standards will be revised to meet the every changing needs of the students as they prepare to be productive citizens in the 21st century.

All standards will be taught and the highlighted standards will be part of your child's report card.

Computer and Information Sciences Standards Highlighted standards appear on the report card

- IT.5.A Create original works as a means of personal or group expression.
IT.5.A.1 Create a multimedia product using preselected software, with guidance.
- IT.5.B Communicate information and ideas effectively to multiple audiences using a variety of media and formats.
 IT.5.B.1 Create a product for a specific audience beyond the school using technology.
- IT.5.C Interact, collaborate and publish with peers, experts or others employing a variety of digital environments and media to produce original works or solve problems.
IT.5.C.1 Create an age appropriate collaborative project using a variety of media.
- IT.5.D Locate, organize, analyze, evaluate, synthesize and cite information from a variety of sources and media.
 IT.5.D.1 Organize and evaluate information using various tools.
IT.5.D.2 Locate, select and cite information using a specified format, for intended purposes with guidance.

Why aren't all standards on the report card?

The concise answer is space. The report card would be very long and difficult to read. The standards selected to be on the report cards are essential learning that takes place within that grade.

IT.5.E Collect and analyze data to identify solutions and/or make informed decisions.

IT.5.E.1 Collect, categorize and analyze data to describe and/or solve a problem using technology.

IT.5.F Advocate and practice safe, legal and responsible use of information and technology.

IT.5.F.1 Demonstrates an understanding of the legalities and use of copyrighted materials and intellectual property.

IT.5.F.2 Practice safe and responsible use of information and technology.

IT.5.F.3 Applies the morals and teachings of the Catholic Church in social media and online communications (e.g. cyberbullying).

IT.5.G Understand and uses technology systems.

IT.5.G.1 Uses efficient keyboarding skills.

IT.5.G.2 Communicate and demonstrate the use of web-based applications and hardware.

IT.5.H Select and use applications effectively and productively.

IT.5.H.1 Uses software (e.g. word processing, spreadsheets, presentation software) effectively.

Language Arts and Reading Standards

Highlighted standards appear on report card

LA.5.A. Use effective reading strategies to achieve their purposes in reading.

- Apply word recognition skills to increase vocabulary through the study of multiple meanings, context clues, and word structure.
- Understand and use visual aids such as graphs and maps.
- Apply knowledge of sentence and word meanings to understand unfamiliar words and clarify passages.
- Use structure of texts such as boldfaced print, cause-and-effect and sequence of events as aids to comprehension.
- Establish purposeful reading and writing habits to gain an understanding of diverse viewpoints.
- Read aloud with fluency, accuracy and expression.

LA.5.B. Read, interpret, and critically analyze literature.

- Describe the defining features and structure of literary texts, including conflict, characterization, point of view, flashback, and foreshadowing.
- Explain critical opinions about a text through discussion.
- Analyze ideas drawn from different works to each other and to real-life experiences to extend the literal meaning of the text.
- Recognize the effect of character dialogue on the overall impact of literature.
- Summarize, orally and in writing, passages of texts chosen for specific purposes.

LA.5.C. Read and discuss literary and informational texts to gain understanding.

- Analyze the themes and main ideas of a work considering its audience and purpose.
- Identify common historical, social, religious and cultural themes and issues in literary works and selected passages.
- Integrate literary and informational content (text and electronic media) presented in diverse format.

LA.5.D. Read to acquire information.

- Interpret and use informational resources in addition to charts, graphs, diagrams, tables, travel schedules, timelines, and manuals.
- Distinguish between the facts found in documents, narratives, charts, maps, tables and other sources and the generalizations and interpretations that are drawn from them.

LA.5.E. Create or produce writing to communicate with different audiences for a variety of purposes.

- Write a narrative based on experience that uses descriptive language and reveals a theme.
- Write a coherent expository with sufficient detail.
- Write a coherent and complete expository piece, with detail and purpose.
- Write creative fiction that includes major characters, a coherent plot, descriptive language, and concrete detail.
- Write in a variety of situations including public speaking, journaling and note-taking.
- Write for a variety of readers, including peers, teachers, and other adults, adapting content, style, and structure to audience and situation.

LA.5.F. Plan, revise, edit, and publish clear and effective writing.

- Identify questions and strategies for improving drafts in writing conferences with others.
- Produce and revise multiple drafts, including finished pieces, that effectively communicate with a specific audience.
- Use pre-writing strategies to organize information.
- Given a writing assignment to be completed in a limited amount of time, produce a well-developed, well-organized, and effective response in correct English and an appropriate voice.
- Compose topic and concluding paragraphs with supporting details and use appropriate transitions between paragraphs.

LA.5.G. Understand the function of various forms, structures, and punctuation marks of standard American English and use them appropriately in communications.

- Understand the function of words and phrases in a sentence and use them effectively (including all parts of speech).
- Employ the conventions of capitalization and punctuation.
- Understand and employ principles of agreement, including subject-verb and pronoun-noun.
- Use correct tenses to indicate the relative order of events.
- **Spell frequently used words correctly and use effective strategies for spelling unfamiliar words correctly.**

LA.5.H. Orally communicate information, opinions, and ideas effectively to different audiences for a variety of purposes.

- Distinguish between fact and opinion and provide evidence to support both.
- Present a coherent report on differing viewpoints on an issue, organizing the presentation in a manner appropriate to the audience.
- Engage effectively in a range of collaborative discussions.

LA.5.I. Listen and comprehend oral communications.

- Apply the rules of good listening as part of an audience.
- Follow a speaker's main points and oral instruction.
- Summarize and explain the information conveyed in an oral communication, accounting for the key ideas.
- Recall significant details and sequence accurately.

LA.5.J. Participate effectively in discussion.

- Participate in discussion by listening attentively, demonstrating respect for the opinions of others, and responding responsibly, and asking appropriate questions.
- Summarize the main points of a discussion, orally and in writing.
- Participate in discussion without dominating.
- Display and maintain facial expressions, body language, and other response cues that indicate respect for the speaker and attention to the discussion.
- Accept and use helpful criticism.

LA.5.K. Develop a vocabulary of words, phrases, and idioms as a means of improving communication.

- Utilize dictionaries, thesauruses, and computer when choosing words, phrases, and expressions for use in oral and written presentations.
- Explain word choice and the use of figurative language including similes, metaphors, onomatopoeia, and personification.
- Choose words purposefully and evaluate the use of words in communications designed to inform, explain, and persuade.

LA.5.L. Recognize and interpret various uses and adaptations of language in social, cultural, regional, and professional situations, and learn to be flexible and responsive in their use of English.

- Determine the style, formal/informal, which is appropriate to task, purpose, or audience when speaking or writing.

LA.5.M. Conduct research and inquiry on self-selected or assigned topics, issues, or problems and use an appropriate form to communicate their findings.

- Compile, organize, and evaluate information, taking notes that record and summarize what has been learned.

- Formulate research questions and focus investigation on relevant and accessible sources of information.
- Conduct interviews, and field studies, to gather information.
- Produce an organized written and/or oral report that presents and reflects on findings, draws sound conclusions, and gives proper credit to sources

Library Standards

Highlighted standards appear on the report card

IT.5.C. Interact, collaborate, and publish with peers, experts, or others employing a variety of digital environments and media to produce original works or solve problems.

IT.5.C.1 Creates an age appropriate collaborative project using a variety of media.

L.A.5.B Read, interpret, and critically analyze literature.

L.A.4.B.6 Differentiate between the different genres of literature.

L.A.5.C Read and discuss literary and informational texts to gain understanding.

L.A.5.C.2 Distinguish fiction from nonfiction, realistic fiction from fantasy, biography from autobiography, and various forms of poetry.

L.A.5.H Orally communicate information, opinions, and ideas effectively to different audiences for a variety of purposes.

L.A.5.H.1 Present effective oral presentations, including such factors as eye contact, projection, expression, fluency and articulation,

L.A.5.H.2 Perform expressive oral readings in genres such as poetry and drama.

L.A.5.M Conduct research and inquiry on self-selected or assigned topics, issues, or problems and use an appropriate form to communicate their findings.

L.A.5.M.2 Use multiple sources to identify and locate information pertinent to research.

Math Standards

Highlighted standards appear on the report card

Fifth Grade

MA.5.A. - Communicate mathematical ideas in a variety of ways.

MA.5.A.1 - Use pictures or manipulatives to demonstrate a solution process to a grade-appropriate problem.

MA.5.A.2 - Use graphs to represent and interpret data.

MA.5.A.3 - Construct a number sentence.

MA.5.A.4 - Use models and diagrams to represent mathematical ideas.

MA.5.B. - Use appropriate mathematical vocabulary, symbols, and notation with understanding based on prior conceptual work.

MA.5.B.1 - Introduce appropriate vocabulary for each topic of study.

MA.5.C. - Use reasoning skills.

MA.5.C.1 - Identify and extend intermediate geometric patterns.

MA.5.C.2 - Intermediate numerical patterns.

MA.5.C.2a – Identify

MA.5.C.2b - Extend

MA.5.C.3 - Demonstrate relationship between fractions and decimals.

MA.5.C.4 - Use a variety of problem-solving strategies.

MA.5.D. - Recognize mathematical ideas as they appear in other subject areas.

MA.5.D.1 - Use operations to solve everyday real world problems.

MA.5.E. - Explain concepts clearly and logically and support solutions with evidence.

MA.5.E.1 - Explain in written form solutions to problems.

MA.5.F. - Read, represent, order, and interpret various rational numbers.

- MA.5.F.1 - Identify place value to billions.
- MA.5.F.10 - Round to the nearest millions.
- MA.5.F.11 - Estimate numbers to thousandths.
- MA.5.F.12 - Estimate sums to millions.
- MA.5.F.13 - Identify prime and composite numbers.
- MA.5.F.14 - Write numbers using exponents .
- MA.5.F.2 - Read, write, and order more complex fractions including improper and mixed numbers.
- MA.5.F.3 - Read and write the expanded form for numbers up to billions.
- MA.5.F.4 - Read, write, and order decimals to the thousandths.
- MA.5.F.5 - Compare decimals.
- MA.5.F.6 - Compare whole numbers using appropriate symbols to billions.
- MA.5.F.7 - Compare whole numbers and fractions with unlike denominators.
- MA.5.F.8 - Generate and explain equivalent fractions.
- MA.5.F.9 - Compare decimals to fractions, to percents.

MA.5.G. - Perform and explain operations using rational numbers.

- MA.5.G.1 - Add up to 6 digit numbers with regrouping.
- MA.5.G.10 - Change improper fractions to mixed numbers.
- MA.5.G.11 - Change mixed numbers to improper fractions.
- MA.5.G.12 - Add and subtract mixed numbers.
- MA.5.G.13 - Multiply fractions.
- MA.5.G.14 - Multiply mixed numbers.
- MA.5.G.15 - Identify Greatest Common Factor.
- MA.5.G.16 - List multiples of numbers.
- MA.5.G.17 - Identify Least Common Multiple.
- MA.5.G.18 - Divide fractions.
- MA.5.G.19 - Add using decimals.
- MA.5.G.2 - Subtract up to 6 digit numbers with regrouping.
- MA.5.G.20 - Subtract using decimals.
- MA.5.G.21 - Multiply decimals with whole numbers.
- MA.5.G.22 - Multiply decimals with decimals.
- MA.5.G.23 - Divide decimals by whole numbers.
- MA.5.G.24 - Find the reciprocal of a number.
- MA.5.G.25 - Find percent of a number.
- MA.5.G.3 - Multiply up to a 3 digit by 3 digit.
- MA.5.G.4 - Solve long division with up to 2 digit divisors.
- MA.5.G.5 - Use mental math to find products of multiples up to 1,000.
- MA.5.G.6 - Use mental math to find quotients of multiples up to 1,000.
- MA.5.G.7 - Simplify fractions.
- MA.5.G.8 - Add fractions with unlike denominators.
- MA.5.G.9 - Subtract fractions with unlike denominators.

MA.5.H. - In problem-solving situations select and use appropriate procedures using rational numbers.

- MA.5.H.1 - Select appropriate methods for problem solving. (e.g., mental math, estimation, paper and pencil, pictures)
- MA.5.H.2 - Select algorithms for:
 - MA.5.H.2a - Addition
 - MA.5.H.2b - Subtraction
 - MA.5.H.2c - Multiplication
 - MA.5.H.2d - Division
- MA.5.H.3 - Use opposite operations to check computation.
- MA.5.H.4 - Use divisibility rules for 2, 3, 5, 6, 9, & 10.

MA.5.I. - Describe geometric figures.

- MA.5.I.1 - Identify plane and solid figures. (e.g. triangle, quadrilateral, hexagon, pentagon, octagon, sphere, prism, cube)
- MA.5.I.10 - Create symmetrical images.
- MA.5.I.2 - Classify and identify parts of solid figures. (e.g. vertex, edge, face)

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- MA.5.I.3 - Identify and name parallel and intersecting lines.
 - MA.5.I.4 - Identify and name angles as acute, obtuse, right, and straight.
 - MA.5.I.5 - Measure and identify parts of angles.
 - MA.5.I.6 - Classify triangles.
 - MA.5.I.7 - Classify quadrilaterals.
 - MA.5.I.8 - Identify parts of a circle.
 - MA.5.I.9 - Identify and draw lines of symmetry.

MA.5.J. - Understand the use of a rectangular coordinate system.

- MA.5.J.1 - Identify points on a coordinate plane.
- MA.5.J.2 - Plot points on a coordinate plane.

MA.5.K. - Perform transformations.

- MA.5.K.1 - Distinguish between and draw slides, flips and turns.

MA.5.L. - Identify and use relationships among figures.

- MA.5.L.1 - Identify the difference between congruent and similar figures.
- MA.5.L.2 - Compare and contrast quadrilaterals.
- MA.5.L.3 - Find the sum of the angles in a triangle.

MA.5.M. - Recognize and describe measurable attributes/units of measure.

- MA.5.M.1 - Demonstrate the use of the appropriate tools and units to measure.
- MA.5.M.2 - Change customary units of length, capacity, and weight in the customary system.
- MA.5.M.3 - Change metric units of length, capacity, and weight in the metric system.

MA.5.N. - Understand and demonstrate basic facts, principles, and techniques of measurement.

- MA.5.N.1 - Measure to the nearest $\frac{1}{8}$ inch.
- MA.5.N.2 - Measure to the nearest millimeter.
- MA.5.N.3 - Measure perimeter and circumference using geometric formulas.
- MA.5.N.4 - Measure area for square, rectangle, parallelogram, and triangles.
- MA.5.N.5 - Measure surface area and volume of rectangular prisms.
- MA.5.N.6 - Read temperatures on a thermometer and calculate changes in temperature.
- MA.5.N.7 - Add, subtract, multiply, and divide units of measure.

MA.5.P. - Collect, organize and display data.

- MA.5.P.1 - Create circle, bar, line, stem and leaf, and line plots.
- MA.5.P.2 - Apply correct scale to graphs.
- MA.5.P.3 - Collect data using observations, surveys and experiments.
- MA.5.P.4 - Create tables and graphs to represent data.
- MA.5.P.5 - Solve problems making an organized list.

MA.5.Q. - Extract, interpret, and analyze information from organized and displayed data.

- MA.5.Q.1 - Interpret pictographs, line plots, and circle, bar, stem and leaf, and line graphs.
- MA.5.Q.2 - Find mean, median, range, and mode.
- MA.5.Q.3 - Draw reasonable conclusions based on data.

MA.5.R. - Determine the likelihood of an occurrence of events.

- MA.5.R.1 - Experiment to determine possible outcomes.
- MA.5.R.2 - Predict and list possible outcomes.
- MA.5.R.3 - Use simple models to conduct probability experiments.
- MA.5.R.4 - Recognize fair and unfair outcomes.

MA.5.S. - Use variables to represent an unknown number, quantity, or object.

- MA.5.S.1 - Substitute numbers for variables to evaluate an expression and solve an equation.
- MA.5.S.2 - Determine what mathematical symbols (e.g. $<$, $>$, $+$, $=$) are used to represent relationships .
- MA.5.S.3 - Write a number sentence using a variable.

MA.5.U. - Recognize, describe, and analyze functional relationships.

- MA.5.U.1 - Identify rule to describe pattern change.

MA.5.V. - Solve equations and inequalities in a variety of ways.

MA.5.V.1 - Solve 1-step, single variable equations.

MA.5.V.2 - Solve multi-step problems.

MA.5.W. - Recognize and use generalized properties and relations.

MA.5.W.1 - Recognize and use Commutative, Associative, and Identity Properties of addition.

MA.5.W.2 - Recognize and use Commutative, Associative, Identity, Zero, and Distributive Properties of multiplication.

**Fifth Grade Pre-Transition Math
Highlighted Standards appear on the report card**

MA.6.A. - Communicate mathematical ideas in a variety of ways.

MA.6.A.1 - Demonstrate clear organization of ideas and procedures.

MA.6.A.2 - Use graphs, to represent and interpret data.

MA.6.A.3 - Apply math strategies correctly in regards to purpose and audience.

MA.6.A.4 - Demonstrate appropriate use of technology.

MA.6.A.5 - Identify different conventions of mathematics.

MA.6.B. - Use appropriate mathematical vocabulary, symbols, and notation with understanding based on prior conceptual work.

MA.6.B.1 - Read and use mathematical terminology

MA.6.B.2 - Present a problem orally.

MA.6.B.3 - Explain a problem in written form.

MA.6.C. - Use reasoning skills.

MA.6.C.1 - Analyze and expand patterns.

MA.6.C.2 - Formulate questions for further exploration.

MA.6.C.3 - Identify relationships.

MA.6.C.4 - Evaluate strategies.

MA.6.D. - Recognize mathematical ideas as they appear in other subject areas.

MA.6.D.1 - Solve real life word problems with appropriate operations.

MA.6.E. - Explain concepts clearly and logically and support solutions with evidence.

MA.6.E.1 - Show step by step procedures.

MA.6.E.2 - Check reasonableness of results.

MA.6.E.3 - Defend computation and justify processes.

MA.6.F. - Read, represent, order, and interpret various rational numbers.

MA.6.F.1 - Identify decimals to thousandths.

MA.6.F.2 - Compare fractions.

MA.6.F.3 - Compare decimals.

MA.6.F.4 - Identify proper, improper fractions, mixed numbers.

MA.6.F.5 - Identify reciprocals.

MA.6.F.6 - Round decimals to the nearest thousandths.

MA.6.F.7 - Relate mathematical notation appropriately. (expanded, scientific, exponential)

MA.6.F.8 - Categorize prime and composite numbers 1-100.

MA.6.G. - Perform and explain operations using rational numbers.

MA.6.G.1 - Add fractions with unlike denominators.

MA.6.G.10 - Divide decimals.

MA.6.G.11 - Divide integers.

MA.6.G.12 - Convert fractions, decimals, percents.

MA.6.G.13 - Divide fractions.

MA.6.G.2 - Add decimals.

MA.6.G.3 - Add integers.

MA.6.G.4 - Subtract decimals.

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- MA.6.G.5 - Subtract fractions with unlike denominators.
 - MA.6.G.6 - Subtract integers.
 - MA.6.G.7 - Multiply decimals.
 - MA.6.G.8 - Multiply fractions.
 - MA.6.G.9 - Multiply integers.

MA.6.H. - In problem-solving situations select and use appropriate procedures using rational numbers.

- MA.6.H.1 - Analyze information and apply appropriate computational procedures
- MA.6.H.2 - Solve percentage problems using mathematical conventions.
- MA.6.H.3 - Use divisibility rules for 2, 3, 4, 5, 6, 9, & 10.
- MA.6.H.4 - Use prime factorization to find Greatest Common Factor (GCF), Least Common Multiple (LCM), and prime numbers.

MA.6.I. - Describe geometric figures.

- MA.6.I.1 - Construct plane figures.
- MA.6.I.2 - Construct and draw parts of a circle.
- MA.6.I.3 - Construct triangles (scalene, isosceles, equilateral).
- MA.6.I.4 - Design shapes with multiple lines of symmetry.
- MA.6.I.5 - Compare, sort, and classify polygons.
- MA.6.I.6 - Draw and label 2-dimensional figures.

MA.6.J. - Understand the use of a rectangular coordinate system.

- MA.6.J.1 - Identify coordinates on a grid.
- MA.6.J.2 - Identify parts of coordinate grid.
- MA.6.J.3 - Plot and label coordinates on a grid.

MA.6.K. - Perform transformations.

- MA.6.K.1 - Use rotations, reflections, and translations to change the position of figures.

MA.6.L. - Identify and use relationships among figures.

- MA.6.L.1 - Construct and represent congruent shapes.
- MA.6.L.2 - Construct and represent similar shapes.

MA.6.M. - Recognize and describe measurable attributes/units of measure.

- MA.6.M.1 - Demonstrate the use of the appropriate tools and units to estimate, compare, and measure.
- MA.6.M.2 - Change customary units of length, capacity, and weight in the customary system.
- MA.6.M.3 - Change metric units of length, capacity, and weight in the metric system.
- MA.6.M.4 - Convert metric and US customary units.

MA.6.N. - Understand and demonstrate basic facts, principles, and techniques of measurement.

- MA.6.N.1 - Measure length accurately to the nearest 1/16 inch.
- MA.6.N.2 - Measure length to the nearest millimeter.
- MA.6.N.3 - Measure perimeter and circumference using geometric formulas.
- MA.6.N.4 - Measure area using geometric formulas.
- MA.6.N.5 - Measure surface area and volume of rectangular solids.
- MA.6.N.6 - Add, subtract, multiply, and divide units of measure.

MA.6.O. - Determine measurements indirectly.

- MA.6.O.1 - Estimate measurements in customary and metric units.
- MA.6.O.2 - Use ratios to compare unit rates in proportions.

MA.6.P. - Collect, organize and display data.

- MA.6.P.1 - Create and interpret stem and leaf plots.
- MA.6.P.2 - Create surveys and interpret data using frequency tables and line plots.
- MA.6.P.3 - Formulate questions, design studies and collect data.
- MA.6.P.4 - Use appropriate tables, graphs, charts to display collected data.
- MA.6.P.5 - Use technology to organize and display data.
- MA.6.P.6 - Draw and read circle graphs to interpret information.

MA.6.Q. - Extract, interpret, and analyze information from organized and displayed data.

- MA.6.Q.1 - Determine frequency and distribution of data.
- MA.6.Q.2 - Identify and organize central tendencies of data.
- MA.6.Q.3 - Identify indicators of dispersion.
- MA.6.Q.4 - Predict the outcome of events.

MA.6.R. - Determine the likelihood of an occurrence of events.

- MA.6.R.1 - Identify possible outcomes using tree diagrams, lists, etc.
- MA.6.R.2 - Evaluate presentations and statistical analyses.

MA.6.S. - Use variables to represent an unknown number, quantity, or object.

- MA.6.S.1 - Substitute numbers for variables to evaluate an expression and solve an equation.
- MA.6.S.2 - Use appropriate symbolism.
- MA.6.S.3 - Combine like terms.

MA.6.T. - Work with linear and non linear patterns and relationships in a variety of ways.

- MA.6.T.1 - Identify linear patterns with tables/graphs.

MA.6.U. - Recognize, describe, and analyze functional relationships.

- MA.6.U.1 - Identify rule to describe pattern change.

MA.6.V. - Solve equations and inequalities in a variety of ways.

- MA.6.V.1 - Solve 1-step, single variable equations.
- MA.6.V.2 - Solve 2-step, single variable equations.

MA.6.W. - Recognize and use generalized properties and relations.

- MA.6.W.1 - Categorize Commutative/Associative Properties of addition/multiplication.

Music Curriculum Standards

Highlighted standards appear on report card

ME.1 - Singing, alone and with others, a varied repertoire of music

- ME.1.A.5 - Sing melodic phrases in various types of texture
- ME.1.D.5 - Perform a variety of patterns in simple and compound meter
- ME.1.E.5 - Demonstrate proper vocal technique with appropriate expression
- ME.1.F.5 - Sing and understand music representing various cultures, genres, and styles

ME.2 - Performing on instruments, alone and with others, a varied repertoire of music

- ME.2.A.5 - Perform phrases or melodies on pitched instruments in more than one part with proper technique
- ME.2.B.5 - Identify and play harmonies that change intervals as a member of an ensemble
- ME.2.D.5 - Perform a variety of rhythmic patterns in simple and compound meter
- ME.2.E.5 - Perform and understand music representing various cultures, genres, and styles

ME.4 - Composing and arranging music within specified guidelines

- ME.4.A.5 - Compose short pieces within specified guidelines that express a particular idea or feelings
- ME.4.C.5 - Demonstrate the use of elements of music in a composition
- ME.4.D.5 - Create or arrange an accompaniment to a given melody

ME.5 - Reading and notating music

- ME.5.A.5 - Read melodic and rhythmic patterns using standard notation in a variety of time signatures, including syncopated patterns and expressive qualities
- ME.5.B.5 - Notate melodic and rhythmic patterns using standard notation in a variety of time signatures, including syncopated patterns
- ME.5.C.5 - Dictate traditional notation for simple melodic and/or rhythmic patterns that have been performed by someone else

ME.8 - Understanding relationships between music, the other arts, other subject areas, and Catholic Identity

ME.8.A.5 - Understand similarities and differences within artistic genres

ME.8.B.5 - Understand the relationship between music and other subjects

ME.8.C.5 - Understand music of the Catholic Tradition and participate appropriately within the context of the Mass

ME.9 - Understanding music in relation to history and culture

ME.9.A.5 - Identify by genre and style examples of music from various cultures and historical periods

ME.9.B.5 - Understand how uses of music are suitable for specific occasions while respecting differences in values

ME.9.C.5 - Demonstrate appropriate audience behavior and understand roles of varied performers

Physical Education Standards

Highlighted standards appear on report card

PE.1 - The physically literate individual will demonstrate competency in a variety of motor skills and movement patterns

PE.1.A.5 - Combine locomotor skills with manipulative skills within the context of individual and team activities

PE.1.B.5 - Demonstrate mature patterns of locomotor skills in dynamic small-sided practice tasks, gymnastics, and dance

PE.1.C.5 - Exhibit control of the body in terms of balance and weight transfer within an activity

PE.1.D.5 - Demonstrate ability to manipulate with a variety of implements with accuracy

PE.1.E.5 - Demonstrate ability to manipulate with varied objects with accuracy

PE.1.F.5 - Demonstrate ability to manipulate with a variety of implements with accuracy

PE.2 - The physically literate individual will apply knowledge of concepts, principles, strategies, and tactics related to movement and performance

PE.2.A.5 - Combine spacial and movement concepts within an activity

PE.2.B.5 - Apply movement concepts of speed and endurance with appropriate force and direction within an activity

PE.2.C.5 - Apply simple offensive and defensive strategies within an activity

PE.3 - The physically literate individual will demonstrate the knowledge and skills to achieve and maintain a health-enhancing level of physical activity and fitness

PE.3.A.5 - Understand how opportunities for participating in physical activity outside of physical education class benefits fitness

PE.3.B.5 - Understand the difference between skill-related and health-related fitness

PE.3.C.5 - Understand the impact of food choices relative to physical activity

PE.4 - The physically literate individual will exhibit responsible personal and social behavior that respects self and others

PE.4.A.5 - Engage in physical activity with responsible interpersonal behavior

PE.4.B.5 - Give corrective feedback respectfully to peers

PE.4.C.5 - Accept, recognize, and actively involve others with all skill levels

PE.4.D.5 - Exhibit etiquette and adherence to rules in a variety of physical activities

PE.4.E.5 - Apply safety principles during activities

PE.5 - The physically literate individual will recognize the value of physical activity for health, enjoyment, challenge, self-expression, and/or social interaction

PE.5.A.5 - Understand how being physically active leads to a healthy body

PE.5.C.5 - Describe the challenges that come from learning new physical activities

PE.5.D.5 - Understand reasons for a positive or negative response to physical activities

PE.5.E.5 - Describe social aspects of participating in physical activities

Social Studies Standards

Highlighted standards appear on report card

SS.5.A. Summarize and draw conclusions regarding information on graphs, charts and timelines.

- Use variety of geographic representations including various types of maps, a globe, aerial photograph, and satellite images to gather, generate and manipulate information about a place.
- Practice constructing maps from memory.
- Construct a simple region or state map that represents relative location, direction, size and shape.

SS.5.B. Understand how geographic and human characteristics create culture and define regions.

- Describe how buildings and their decoration reflect cultural values and ideas (i.e. cave paintings, and mound building).
- Identify scientific and technological innovations and describe their social and economic effects on the physical and human environment (i.e. cotton gin, water power).
- Locate and name all 50 states

SS.5.C. Understand how human actions and the location of resources affect the development of communities, environments, and the movement of populations.

- Describe the movement of people, ideas, disease, and products throughout the United States.
- Analyze causes and consequences current issues impacts on people, places and environments.
- Use a map/atlas to identify dominant patterns of climate and land use and compute population density.

SS.5.D. Understand how and why people create, maintain, or change systems of power, authority, and governance.

- Explain the need for laws and policies.

SS.5.E. Understand how cultures, groups, and individuals influence society and government.

- Analyze examples of conflict, cooperation, and interdependence among groups, societies or nations.
- Identify various groups who colonized America.
- Use historical evidence to determine and support a position about important political and religious values.
- Explain how and why events may be interpreted differently depending upon the perspectives of participants, witnesses, reporters and historians.

SS.5.G. Understand the historical sources in the order to interpret events and issues.

- Interpret the past using a variety of sources (i.e. biographies, diaries, journals, artifacts, eyewitness, interviews, and other primary source materials) and evaluate the credibility of each source.

SS.5.H. Understand the historical patterns, periods of time, and the relationship among these elements.

- Identify and summarize significant events and people in the major eras of United States history.
- Describe the relationship between and among significant events (i.e. the causes and consequences of wars).
- Interpret how significant events have influenced the past (United States).
- Understand the rights and responsibilities of each citizen, and demonstrate the value of lifelong civic action.
- Identify and explain the democratic principles of individual rights, responsibility for the common good, equal opportunity, equal protection of laws, freedom of speech, justice, majority rule with protection of minority rights.
- Identify, cite and discuss important political documents (Declaration of Independence, U.S. Constitution, Bill of Rights, etc.).
- Identify ways to participate in public policy debates (i.e. petition, protest).
- Understand the difference between power and authority.

SS.5.K. Understand the concepts of our American system of government.

- Explain the basic purpose and structure of government in America (i.e. branches, electoral process).
- Explain the role of political and interest groups.

SS.5.M. Understand the role of the United States and social responsibility in current world affairs.

- Practice critical thinking skills to compare and contrast viewpoints on issues (i.e. debates, discussions, speeches, essays).

SS.5.N. Understand how economic needs and wants influence individual and group decisions.

- Identify and apply the criteria (opportunity costs, needs, wants, etc.) needed to make an economic decision.

SS.5.O. Understand how economic conditions impact people's lives.

- Identify different economic conditions and social classes. (i.e. homeless, poverty, unemployed, wealthy, middle class, etc.)
- Identify what can be done to help the needy in the local community (i.e. service projects).

SS.5.P. Understand the functions of economic institutions.

- Identify various financial institutions.

SS.5.Q. Understand how governments throughout the world influence economic behavior.

- Define import and export.
- Define a tariff and how it impacts the costs of goods.

SS.5.S. Understand universal economic concepts.

- Identify factors that influence price.
- Define supply and demand.

SS.5.T. Understand the role an individual in group dynamics.

- Illustrate how individuals and groups have contributed to the growth of the United States.
- Define leadership and identify characteristics of positive leadership.
- Give examples of leaders in their school and community and identify their roles and responsibilities.

SS.5.U. Understand the process of how humans develop, learn, and internalize their culture.

- Explain how cultures can further global understanding or cause misunderstanding (i.e. Native vs. Colonial American, African American Slaves).
- Describe and explain the influence of status, religion, ethnic origin, race gender and age on the interactions of individuals and how bias, prejudice, and stereotyping leads to conflict in society.
- Define ethnic group, and discuss the customs and traditions of various ethnic groups found in the United States.
- Research and summarize the contributions made by various ethnic groups to the development of the United States.
- Compare and contrast different people's values and beliefs.
- Tell how understandings/ misunderstandings can occur among people.

SS.5.V. Understand current social issues and respond to them according to Catholic identity.

- Identify, research, and summarize the mission of community organizations that provide assistance to the residents.
- Describe and explain how people can contribute to social continuity and change within a community.
- Investigate the various committees or organizations within the parish that perform works of charity and mercy.

Religion Standards

Highlighted standards appear on report card

CAT.5.A. Understand the revelation as God's action to make Himself know: in creation, in his relationship with Israel, and in the Person of Jesus Christ.

- Know and retell the Story of Salvation History.
- Explain the meaning of: "You have made us for yourself, and our heart is restless until it rests in you" –St. Augustine's prayer. (CCC 30)
- Explain how "The Father's self-communication, made through his Word in the Holy Spirit, remains present and active in the Church. " (CCC 79)
- Explain that the Church finds her nourishment in the Scriptures, as well as in the Eucharist. (CCC 103, 131, 141)

CAT.5.B. Understand Faith as an assent to God who reveals Himself.

- Explain how Abraham's obedience is the great Old Testament model of faith. (CCC 144-46, 165)
- Realize that by revelation, the invisible God, out of love, addresses us as his friends in order to invite and receive us into his life. (CCC 142)
- Explain that as believers in Christ we accept in faith all that God has revealed, as taught by the Church. (CCC 182)

CAT.5.C. Understand Sacred Scripture as witness to God's Self-Revelation.

CAT.5.D. Be familiar with the structure and contents of Sacred Scripture and be able to use it.

CAT.5.E. Know and understand the articles of the Apostles' Creed.

- Recognize that to say the Credo with faith is to enter into communion with God, Father, Son and Holy Spirit and with the whole Church. (CCC 197)
- 2. Recognize that the Old Testament concerns belief in one God: "Hear, O Israel: The Lord our God is one LORD." (CCC 200-01, 228)
 - Explain how our final destiny is to enjoy the Trinity in heaven, in the light of eternal glory. (CCC 260, 265)
 - Know and express: "God created the universe and keeps it in existence by the Word, the Son 'upholding the universe by his word of power' and by his Creator Spirit, the giver of life." God is all Powerful. (CCC 320)
 - **Recall God made the world good. And explain how we must respect and protect creation. (CCC 339)**
 - **Recognize humanity is unified due to original parents and the "Adam and Eve transmitted to their descendents human nature wounded b their own first sin and hence deprived of original holiness and justice; this deprivation is called "original sin." (CCC 360-61, 404, 416, 417)**
 - Recognize that "As a result of original sin, human nature is weakened in its powers; subject to ignorance, suffering, and the domination of death; and inclined to sin." (CCC 400-02, 418)
 - Articulate "Jesus" means "God saves." And explain that we only find salvation in him, Jesus Christ. (CCC 430, 452)
 - Identify that "Mary is truly 'Mother of God' since she is the mother of the eternal Son of God made man, who is God himself." (CCC 495, 509)
 - Explain and give examples of how everything in the Old Testament converges on Christ. (CCC 522)
 - Describe how Christ showed himself to his disciples in the body they knew; but he had not returned to ordinary life, for his body was glorified by the Spirit. (CCC 645-46)
 - Describe where Christ, our head, has ascended, we hope one day to follow. (CCC 661, 666)
 - Articulate that the Holy Spirit is in the Church, the Scriptures, Tradition, the teaching office of the Church, and the sacraments; in prayer; charisms and ministries; in signs of apostolic and missionary life and in the saints. (CCC 688, 739)
 - Recall that: "The Church is the Body of which Christ is the head: she lives from him, in him, and for him; he lives with her and in her." (CCC 792-95, 805, 807)
 - Explain the Church has a great diversity of members; but sin can imperil her unity. (CCC 814)
 - Identify how the Church has visible bonds of unity: unity in faith, unity in worship and unity with the Church of the apostles, through the unbroken line of succession from Peter to today. (CCC 815, 857-62)
 - State that the Pope is the visible source of unity of the Catholic Church and has full authority over her along with the bishops who we listen to because they are successors of the apostles. (CCC 857-62, 882, 936-37))
 - Describe how Catholics share their material goods with others. (CCC 952)
 - Recall that in the mystery of the Assumption, Mary, assumed body and soul, has become the Queen of Heaven. (CCC 966, 974)
 - Explain that the resurrection of the body is the work of the Trinity. (CCC 989)
 - Explain that death was not part of the Divine Creator's plan, but entered the world as a consequence of original sin. As a result, we all suffer bodily death. (CCC 1008, 1018)
 - Explain that after death comes the individual judgment, from which we will go to Purgatory, Heaven or Hell. Ad general judgment will be at the end of time for all those left on earth. (CCC 1021-24, 1030-36, 1038-41, 1054-57, 1059)

CAT.5.F. Understand and participate in liturgical seasons, feast, and celebrations. (CCC 1076-1199, 1273)

- Explain how God works in and through the Liturgy of the Church. Discuss the liturgical church year with emphasis on Easter. (CCC 1110, 1168-69, 1170-83)

CAT. 5.G. Name, define, and describe each of the seven sacraments of the Church and will know how to participate in the celebration of each. (CCC Baptism 1210-84, Confirmation 1285-1321, Eucharist 1322-1419, Reconciliation 1422-98, Anointing of the Sick 1499-1532, Holy Orders 1536-1600, Matrimony 1601-66)

- Explain that Baptism forgives all sins, original and personal, and makes us adopted children of God, co-heirs with Christ, and temples of the Holy Spirit. (CCC 1213, 1263, 1265)
- Identify and describe the signs of the Eucharist are wheat bread and grape wine, which become Christ's

- body and blood by the power of the Holy Spirit. (CCC 1412)
- Name and explain the essential elements of the sacrament of Reconciliation as contrition, confession, absolution, and penance. (CCC 1448, 1480, 1491)
- Explain that sin offends God, damages the sinner's human dignity, and give examples of how it harms the Church community. Therefore, there are needs and benefits for frequent reception of the sacrament of Reconciliation. (CCC 1466, 1487-8, 1496)
- Connect the love of husband and wife with the image of the love of Christ for his Church. (CCC 1616-7, 1659, 1661)
- Explain that the grace of the sacrament of Anointing of the Sick unites the sufferer more closely to Christ's passion. (CCC 1505, 1521)
- **Identify tasks of the deacon to include assisting the bishop and priests in the distribution of Holy Communion, performing Baptisms, blessing marriages, the proclamation of the gospel, preaching, presiding over funerals, and dedicating themselves to ministries of charity. (CCC 1570, 1596)**
- Identify the bishop as the ordinary minister of Confirmation. (CCC 1312-3)

CAT.5.H. Understand the Eucharist has a special and central place in the life of the Church and in their own lives because it contains the very act of redemption which Jesus accomplished in his life, death, and resurrection. (CCC 1322-1419)

- Explain that the Eucharist is the source and summit of Christian life. (CCC 1327, 1407)
- Discuss that the Eucharist is also known as the Lord's Supper, the Holy Sacrifice of the Mass, and Holy Communion. (CCC 1328-32)
- Explain that the Eucharist is also offered for those in Purgatory so they may enter heaven. (CCC 1371, 1414)
- Explain that we adore Christ present in the Eucharist, both during Mass, when reserved in the tabernacle, and when exposed for solemn veneration. (CCC 1378, 1418)

CAT.5.I. Understand the dignity of every human person stemming from their creation in the image and likeness of God. (CCC-1691-1876)

- Defend that true happiness can only be found in God. (CCC 1723, 1728-29)
- Recite and describe the four cardinal virtues: prudence, justice, temperance, and fortitude. (CCC 1805-09, 1834-38)
- Describe the evidence of theological virtues (faith, hope, love) in the life of a saint. (CCC 1812-1813, 1840-41))
- Explain that since the image of God is marred by original sin, human life is a struggle between good and evil, light and darkness. (CCC 1707)
- Explain that for the morally mature person, feelings are subject to reason and will and respond in harmony with them in pursuit of the authentic good. (CCC 1767, 1769-70, 1775)
- Discuss the necessary elements to commit a mortal sin; grave matter, full knowledge and deliberate consent. (CCC 1857-59)
- Give examples of how venial sin weakens charity and lead us in the direction of mortal sin. (CCC 1862-63, 1965, 1875-76)

CAT.5.J. Understand that the human person is made for communion, both with God and the human community. (CCC 1877-1948)

- Connect all Catholic social teaching with the dignity of the human person. (CCC 1929, 1944)

CAT.5.K. Understand that wounded by sin, man needs salvation by God who comes to him in Christ who teaches us the law of love and recreates us in his image through the gift of his grace. (CCC 1949-2051)

- Explain the term justification (restoration of a right relationship with God and Man remission of sins, sanctification, and the renewal of the inner man). (CCC 2019)
- Describe sanctifying grace: the grace that heals our human nature wounded by sin through Baptism and Reconciliation the free gift of his life that God gives to us, which is infused by the Holy Spirit into the soul at Baptism to heal it of sin and sanctify it.

CAT.5.L. Understand how to judge the morality of acts and how the conscience is properly formed. (CCC 1730-1802)

- Recommend means by which a person creates a well-formed conscience (include Scripture, the teaching of the Church, prayer, and the witness of others help in the formation of conscience). (CCC 1783, 1785)
- Describe how reason and will help guide response to feeling. (CCC 1767-1775)

CAT.5.M. Understand the Ten Commandments. (CCC 2052-2557)

- Explain that in the Old Testament God made a covenant with his people. The Ten Commandments are an integral part of this new relationship. (CCC 2058, 2060-63, 2077)
- Discuss why the first commandment calls for faith, hope and charity. (CCC 2086, 2134)
- Explain why our moral life begins in faith and why we must protect that faith and avoid the sins against it: voluntary doubt, heresy and schism. (CCC 2087-89)
- Discuss why the first commandment requires us to pray, which is the opposite of superstition, divination and magic. (CCC 2098, 2111, 2115-17, 2135, 2138)
- Identify perjury as making a false oath, which calls God to witness to a lie. (CCC 2150-52, 2163)
- Explain that Catholics have the privilege and duty of attending Sunday Mass; not to do so deliberately is a grave sin. (CCC 2180-81, 2192)
- Recite and explain the significance of these Holy Days of Obligation: Mary Mother of God, Mary's Assumption, All Saints Day, Immaculate Conception of the Blessed Virgin Mary, Nativity of Our Lord (Christmas). (CCC 2177)
- Discuss how the family is the first cell of society; a society depends on families and must foster them. (CCC 2207, 2210, 2250)
- Explain that as children grow older, they must help their parents as much as they can. (CCC 2218)
- Explain how suicide is seriously contrary to justice, hope and charity. It is forbidden by the fifth commandment. (CCC 2280-81, 2325)
- Discuss how it is a moral obligation to take reasonable care of our health. (CCC 2288)
- Give examples of scandal: a grave offense when by deed or omission it deliberately leads others to sin. (CCC 2283-87, 2326)
- Identify chastity as the successful integration of sexuality within the person. (CCC 2337, 2395)
- Explain that by chastity we gain mastery over ourselves and, thus, become more free; this is a life-long task to which all are called. (CCC 2339-42, 2348)
- Identify Jesus Christ is our model of chastity. (CCC 2394)
- Explain how when we steal or defraud another we are bound to make reparation. (CCC 2412, 2454)
- Recall how a lie or an offense against a person's reputation may demand reparation. (CCC 2487, 2509)
- Explain how Christians respect their bodies and the bodies of others as temples of the Holy Spirit. (CCC 2519)

CAT.5.N. Understand what prayer is and revelation of prayer. (CCC 2559-2649)

- Explain how God created us to look for Him in prayer. (CCC 2560-61)
- Define the Prayer of Intercession and Petitions. (CCC 2629-2636)

CAT.5.O. Understand the Catholic Christian tradition of prayer. (CCC 2650-2696)

- Witness how prayer from the Word of God leads to prayer in life. (CCC 2653-54)
- Explain how Mary and the Saints desire to intercede for us and we ask for their prayers. (CCC 2673-79, 2682-83, 2692)

CAT.5.P. Understand and experience the Catholic Christian life of prayer (CCC 2697-2758)

- Compare and contrast the use of the Nicene and Apostle's Creeds.
- Connect Liturgical seasons with specific prayer practices. (e.g., Advent: Wreath, O Antiphons; Lent: Stations of the Cross, Prayer/Fasting/Almsgiving; All Saints/All Souls: Litanies) (CCC 1164)

CAT.5.Q. Understand the Lord's Prayer as a summary of the whole gospel and it's many uses within the Christian life. (CCC 2759-2865)

- Analyze the Lord's Prayer and separate the *seven petitions*. (CCC 2857-65)

Science Standards

Highlighted standards appear on report card

SCI.5.A: Scientists, Inventors and Inventions

- Identify a scientist and depict how their work and theories have changed the course of scientific knowledge

SCI.5.B: Current Events

- Summarize the current event, describe its significance in science, and identify the cause and effect
- **Explain the process of science is heavily influenced/dependent on what else is happening in society or history**

SCI.5.C: Science is ever changing

- Choose a topic, design and construct a time line of a change in scientific knowledge
- Choose a topic, compare and contrast the change in scientific knowledge over time
- Given a topic, develop a logical argument that science will continue to face in the future.

SCI.5.D: Scientific resources, tools and instruments

- **Identify specific tools are used in science and explain their specific purpose**
- Use tools to obtain data to problem solve and present information
- Explain how technology has helped people
- **Use multiple sources of information to investigate and present scientific knowledge**

SCI.5.E: Relationship between science and our faith

- Show our love for God through caring for plants, animals and our environment
- Participate in discussions that connect scientific knowledge in our faith
- Distinguish scientific fact from fiction

SCI.5.F: Problem Solving

- **Use the scientific method as one model to solve problems**
- Design and implement an experiment to solve a problem
- Analyze data to draw conclusions
- Participate in-group problem solving and implement strategies

SCI.5.G: Sharing Knowledge with others

- **Present scientific knowledge in a variety of forms and incorporate peer review**

SCI.5.H: Models, graphs and diagrams

- Construct models, graphs and diagrams that demonstrate knowledge
- Interpret data from graphs and diagrams
- Demonstrate that different models can be used to represent the same physical phenomena, concept, proposition or theory

SCI.5.I: Interconnectedness of Science

- Explain how a concept is integrated into different topics in science
- Demonstrate the interrelationships between science and technology

SCI.5.J: Careers

- Investigate careers in science and describe skills needed in these careers
- Connect careers in science with personal interest
- **Identify and investigate the skills people needed for a career in science or technology**
- Illustrate the impact that science and technology have had, both good and bad, on careers, systems, society, environment and quality of life
- Explain how current scientific and technological discoveries have an influence on the work people do and how some of these discoveries also lead to new careers

Grade Five: Physical Science: Mixtures and Solutions

SCI.4.K: Matter

- Describe the properties of matter
- Measure matter using a variety of tools

SCI.5.K: Matter

- **Observe, describe and classify diversity in matter**
- Explain the states of matter
- Explain how matter takes up space
- Demonstrate how mixtures can be formed and separated using the characteristics of both.
- Explain how elements may combine to form compounds

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- Explain the process of changing from one state of matter to another
 - **Identify elements, compounds and mixtures**
 - Identify the periodic table of elements as a tool to organize elements of matter.

SCI.5.M: How Matter and Energy Interact

- **Perform experiments and activities that demonstrate physical and chemical changes**

Grade Five: Earth Science: Sun, Moon, Planets

SCI.3.O: Astronomy

- Identify sun and moon and explain changes in patterns
- **Observe and identify changes in the solar system**
- Describe the sun's characteristics
- Describe similarities and differences of the Earth and moon
- Observe shadows and nature of eclipse
- Recognize that Earth is one of the several planets that orbit the Sun and that the Moon orbits Earth
- Recognize the position of the Sun in the sky changes during the course of the day and from season to season

SCI.4.O: Astronomy

- Describes eclipses and phase of the moon
- Identify the sun as the major source of energy for earth

SCI.5.O: Astronomy

- **Identifies objects in space and explain their relationship to each other.**
- Describe the motion of objects in the solar system
- Explain the moon's effect on the Earth
- Describe that predictable motions explain days, months, seasons and years
- Explain how the tilt of the earth's axis in relation to the sun causes seasons.

Grade Five: Life and Environmental Science: Environments

SCI.5.R: Ecology

- **Identify how various organisms depend on one another for survival**
- Explain how in any particular environment, some kinds of plants and animals survive well, some survive less well, and some cannot survive at all
- Identify the Earth's biomes

SCI.5.S: Environmental Science

- Describe ways to reuse, reduce and recycle and explain the impact they have on the environment.
- Explain that the amount of fresh water on Earth is limited and its availability can be extended by conservation
- Describe how human activities affect ecosystems
- **Describe how environments support a diversity of plants and animals that share limited natural resources.**

SCI.5.T: Diversity of Life

- Explain how extinction may occur
- **Investigate systems of classification of living things**
- Participate in classification activities
- Identify and compare parts that make up various living systems
- Explain that all organisms must be able to obtain and use resources, grow, reproduce and maintain stable internal conditions while living in a constantly changing external environment
- Explain that environments support a diversity of plants and animals that share limited natural resources
- Describe how life forms are affected by changes in the Earth and climate.

SCI.5.U: Genetics

- **Cite evidence of inherited characteristics**
- Explain the consequences of selective breeding

SCI.5.V: Human Body

- **Identify body systems and their main functions**

SCI.5.W: Plants and animals

- Describe how plant and animal cells break down sugar to obtain energy, a process resulting in carbon dioxide and water (respiration)
- Explain how plants use carbon dioxide and energy from sunlight to build molecules of sugar and release oxygen (photosynthesis)
- Explain how sugar, water and minerals are transported in a vascular plant

SCI.5.X: Ethics

- **Participate in discussions regarding the beneficial and harmful affects of scientific experiments and discoveries**
- Discuss the implications involved in genetic manipulation
- Evaluate the reliability of scientific evidence used in various media.

World Language

Highlighted standards appear on report card

WL.5.A - Students in Wisconsin will engage in conversations, provide and obtain information, express feelings and emotions, and exchange opinions in a language other than their own.

- WL.5.A.1 - Students will ask and answer questions, including biographical information
- WL.5.A.2 - Students will state personal preferences and feelings
- WL.5.A.3 - Students will ask for repetition and repeat to ensure understanding
- WL.5.A.4 - Students will ask for simplification and clarification.

WL.5.B - Students in Wisconsin will understand and interpret a language other than their own in its written and spoken form on a variety of topics.

- WL.5.B.1 - Students will understand spoken language that incorporates familiar vocabulary and structures
- WL.5.B.2 - Students will understand more complex written materials on a variety of topics and formats

WL.5.C - Students in Wisconsin will present information, concepts, and ideas to an audience of listeners or readers on a variety of topics in a language other than their own.

- WL.5.C.1 - Students will dramatize student-created and/or authentic songs, short poems, skits, or dialogues

WL.5.D - Students in Wisconsin will demonstrate an understanding of the relationship between the practices and perspectives of the cultures studied.

- WL.5.D.1 - Students will observe and imitate appropriate patterns of behavior (such as greetings or gestures) used with friends and family in the cultures studied
- WL.5.D.2 - Students will participate in and learn about age-appropriate cultural activities (such as games, songs, and holiday celebrations)
- WL.5.D.3 - Students will discuss and compare beliefs and attitudes within the cultures studied and their own in relation to home, school, community and nation

WL.5.E - Students in Wisconsin will demonstrate an understanding of the relationship between the products and perspectives of the cultures studied.

- WL.5.E.1 - Students will identify objects and symbols, such as flags or currency, that are used day-to-day and represent other cultures
- WL.5.E.2 - Students will identify countries, regions, and geographic features where the target language is spoken

Art Standards

All listed standards appear on the report card

5.1 Understands concepts and techniques

5.2 Applies basic elements and principles of art

5.3 Demonstrates individuality and creativity

5.4 Respects efforts and contributions of peers and working artists