BCCS K – 8 Grade Curriculum Overview

Al BCCS Curriculum is aligned with the State of Michigan Academic Standards.
The following are links to the State of Michigan Core Academic Standards

- MI English Language Arts Standards
- MI Mathematics Standards
- MI Science Standards
- MI Social Studies Standards
- MI Physical Education Standards
- MI Visual and Performing Arts Standards

The BCCS K-8 grade level curriculum and units of instruction are driven by textbooks and/or online curriculum. These are listed as the *Primary Resource* followed by an overview of the expectations in the core areas of academics for each grade level. Primary resources are available for review upon request to the school.

Kindergarten

Language Arts

Primary Resource: Reading Street, Pearson

Reading Foundations

Students will show understanding of print concepts, phonological awareness and demonstrate basic knowledge of one-to-one letter/sound correspondence.

Reading Comprehension

Students, with prompting and support, will be able to: identify the front cover, back cover, and title page of a book. Retell familiar stories and compare and contrast the adventures and experiences of characters in familiar stories. Recognize common types of texts and name the author and illustrator of a story and define the role of each.

Writing

Students will compose opinion, informative and narrative pieces of writing.

Mathematics

Primary Resource: Math Expressions, HMH
Students will:

- know number names
- count to 100 by ones and tens
- compare numbers
- add and subtract within ten
- represent and solve word problems involving addition and subtraction
- understand the ones and tens place value
- classify objects and count the number of objects in categories
- identify and describe shapes and analyze, compare, create, and compose shapes

Science

Primary Resource; Mystery Science
Students will be able to understand the basic concepts of:

- forces and interactions
- living vs non-living things
- animals, plants, and their environments
- weather and climate
- engineering design

Social Studies

Primary Resource: MAISA Units
Myself and Others
Students will gain understanding and increased awareness of themselves by using the framework of 'Myself and Others' to learn the basic disciplines of social studies: history (person events to explore concepts of time past, present and future), geography (concepts of space by using positional words and map and globe representations), civics/government (foundations of government, and the flag as a symbol), economics (connect family wants and how those wants are met), and public discourse/decision making/civic participation, (citizenship and the basic core values of democracy).

Physical Education/ Health

Primary Resources: Michigan Model and SPARK

Topics Include:

- Identify active-play opportunities outside physical education class. (S3.1.K) Recognizes that physical activity is important for good health. (S5.1.K)
- Areas of focus include spatial awareness, jumping and landing, throwing and catching, manipulative (cup stacking, hula hoop, jump rope, juggling), dribbling with hands, tumbling stunts, rhythm and dance, yard games, dribbling with feet and striking with implements.
- Social and Emotional Health, Nutrition and Exercise, Safety, Alcohol/Tobacco and Other Drugs, and Personal Health and Wellness

Music

Primary Resource: Share the Music , McGraw-Hill

Students will:

- Gain exposure to five composers each year from a variety of countries and musical eras, along with two or three songs per composer.
- Experience and identify high and low pitches, fast and slow tempi, loud and quiet dynamics, and the musical alphabet.
- Play various instruments as a group to learn pulse, awareness, and teamwork.
- Sing and perform together, to learn to hear pitches and demonstrate vocal variation.

Art

Primary Resource: NAEA Visual Art Standards (informed by Michigan Visual Art Standards)

Students are introduced to the Elements of Art and Principles of Design through a variety of projects. This includes:

- Practicing with basic skills in the art classroom (cutting with scissors safely, using glue sticks, and pencil grips).
- Discovering and recognizing patterns and primary/secondary colors.
- Using basic shapes to draw objects.
- Introduction to art vocabulary such as collage, craftsmanship, and portrait.

1st Grade

Language Arts

Primary Resource: Reading Street, Pearson

Reading Foundations

Students will use and demonstrate understanding of features of a sentence, phonological awareness, word recognition, and apply grade level phonics to decode words. Students will read with fluency, accuracy, and expression to develop comprehension.

Reading Comprehension

Students will be able to identify story elements, main idea, and compare and contrast various texts. They also will be able to produce a piece of writing using technology.

Writing

Students will compose opinion, informative and narrative pieces of writing. Students will develop and strengthen their writing as needed by planning, revising, and editing. Students will demonstrate proper use of grammar in writing.

Mathematics

Primary Resource: Math Expressions, HMH

Students will:

- count, write and order numbers to 120
- add and subtract within 20
- quickly and accurately add and subtract up to 10
- solve word problems involving addition and subtraction
- understand place value, base ten
- use place value understanding to add and subtract
- demonstrate knowledge of measurement and data with problems solving, time, and geometry

Science

Primary Resource: Mystery Science

Students will:

- learn basic properties and communication of light and sound
- observe sun,moon & stars to describe predictable patterns (location of daytime shadows, amount of daylight & seasons, and phases of the moon)

- use structure, function, and information processing to learn about plant and animal traits, external parts and behavior that help them meet their needs, grow and survive
- ask questions, make observations, and gather information to solve problems through engineering designs

Social Studies

Primary Resource: MAISA Units

Families and Schools

Students will use the context of 'Families and Schools' to explore history (family life today vs family life in the past and people and events celebrated in the US), geography (investigate ways people interact with their environments, use geographic representations, learn about different regions, and the effects of human interactions on the environment,) civics and government (purposes of government, democratic values, and civic participation), economics (needs and wants, good and services, and scarcity). Students will identify and analyze public issues.

Physical Education/Health

Primary Resources: Michigan Model and SPARK

Topics Include:

- Identify physical activity as a component of good health. (S5.1.1) Discusses the benefits of being active and exercising and/or playing. (S3.1.1)
- Areas of focus include spatial awareness, jumping and landing, throwing and catching, manipulative (cup stacking, hula hoop, jump rope, juggling), dribbling with hands, tumbling stunts, rhythm and dance, yard games, dribbling with feet and striking with implements.
- Social and Emotional Health, Nutrition and Exercise, Safety, Alcohol/Tobacco and Other Drugs, and Personal Health and Wellness

Music

Primary Resource: Share the Music , McGraw-Hill

Students will:

- Gain exposure to five composers each year from a variety of countries and musical eras, along with two or three songs per composer.
- Experience and identify high and low pitches, fast and slow tempi, loud and quiet dynamics, beat and rhythm, long and short sounds, various styles of music, and the musical alphabet.
- Play various instruments as a group to learn pulse, awareness, and teamwork.
- Sing and perform together, to learn to hear pitches (so mi la) and demonstrate vocal variation.

Art

Primary Resource: NAEA Visual Art Standards (informed by Michigan Visual Art Standards)
Students are continuing to explore the Elements of Art and Principles of Design through a variety of projects. This includes:

- Applying the following skills in the art classroom: cutting with scissors safely, using glue sticks, and pencil grip technique.
- Introduction to paintbrush care and use.
- Continued exploration on patterns and primary/secondary colors.
- Explore drawing from reference images and materials.
- Introduction to art vocabulary such as geometric/organic shape and landscape.

2nd Grade

Language Arts

Primary Resource: Reading Street, Pearson

Reading Foundations

Students will show understanding of the application of phonics principle, phonemic awareness, word recognition -and vocabulary study. Students will read with fluency, accuracy, appropriate rate, and expression.

Reading Comprehension

Students will be able to identify story elements, main idea, and compare and contrast various texts. Students will also determine the meaning of words, literal and non literal. They also will be able to produce a piece of writing using technology.

Writing

Students will compose opinion, informative and narrative pieces of writing. Students will develop and strengthen their writing as needed by planning, revising, and editing. Students will demonstrate proper use of grammar in writing.

Mathematics

Primary Resource: Math Expressions, HMH

Students will:

- count, write and order whole numbers to 1,000
- add and subtract within 1,000 to include regrouping and ungrouping
- place value, base ten notation, and representation of numbers in various forms
- solve one two step addition and subtraction word problems
- quickly and accurately add and subtract up to 20 and know single digit sums by memory
- demonstrate knowledge of measurement with problem solving, time, money, geometry, data and probability

Science

Primary Resource; Mystery Science

Students will :

- observe and compare the diversity of life in different habitats
- investigate plant needs: water, sunlight and seed dispersal/pollination

- represent shapes and kinds of land and water on the earth's surface in an area
- use information to identify the cause and effect earth systems/events have on the earth's surface/landforms (i.e. erosion from flooding)
- will apply the inquiry process and explore properties of matter
- investigate and classify materials by observable properties and selection of material types with intended purposes
- Students will also solve problems through engineering designs.

Social Studies

Primary Resource: MAISA Units

The Local Community

Students will use the lens of the 'Local Community' to explore history (living and working together in communities), geography (world in spatial terms, places and regions, human systems, environment and society), civics and government (values, principles, structure, functions, roles of citizens; and the basic foundations of the market economy), public issues/discourse (examining and making decisions about local public community issues).

Physical Education/Health

Primary Resources: Michigan Model and SPARK

Topics Include:

- Describe large-motor and/or manipulative physical activities for participation outside physical education class (e.g. before and after school, at home, at the park, with friends, with the family). (S3.1.2) Recognizes the value of "good health balance." (S5.1.2)
- Areas of focus include spatial awareness, jumping and landing, throwing and catching, manipulative (cup stacking, hula hoop, jump rope, juggling), dribbling with hands, tumbling stunts, rhythm and dance, yard games, dribbling with feet and striking with implements.
- Social and Emotional Health, Nutrition and Exercise, Safety, Alcohol/Tobacco and Other Drugs, and Personal Health and Wellness

Music

Primary Resource: Share the Music, McGraw-Hill

Students will:

- Gain exposure to five composers each year from a variety of countries and musical eras, along with two or three songs per composer.
- Experience and identify expressive qualities (dynamics, tempo, style, texture), rhythmic concepts (rhythm including eighth and quarter notes, beat, meter), and design concepts (form and structure).

- Play various instruments as a group to learn note names, pulse, awareness, and teamwork.
- Sing and perform together to learn to hear, sing, and sign pitches (do re mi so la) and demonstrate vocal variation.

Art

Primary Resource: NAEA Visual Art Standards (informed by Michigan Visual Art Standards)
Students are continuing to explore the Elements of Art and Principles of Design through a variety of projects. This includes:

- Applying the following skills in the art classroom: cutting with scissors safely, using glue sticks, and pencil grip technique.
- Continued paintbrush care and use.
- Continued exploration of reference images and materials.
- Developing knowledge of pattern sequence and symmetry.
- Introduction to art vocabulary such as warm/cool colors, and positive and negative space.

3rd Grade

Language Arts

Primary Resource: Reading Street, Pearson

Reading Foundations

Students will show understanding of the application of phonics principle, phonemic awareness, word recognition and vocabulary study. Students will read with fluency, accuracy, appropriate rate, and expression.

Reading Comprehension

Students will be able to identify story elements, main ideas and supporting details of different types of texts. Students will also determine the meaning of words, literal and non literal.

Writing

Students will compose opinion, informative and narrative pieces of writing. Students will develop and strengthen their writing as needed by planning, revising, and editing. Students will demonstrate proper use of grammar in writing. They also will be able to produce a piece of writing using technology.

Mathematics

Primary Resource: Math Expressions, HMH

Students will:

- be able to add and subtract up to three digit numbers
- quickly and accurately multiply and divide numbers up to 10x10 including know multiplication tables by memory
- use multiplication and division within 100 (with remainders)
- analyze and use addition, subtraction, multiplication and division to solve word problems
- strengthen their understanding of place value by rounding to the nearest ten and hundred
- identify and compare geometric shapes
- determine perimeter and area
- identify and compare values of fractions
- measure and estimate liquid volumes and masses of objects using standard units
- tell time to the nearest minute and measure time intervals in minutes

Science

Primary Resource: Science Dimensions, HMH

Students will:

- research and learn about animal and plant life cycles and inherited traits
- recognize how environments affect traits, understand adaptations of organisms and how organisms can succeed in environments
- understand force, and conduct experiments with different types of forces and identify patterns of motion
- investigate basic properties and types of fossils to interpret the types of organisms and environment in which they lived
- engage in activities about weather to understand how weather is measured, patterns and how predictions are made, and relationship to climate

Social Studies

Primary Resource: MAISA Units

Students learn social studies disciplinary content through the context of an introduction to 'Michigan Studies' including the study of Michigan history from American Indians to statehood; the physical and cultural characteristics, geographic regions; purpose and function of state government; Michigan's economic activity with ties to national and global markets; identify rights & responsibilities as citizens, and public policy issues in Michigan. Students will also identify Michigan's state symbols, landforms, lakes, and give examples of Michigan's human and natural resources.

Physical Education/Health

Primary Resources: Michigan Model and SPARK

Topics Include:

- Discuss the relationship between physical activity and good health. (S5.1.3) Identifies physical activity benefits as a way to become healthier. (S3.1.3b)
- Areas of focus include spatial awareness, jumping and landing, throwing and catching, manipulative (cup stacking, hula hoop, jump rope, juggling), dribbling with hands, tumbling stunts, rhythm and dance, yard games, dribbling with feet and striking with implements.
- Social and Emotional Health, Nutrition and Exercise, Safety, Alcohol/Tobacco and Other Drugs, and Personal Health and Wellness

Music

Primary Resource: Share the Music , McGraw-Hill

Students will:

- Gain exposure to five composers each year from a variety of countries and musical eras, along with two or three songs per composer.
- Experience and identify expressive qualities (dynamics, tempo, style, texture), rhythmic concepts (rhythm including quarter and eighth notes, steady beat, duple and triple meter), and design concepts (form and structure).
- Play various instruments as a group (including harmonica, guitar, or other) to learn note names on a staff, keep a steady pulse, create variations and improvisational segments, increase self-awareness, and cultivate teamwork.
- Sing and perform together in one and two parts to learn to hear, sing, and sign pitches (do re mi fa so la ti) and also hear and create harmony.

Art

Primary Resource: NAEA Visual Art Standards (informed by Michigan Visual Art Standards)

Students are continuing to explore the Elements of Art and Principles of Design through a variety of projects. This includes:

- Applying continued paintbrush care and use.
- Looking at artists from the past to understand various techniques (Art History).
- Introduction to facial proportions and figure drawing.
- Continued exploration of reference images and materials.
- Developing knowledge of using contrast and asymmetry in artworks.
- Introduction to art vocabulary such as tint, shade,and tertiary colors.

4th Grade

Language Arts

Primary Resource: Reading Street, Pearson

- Reading instruction is comprehensive, covering fluency, comprehension, and higher-level thinking skills like recognizing plot, setting, characterization, and analyzing text for theme and author's purpose.
- Writing instruction encompasses various elements, including editing, organizing thoughts, pre-writing, and understanding the structure of pieces with introductory statements, body paragraphs, and concluding statements. Spelling and parts of speech are emphasized, contributing to overall writing proficiency.Students engage in diverse writing activities, crafting three to five-paragraph pieces across genres like personal narrative, informational text, opinion, and narrative.
- The vocabulary component involves studying prefixes, suffixes, Greek and Latin root words, and acquiring new grade-level vocabulary.
- Speaking and listening activities focus on collaborative discussions, adherence to classroom rules, oral paraphrasing, and developing presentation skills using audio recordings and visual displays. This holistic approach cultivates well-rounded language skills in students.

Mathematics

Primary Resource: Math Expressions, HMH

- Place value and multidigit addition and subtraction
    - Place value to a million
    - Addition with greater numbers
    - Subtraction with greater numbers
    - adding and subtracting whole numbers quickly and accurately (up to a million)
- Multiplication
    - Multiplication with tens, hundreds, and thousands
    - Multiply two digit numbers
- Division
    - With Whole numbers
    - Division word problems
- Equations and Word problems
    - Reasoning and problem solving
    - Comparison word problems
    - Problems with more than one step

    - Number patterns
- Measurement
    - Converting metric measurements
    - Perimeter and area
- Fractions and Decimals
    - Fractions with like denominators
    - Mixed numbers with like denominators
    - Multiplying fractions and whole numbers
    - Comparing fractions
    - Equivalent fractions
    - Understanding decimals
- Geometry
    - Measuring and drawing angles
    - Triangle and angle measurements
    - Analyzing quadrilaterals
    - Analyzing polygons

Science

Primary Resource: Science Dimensions, HMH

Engineering and Technology

- Students will explore how engineers define problems and solutions. They will learn about the importance of prototypes and use models to examine how prototypes are tested and improved.

Energy

- Students will discover what energy is and how it is transferred. They will explore how collisions show energy

Waves and information transfer

- Students will discover the different parts of waves, explore how light can be reflected, and examine and describe how information is transferred from place to place

Plant structure and Function

- Students will explore the functions of internal and external plant structures and how they aid in growth, survival, behavior, and reproduction.
- Students will also learn how different plant structures work together as a system

Animal structure and function

- Students will explore the internal and external structures of animals and learn about how different senses work.

Changes to Earth's Surface

- Students will explore how Earth has been shaped by water and other factors and discover how people map Earth's surface. They will also learn about the patterns we can see from maps.

Rocks and Fossils

Students will explore the different layers of rocks and how they change, discover what we can learn about fossils and ancient environments, and identify patterns in fossils.

Natural Resources and Hazards

- Students will explore how renewable and nonrenewable resources are used for energy.
- Students will discover how people can reduce land and water-based hazards and their impact.

Social Studies

Primary Resource: MAISA Units

US Studies

History

- Using a historical lens, they explore democratic values and examine primary and secondary sources to learn about the struggles and successes of Freedom Seekers, the beginnings of the automobile industry and the labor movement in Michigan, and the role of water in the state. As they learn about Michigan after having achieved statehood, they consider major historical events and their relationship to one another.

Geography

- Using a geographic lens, students examine the movement of people, products, and ideas across the country and state, and investigate the role of geography in shaping its foundational principles and how geography still affects the United States and Michigan today. They explore human-environment interactions and their consequences, both historically and today.

Civics and Government

- Individually and collaboratively, students will engage in planned inquiries to investigate the structure and functions of Michigan's government, and rights and responsibilities of citizenship.
- Introduction to the US Constitution, its relationship between branches of government and separation of powers.
- Explain important rights and how, when, and where members of American society demonstrate their responsibilities by actively participating in civic life

Economics

- Using an economic lens, students explore the importance of the automobile industry for both the country and for Michigan and the struggle over ownership of natural resources related to Michigan's immense fresh water supply. By studying economic ties between Michigan and other places, students discover how their state is an interdependent part of both the national and global economies.

Political Science

- Using a political science lens, students study the purposes, structure, and functions of national, state, and tribal governments. They explore the relationship between rights and

responsibilities of citizens, and they apply what they have learned in an authentic public discourse project related to water in Michigan, culminating in taking informed action.

Physical Education/Health

Primary Resources: Michigan Model and SPARK
Topics Include:

- Analyze opportunities for participating in physical activity outside physical education class. (S3.1.4) Examines the health benefits of participating in physical activity. (S5.1.4)
- Areas of focus include spatial awareness, jumping and landing, throwing and catching, manipulative (cup stacking, hula hoop, jump rope, juggling), dribbling with hands, tumbling stunts, rhythm and dance, yard games, dribbling with feet and striking with implements.
- Social and Emotional Health, Nutrition and Exercise, Safety, Alcohol/Tobacco and Other Drugs, Personal Health and Wellness, and HIV Prevention

Music

Primary Resource: Share the Music , McGraw-Hill
Students Will:

- Gain exposure to four or five composers each year from a variety of countries and musical eras, along with two or three songs per composer.
- Experience and identify expressive qualities (dynamics, tempo, style, texture), rhythmic concepts (rhythm including quarter, eighth, and sixteenth notes, beat, duple and triple meter), and design concepts (form and structure).
- Play various instruments as a group (including buckets and recorder) to keep a steady pulse, learn note names on a staff, create variations and new compositions individually and as a class, increase self-awareness, and cultivate teamwork.
- Sing and perform together in one, two, or three parts to learn to hear and sing pitches (do re mi fa so la ti) and also hear and create harmony.

Art

Primary Resource: NAEA Visual Art Standards (informed by Michigan Visual Art Standards)
Students are continuing to explore the Elements of Art and Principles of Design through a variety of projects. This includes:

- Applying continued paintbrush care and use.
- Continued practice on facial proportions and figure drawing.
- Continued exploration of reference images and materials.
- Developing knowledge of using contrast, emphasis, and color schemes in artwork.
- Introduction to art vocabulary such as monochromatic, radial symmetry, and much more.

5th Grade

Language Arts

Primary Resource: Reading Street, Pearson

- Students will work on reading skills such as summarizing various types of writing, thinking critically about evidence in arguments, and using different sources to answer questions. They also learn about the structure of stories, understanding how chapters or scenes contribute to the overall composition. Students explore how a narrator's perspective affects how events are described and analyze how visuals enhance the meaning of a text. They compare and contrast stories in the same genre, considering different themes.
- In writing students focus on expressing opinions through well-reasoned arguments, supporting their views with facts and examples logically arranged. They also explore the art of storytelling, whether real or imaginary, by developing plots with dialogue, description, and effective pacing. Additionally, students learn to craft informative essays with clear introductions, general observations, and logically organized information. They employ formatting, illustrations, and multimedia for clarity, and develop topics using facts, definitions, details, quotations, or examples while connecting ideas within and across categories.
- Students learn important academic words and focus on using correct grammar, punctuation, and spelling in writing and speaking. They practice using commas and formatting titles correctly. To understand unfamiliar words, they rely on context clues, prefixes, suffixes, and reference materials. Additionally, they demonstrate language skills by figuring out the meanings of words and phrases, including figurative language like metaphors and similes.

- In discussions, students actively contribute by sharing accurate information, expanding on others' ideas, and presenting topics or opinions clearly with a logical order, sufficient facts, and formal language when needed.

Mathematics

Primary Resource: Math Expressions, HMH
Topics Include:

- Addition and Subtraction with Fractions
    - Equivalent fractions
    - Addition and subtraction of fractions
- Addition and Subtraction with Decimals
    - Read and write whole numbers and decimals
    - Addition and subtraction
    - Round and estimate with decimals
- Multiplication and Division with Fractions
    - Multiplication with fractions
    - Multiplication links
    - Division with fractions
- Multiplication and Division with Whole Numbers and Decimals
    - Multiplication with whole numbers
    - Multiplication with decimal numbers
    - Division with whole numbers
    - Division with decimal numbers
    - Quickly and accurately multiply and divide whole numbers
- Operations with Word Problems
    - Equations and problem solving
    - Comparison word problems
    - Problems with more than one step
- Algebra, Patterns, and Coordinate Graphs
    - Algebraic reasoning expressions
    - Patterns and graphs
- Measurement and geometry
    - Length, area, and volume
    - Liquid volume, mass, weight
    - Classify geometric figures

Science

Primary Resource: Science Dimensions, HMH

Engineering Design

- Students will describe how science and math are used in engineering, use the engineering design process to find a good solution to a problem, and understand how and why technology changes over time.

Structure and Properties of Matter

- Students will identify and measure matter, describe and recognize properties of matter and how those properties are affected by different factors, and identify different changes that can happen to matter.

Matter and Energy in Organisms and Ecosystems

- Students will be able to explain that plants get the materials they need to grow mostly from air and water, explain how organisms use matter and energy obtained from their environments, and understand how organisms interact.
- Students will be able to model how energy and matter move through an ecosystem and understand how organisms, including newly introduced species, affect ecosystems.

Earth's Systems

- Students will identify and describe each of Earth's systems and the cycles that occur within them, describe how Earth's systems interact, and understand how the ocean affects Earth's systems.

Systems in Space

- Students will discuss how gravity affects all matter on Earth, describe patterns caused by interactions between Earth, the sun, and the stars, describe monthly and seasonal patterns of the sun, the moon, and the stars, and describe why the sun appears so large and bright.

Social Studies

Primary Resource: MAISA Units

Early US History

Beginnings to 1620

- Students start by studying Indigenous nations in the Americas, West African civilizations, and European life before 1500, exploring what made each unique. They then investigate interactions when these regions are connected, considering multiple perspectives.

Colonization and Settlement (1585-1763)

- Students learn about the thirteen American colonies, examining influences on their development, including geographic, economic, political factors, and white supremacy. They analyze the Middle Passage's impact on the colonies and West Africa as part of the Triangular Trade.
- Moving forward, students study events leading to the American Revolution, starting with the French and Indian War.

Revolution and the New Nation (1754-1800)

- Emphasizing British and colonial interactions, they learn cause and effect, evaluate how history portrays the Revolution, and analyze the influence of the Second Continental Congress and the Declaration of Independence.
- The course concludes with a preview of eighth-grade topics, exploring the Articles of Confederation's successes and failures. Students consider challenges faced by the Constitutional Convention, study the Constitution's creation, and explore its impact on power balance and human rights. They also examine the Bill of Rights and its ongoing role in the nation, concluding by exploring a public issue related to the U.S. Constitution.

Subjects listed below are also taught (following the Michigan state standards):

Physical Education/Health

Primary Resources: Michigan Model and SPARK
Topics Include:

- Chart and analyze physical activity outside physical education class for fitness benefits of activities. (S3.1.5) Compares the health benefits of participating in selected physical activities. (S5.1.5)
- Areas of focus include spatial awareness, jumping and landing, throwing and catching, manipulative (cup stacking, hula hoop, jump rope, juggling), dribbling with hands, tumbling stunts, rhythm and dance, yard games, dribbling with feet and striking with implements.
- Social and Emotional Health, Nutrition and Exercise, Safety, Alcohol/Tobacco and Other Drugs, Personal Health and Wellness, and Puberty/HIV Prevention

Music/Band

Primary Resources:
Standard of Excellence, Kjos Music / Essential Elements for Band, Hal Leonard (Book 1)
The move to applied music from general music requires students to demonstrate the knowledge they have gained from previous years in music class. Band provides students with the opportunity to make music on their own, to play with their peers, and to perform in beautiful spaces.

- Musical Learning: Rhythms, Notes, History and Geographical regions of the music studied, Theory, and new Vocabulary
- Life-Skills Learning: Coordination, reading skills, teamwork, observation, evaluation skills, determination, self-control, and responsibility

The Grade Level Music Performance Standards in the State of Michigan Visual , Performing and Applied Arts Standards
1: Apply skills and knowledge to perform in the arts

2: Apply skills and knowledge to create in the arts
3: Analyze, describe, and evaluate works of art
4: Understand,analyze,and describe the arts in their historical,social,and cultural contexts
5. Recognize, analyze, and describe connections among the arts; between the arts and other disciplines; between the arts and everyday life.

Art

Primary Resource: NAEA Visual Art Standards (informed by Michigan Visual Art Standards)
Students will demonstrate their understanding of the Elements of Art and Principles of Design through various projects. This includes:

- Beginning to explore various brush styles and edges.
- Continued practice on figuring drawing, including facial and body proportions.
- Introduction to still life by observational drawing.
- Continued exploration of reference images and materials.
- Deepening an understanding of basic compositional tools for an artwork.
- Application of art vocabulary to understand concepts of color theory and perspective

6th Grade

Language Arts

Primary Resource: MAISA Units

- Provide students with preliminary insights into how authors build literary texts, enabling them to construct their own engaging stories.
- Explore reading and writing narrative texts to establish habits to sustain students throughout the year.
- Employ various informational text structures and features to effectively convey their understanding of a science or health-related research topic.
- Students examine their roles as readers/observers to inspire their own writing, exploring characters' internal and external journeys.
- Explore a local ecological issue and create a persuasive letter, supported by clear reasoning, to a relevant individual.
- Employ proper usage of pronouns, punctuation, and spelling. Examine variations from standard English to improve expression.

Mathematics

Primary Resource: EnVision Mathematics, SAVVAS

Topics Include:

- Use Positive Rational Numbers
    - Students will learn how to add, subtract, multiply, and divide whole numbers, fractions, and decimals.
- Integer and Rational Numbers
    - Students will learn the difference between rational and irrational numbers as well as how to plot, read, and measure the distance of coordinates on a coordinate plane.
- Numeric and Algebraic Expressions
    - Students will learn about exponents, reinforce their understanding of P.E.M.D.A.S (Order of Operations), and be introduced to introductory terms of pre-algebra.
- Represent and Solve Equations and Inequalities
    - Students will learn how to properly balance and solve basic algebraic expressions. This involves understanding the basics of what a variable is, how to solve it, and basic properties of equations (distributive, commutative, and associative) to help simplify expressions.
- Understand and Use Ratio and Rate

    - Students will generate, use, and solve problems involving ratios and rates of change.
- Understand and Use Percent
    - Students will learn the basic understanding of percentages and how to convert between a percentage and a decimal.
- Solve Area, Surface Area, and Volume Problems
    - Students will learn to find the area, surface area, and volume of simple polygons.
- Display, Describe, and Summarize Data
    - Students will learn the basics of data acquisition like mean, median, mode, range, and standard deviation to interpret data and solve problems related to graphs.

Science

Primary Resource: Glencoe Integrated Science I
Topics Include:

- Understanding Science: Branches of Science, Scientific Inquiry, Scientific Measurement and Tools
- Earth and Space: Earth in Space, Sun ,Earth and Moon System and the Solar System; Earth's Dynamic Surface, Natural Resources and Earth's Systems and Interactions
- Life Science: Classification and Structure of Living Things; Inheritance of Traits and Adaptations of Species; Plant Diversity and Reproduction; Interactions, Relationships, Matter and Energy in Ecosystems
- Physical Science: Properties of Matter, Substances and Mixtures and Structure of Atoms: Energy Transformations, Forms of Energy and Light and Sound Waves; Forces , Charges, Circuits of Electricity and Magnetism

History/ Social Studies

Primary Resource: MAISA Units
Human and Physical Geography of the World
Topics include:

- Spatial perspective and representations of the Earth
- Tools and Technologies used by geographers
- Patterns in natural and human characteristics
- Culture, cultural diffusion, and how culture influences people globally
- Globalization's impact on economic, political institutions, and societies worldwide
- Analysis of global issues arising from human activities, including population change, migration, urbanization, and resource use, with a focus on responses from various organizations

Physical Education/Health

Primary Resources: Michigan Model and SPARK

Topics Include:

- Describe how being physically active leads to a healthy body. (S3.1.6) Describes how being physically active leads to a healthy body. (S5.1.6)
- Areas of focus include team sports, net/racquet games, and lifestyle/individual sports
- Social and Emotional Health, Nutrition and Exercise, Safety, Alcohol/Tobacco and Other Drugs, Personal Health and Wellness, and HIV Education/Puberty

Music/Band

Primary Resources: Essential Elements for Band, Hal Leonard (Book 2)

Continued development of applied music requires students to demonstrate the knowledge they have gained from previous years in music and band classes. 6th Grade Band provides students with the opportunity to make music on their own, to play with their peers, and to perform in a variety of spaces.

- Musical Learning: Rhythms, Notes, History and Geographical regions of the music studied, Theory, and new Vocabulary
- Life-Skills Learning: Coordination, reading skills, teamwork, observation, evaluation skills, determination, self-control, and responsibility

The Grade Level Music Performance Standards in the State of Michigan Visual , Performing and Applied Arts Standards

- Apply skills and knowledge to perform in the arts
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7th Grade

Language Arts

Primary Resource: MAISA Units

- Analyze how text elements interact, laying the foundation for narrative reading, habits, and structure.
- Analyze how text elements interact and explore the reasoning behind author choices.
- Engage in reading, writing, and discussions on self-selected historical topics, choosing, inquiring, and presenting information in various formats.
- Collaborate in book clubs, exploring how stories illuminate historical time and place.
- Engage with writing arguments that are presented in both spoken and written forms.
- Employ proper usage of phrases, clauses, punctuation, and spelling.

Mathematics

Primary Resource: EnVision Mathematics, SAVVAS

Topics Include:

- Rational Number Operations
    - Students will learn how to find and manipulate rational numbers on number lines. This includes understanding how subtracting a negative number will add to the given amount and in turn gain value.
- Analyze and Use Proportional Relationships
    - Students will further their understanding of ratios and how to find, interpret, and use ratios in real-world situations like speed or usability.
- Analyze and Solve Percent Problems
    - Students will learn about the percent equation ($part = \% \times whole$) and how it can be used in a variety of scenarios like interest, discounts, tipping, and percent error.
- Generate Equivalent Expressions
    - Students will further their understanding of equivalent expressions and how to solve for an unknown number. This involves revisiting properties like the distributive, associative, and commutative properties, and how to simplify expressions.
- Solve Problems Using Equations and Inequalities
    - Students will apply their knowledge of inequalities to generate and solve multi-step equations in dynamic scenarios.
- Use Sampling to Draw Inferences About Populations
    - Students will gather, interpret, and use data populations to solve or analyze situations and compare them to other data groups.

- Probabilities
    - Students will learn and interpret theoretical probabilities and use their understanding to determine probable outcomes for dynamic situations.
- Solve Problems Using Geometry
    - Students will accurately draw and analyze basic geometric shapes and understand their qualities.

Science

Primary Resource: Elevate Integrated Science Course 2, SAVVAS

Topics Include:

- The Cell System
    - Students will learn about cell theory and the differences between plant and animal cells.
- Human Body Systems
    - Students will learn about the different organs and body systems that make up the human body.
- Reproduction and Growth
    - Students will learn about the different reproductive behaviors that plants and animals utilize and how organisms grow.
- Ecosystems
    - Students will learn about the different energy and resource cycles that make a healthy ecosystem.
- Populations, Communities, and Ecosystems
    - Students will dive deeper into understanding ecosystems and how biodiversity is important for a healthy and sustained system.
- Distribution of Natural Resources
    - Students will learn about different natural resources that humans utilize in our everyday life.
- Human Impacts on the Environment
    - Students will learn about the possible impact the overuse and processing of natural resources can have on our environment.
- Waves and Electromagnetic Radiation
    - Students will learn about different types of waves, including micro, electromagnetic, sound, and light.
- Electricity and Magnetism
    - Students will learn about the different properties of magnets and electricity.
- Information Technology
    - Students will learn about the makeup of electronic devices and how we use them in our technological age.

History/Social Studies

Primary Resource: MAISA Units
Early World History
Topics Include:

- Early world history and geography with an emphasis on content literacy
- Historical and geographic thinking, emphasizing the distinct approaches of these disciplines
- The "invisible" tools historians use, such as significance, social institutions, temporal frames, and spatial scales
- Human history from the beginning to around 1500, examining major changes chronologically
- Early human migration, settlement patterns, and the impact of farming on emerging cultures
- Examination of the rise and fall of empires, trade networks, and the diffusion of people, resources, and ideas in Era 4 (300 CE – 1500 CE)
- Analysis of world religions, the development of empires in the Americas, and the meeting of the "Three Worlds," leading to a broader understanding of global patterns of continuity and change over time

Tech Ed/Career Development

Primary Source: REMC 21 Things 4 Students
Topics Include:

- Web Browsers, Shortcuts, and Screen Capture techniques
- Online Safety and Security, including managing your digital footprint and protecting your identity
- Google Drive Tools for collaborative work and document management
- Ethical considerations: Copyright Laws, Plagiarism, and addressing online bullying
- Technical Skills: Troubleshooting Tech Problems, Web Site Evaluation, distinguishing between Fake and Real News, and basic use of Photoshop
- Career Awareness and Development Exporation
- Career Awareness Presentations, Guest Speakers and Field Experiences
- EDP (Educational Development Plan) Development

Physical Education/Health

Primary Resources: Michigan Model and SPARK
Topics Include:

- Identify barriers related to maintaining a physically active lifestyle and seeks solutions for eliminating those barriers. (S3.1.7) Identifies different types of physical activities and describes how each exerts a positive impact on health. (S5.1.7)
- Areas of focus include team sports, net/racquet games, and lifestyle/individual sports.
- Social and Emotional Health, Nutrition and Exercise, and Safety

Music/Band

Primary Resources: Sound Innovations to Ensemble Development (Intermediate), Alfred Publishing

Continuation of building knowledge and development of skills for learning instruments, elements of music, and practicing and performing a variety of pieces in varied ensembles.

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8th Grade

Language Arts

Primary Source: MAISA Units

- Create and sustain a reader/writer's workshop routines that will sustain student reading goals throughout the year.
- Explore and examine a variety of informational mentor texts, combining project-based learning and digital media analysis to discuss sustainability.
- Examine cultural differences through both informational and literary reading.
- Write argumentative essays and contribute to a group presentation for members of the community.
- Employ proper usage of various verb forms, punctuation, and spelling.

Mathematics

Primary Resource: EnVision Mathematics, SAVVAS

Topics Include:

- Real Numbers
    - Students will be reintroduced to irrational numbers, learn how to estimate them, learn about square and cubed roots, and how to use powers of 10 (scientific notation) to simplify large/small numbers.
- Analyze and Solve Linear Equations
    - Students will determine the slope from a given line, be able to find y-intercepts, and use their knowledge of the coordinate system to create equations in slope-intercept form.
- Use Functions to Model Relationships
    - Students will determine if a given data set represents a function, discover if a given function is linear, and understand how many/what kind of intervals a function may have.
- Investigate Bivariate Data
    - Students will analyze and use data models to demonstrate their understanding of a given situation, and given models to compare and contrast with other models.
- Analyze and Solve Systems of Linear Equations
    - Students will estimate, solve, and analyze systems of equations through several different methods.
- Congruence and Similarity
    - Students will manipulate polygonal shapes using different transition methods and understand the effect of each method on the given shape.
- Understand and Apply the Pythagorean Theorem

    - Students will learn and use the Pythagorean theorem to solve a variety of geometric problems.
- Solve Problems Involving Surface Area and Volume
    - Students will use their knowledge of geometric shapes to solve for surface area and volume of 3-dimensional polygonal shapes.

Science

Primary Source: Elevate Integrated Science Course 2, SAVVAS

Topics Include:

- Atoms and the Periodic Table
    - Students will learn about the history and growth of understanding of atomic research. Students will be able to understand the basic components of atoms and how we classify elements.
- Chemical Reactions
    - Students will learn how chemical reactions occur and what can be expected of one. This includes possible results and side products.
- Forces and Motion
    - Students will learn about Newton and his laws of motion, and the mathematical principles behind each one.
- Genes and Heredity
    - Students will revisit traits and learn the history behind scientists' understanding of genes and alleles.
- Natural Selection and Change Over Time
    - Students will learn about Charles Darwin’s Theory of Evolution and why scientists currently support it as a basis of bio and genetic diversity. Students will also learn about ancient animals and how their fossils were created.
- History of Earth
    - Students will learn about Earth’s geographic age and how its formation came to be.
- Energy in the Atmosphere and Ocean
    - Students will learn about Earth’s atmosphere and how it affects the ocean’s currents and climate of the planet.
- Climate
    - Students will learn about the different climate types on Earth and how humans impact the planet and lead to severe changes in the Earth’s atmosphere and climates.
- Earth-Sun-Moon System
    - Students will learn about how the Earth, Sun, and Moon interact with each other and how our solar system operates.
- Solar System and the Universe

- Students will learn about the structure and circulation of our solar system, and the stars beyond.

History/Social Studies

Primary Source: MAISA Units
Integrated World History
Topics Include:

- American history from the Revolutionary Era through the last half of the 19th century
- Values and ideals of the constitutional republic, examining both successes and shortcomings
- Preamble to the U.S. Constitution as a touchstone for assessing the nation's adherence to principles
- iInalienable rights, limited government, social compact, rule of law, equality, and the right of revolution
- United States Constitution and the evolution of government during its first century
- Challenges faced by the new nation and the role of political and social leaders
- Westward trails from various perspectives, considering the impact on settlers, Indigenous Peoples, and marginalized groups
- 19th-century growth and the impact of the North-South divide on national unity
- Civil War Era, including events leading to the war, the war itself, Reconstruction, and a comparison of the United States in 1800 and 1898

Tech Ed/Career Development

Primary Source: REMC 21 Things 4 Students
Topics Include:

- Utilizing tools like Google Slide and Google Sheets for collaborative work.
- Effective communication in a digital environment and creating a digital portfolio
- Analyzing data, understanding social networks, and addressing issues like truth in advertising, scams, and smart online shopping
- Collaborating with other cultures, speaking out about global issues, and exploring global interaction
- Introduction to computational thinking and practical aspects such as career searching
- Career Awareness and Development Exporation
- Career Awareness Presentations, Guest Speakers and Field Experiences
- EDP (Educational Development Plan) Development
- College Board Account Awareness and Set-up

Physical Education/Health

Primary Resources: Michigan Model and SPARK

- Identifies the 5 components of health-related fitness (muscular strength, muscular endurance, flexibility, cardiorespiratory endurance, body composition) and explains the connections between fitness and overall physical and mental health. (S3.1.8)
- Areas of focus include team sports, net/racquet games, and lifestyle/individual sports
- Alcohol/Tobacco and Other Drugs, Personal Health and Wellness, and HIV Education/Puberty

Music/Band

Primary Resources:

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