

Stark County #100
Essential Skills Curriculum
Map

K -12 PE Goals & Essential Skills

The Stark County District 100 K-12 Physical Education goal is to have students graduate Stark County school district with the ability to stay active in their lifestyle. When the students graduate and make their way through life they will have knowledge and experiences that allow them to stay active and healthy. We believe that the first thing that stops for graduates is their fitness and activity levels.

Essential Skills for Stark County K - 12 Physical Education

1. Acquire movement and motor skills and understand concepts necessary to engage in moderate to vigorous physical activity.
2. Achieve and maintain a health-enhancing level of physical fitness based upon continual self-assessment.
3. Develop skills necessary to become a successful member of a team or work force as a team by working with others during physical activity.
4. Understand principles of health promotion and the prevention and treatment of illness and injury.
5. Understand human body systems and factors that influence growth and development.
6. Promote and enhance health and well-being through the use of effective communication and decision making skills.

Pre-K

<p>Pre-K Quarter 1</p>	<p><u>Social Emotional</u></p> <ul style="list-style-type: none"> ● GOAL 30 Develop self-management skills to achieve school and life success and develop positive relationships with others. ● LEARNING STANDARD 30.A Identify and manage one’s emotions and behavior. Preschool Benchmarks ● 30.A.ECa Recognize and label basic emotions. 30.A.ECb Use appropriate communication skills when expressing needs, wants, and feelings. 30.A.ECc Express feelings that are appropriate to the situation. ● 30.A.ECd Begin to understand and follow rules. 30.A.ECe Use materials with purpose, safety, and respect. ● 30.A.ECf Begin to understand the consequences of his or her behavior 	<p><u>Language Arts</u></p> <ul style="list-style-type: none"> ● GOAL 1 Demonstrate increasing competence in oral communication (listening and speaking). ● LEARNING STANDARD 1.A Demonstrate understanding through age-appropriate responses.¹ ● Preschool Benchmarks 1.A.ECa Follow simple one-, two- and three-step directions. ● 1.A.ECb Respond appropriately to questions from others. ● 1.A.ECc Provide comments relevant to the context. ● 1.A.ECd Identify emotions from facial expressions and body language. 	<p><u>Math</u></p> <ul style="list-style-type: none"> ● GOAL 6 Demonstrate and apply a knowledge and sense of numbers, including numeration and operations.¹⁹ ● LEARNING STANDARD 6.A Demonstrate beginning understanding of numbers, number names, and numerals.²⁰ Preschool Benchmarks 6.A.ECa Count with understanding and recognize “how many” in small sets up to 5.²¹ ● 6.A.ECb Use subitizing (the rapid and accurate judgment of how many items there are without counting) to identify the number of objects in sets of 4 or less.²² ● 6.A.ECc Understand and appropriately use informal or everyday terms that mean zero, such as “none” or “nothing”.²³ 6.A.ECd Connect numbers to quantities they represent
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			using physical models and informal representations.2
Pre-K Quarter 2	<u>Social Emotional</u> <ul style="list-style-type: none"> LEARNING STANDARD 30.C Demonstrate skills related to successful personal and school outcomes.75 Preschool Benchmarks <ul style="list-style-type: none"> 30.C.ECa Exhibit eagerness and curiosity as a learner. 30.C.ECb Demonstrate persistence and creativity in seeking solutions to problems. 30.C.ECc Show some initiative, self-direction, and independence in actions. 30.C.ECd Demonstrate engagement and sustained attention in activities. 	<u>Language Arts</u> <ul style="list-style-type: none"> LEARNING STANDARD 1.C Use language to convey information and ideas. Preschool Benchmarks <ul style="list-style-type: none"> 1.C.ECa Describe familiar people, places, things, and events and, with teacher assistance, provide additional detail. 	<u>Math</u> <ul style="list-style-type: none"> LEARNING STANDARD 6.B Add and subtract to create new numbers and begin to construct sets. Preschool Benchmarks <ul style="list-style-type: none"> 6.B.ECa Recognize that numbers (or sets of objects) can be combined or separated to make another number.27 6.B.ECb Show understanding of how to count out and construct sets of objects of a given number up to 5.28 6.B.ECc Identify the new number created when small sets (up to 5) are combined or separated.29 6.B.ECd Informally solve simple mathematical problems presented in a meaningful context.3 6.B.ECe Fairly share a set of up to 10 items between two children.

<p>Pre-K Quarter 3</p>	<p><u>Social Emotional</u></p> <ul style="list-style-type: none"> LEARNING STANDARD 30.C Demonstrate skills related to successful personal and school outcomes.75 <p>Preschool Benchmarks</p> <ul style="list-style-type: none"> 30.C.ECa Exhibit eagerness and curiosity as a learner. 30.C.ECb Demonstrate persistence and creativity in seeking solutions to problems. 30.C.ECc Show some initiative, self-direction, and independence in actions. 30.C.ECd Demonstrate engagement and sustained attention in activities. 	<p><u>Language Arts</u></p> <ul style="list-style-type: none"> GOAL 2 Demonstrate understanding and enjoyment of literature. LEARNING STANDARD 2.A Demonstrate interest in stories and books.6 <p>Preschool Benchmarks</p> <ul style="list-style-type: none"> 2.A.ECa Engage in book-sharing experiences with purpose and understanding. 2.A.ECb Look at books independently, pretending to read. 	<p><u>Math</u></p> <ul style="list-style-type: none"> GOAL 7 Explore measurement of objects and quantities.32 LEARNING STANDARD 7.A Measure objects and quantities using direct comparison methods and nonstandard units. <p>Preschool Benchmarks</p> <ul style="list-style-type: none"> 7.A.ECa Compare, order, and describe objects according to a single attribute.33 7.A.ECb Use nonstandard units to measure attributes such as length and capacity. 7.A.ECc Use vocabulary that describes and compares length, height, weight, capacity, and size. 7.A.ECd Begin to construct a sense of time through participation in daily activities.
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<p>Pre-K Quarter 4</p>	<p><u>Social Emotional</u></p> <ul style="list-style-type: none"> LEARNING STANDARD 32.B Apply decision-making skills to deal responsibly with daily academic and social situations. <p>Preschool Benchmarks</p> <ul style="list-style-type: none"> 32.B.ECa Participate in discussions about finding alternative solutions to problems. 	<p><u>Language Arts</u></p> <ul style="list-style-type: none"> GOAL 4 Demonstrate increasing awareness of and competence in emergent reading skills and abilities. LEARNING STANDARD 4.A Demonstrate understanding of the organization and basic features of print.12 <p>Preschool Benchmarks</p> <ul style="list-style-type: none"> 4.A.ECa Recognize the differences between print and pictures. 4.A.ECb Begin to follow words from left to right, top to bottom, and page by page. 4.A.ECc Recognize the one-to-one relationship between spoken and written words. 4.A.ECd Understand that words are separated by spaces in print. 4.A.ECe Recognize that letters are grouped to form words. 4.A.ECf Differentiate letters from numerals. 	<p><u>Math</u></p> <ul style="list-style-type: none"> GOAL 8 Identify and describe common attributes, patterns, and relationships in objects.35 LEARNING STANDARD 8.A Explore objects and patterns <p>Preschool Benchmarks</p> <ul style="list-style-type: none"> 8.A.ECa Sort, order, compare, and describe objects according to characteristics or attribute(s).36 8.A.ECb Recognize, duplicate, extend, and create simple patterns in various formats
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Kindergarten

<p>Kindergarten n Quarter 1</p>	<p><u>Math</u></p> <ul style="list-style-type: none"> • When counting objects, say the number names in the standard order, pairing each object with one and only one number name and each number name with one and only one object. • Understand that the last number name said tells the number of objects counted. The number of objects is the same regardless of their arrangement or the order in which they were counted. • Understand that each successive number name refers to a 	<p><u>Reading</u></p> <ul style="list-style-type: none"> • Recognize and name all upper- and lowercase letters of the alphabet. (<u>letters</u>: m, a, s,)p • Read common high-frequency words by sight (<u>sight words</u>: the, we, see, a) • With prompting and support, identify the main topic of a text • With prompting and support, ask and answer questions about unknown words in a text. 	<p><u>Writing</u></p> <ul style="list-style-type: none"> • Participate in shared research and writing projects. • Use a combination of drawing, dictating, and writing to narrate a single event or several loosely linked events, tell about the events in the order in which they occurred, and provide a reaction to what happened. 	<p><u>Science</u></p> <ul style="list-style-type: none"> • Use observations to describe patterns of what plants and animals (including humans) need to survive. • Use and share observations of local weather conditions to describe patterns over time. • Use observations (firsthand or from media) to describe patterns in the natural world in order to answer scientific questions. • Communicate solutions that will reduce the impact of humans on the land, water, air, and/or
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quantity that is one larger.

- Write numbers from 0 to 10. Represent a number of objects with a written numeral 0-10

other living things in the local environment.

<p>Kindergarten Quarter 2</p>	<p><u>Math</u></p> <ul style="list-style-type: none"> • Classify objects and count the number of objects in each category. • Analyze, compare, create, and compose shapes. • Identify and describe shapes (squares, circles, triangles, rectangles). • Compare lengths using taller than and shorter than with aligned and non-aligned endpoints • Directly compare two objects with a measurable attribute in common, to see which object has “more of”/“less of” the 	<p><u>Reading</u></p> <ul style="list-style-type: none"> • Recognize and name all upper- and lowercase letters of the alphabet (<u>letters</u>: t, i, n, c, o, d) • Read common high-frequency words by sight (<u>sight words</u>: like, to, and, go, you, do) • With prompting and support, describe the relationship between illustrations and the story in which they appear • With prompting and support, name the author and illustrator of a story and define the role of each in telling the story. • With prompting and support, describe the 	<p><u>Writing</u></p> <ul style="list-style-type: none"> • Use a combination of drawing, dictating, and writing to narrate a single event or several loosely linked events, tell about the events in the order in which they occurred, and provide a reaction to what happened. • Apply knowledge of capitalization, punctuation, and finger spacing to publish. • Spell simple words phonetically, drawing on knowledge of sound-letter relationships 	<p><u>Science</u></p> <ul style="list-style-type: none"> • Use observations to describe patterns of what plants and animals (including humans) need to survive. • Use and share observations of local weather conditions to describe patterns over time. • Use observations (firsthand or from media) to describe patterns in the natural world in order to answer scientific questions. • Communicate solutions that will reduce the impact of humans on the land, water, air, and/or
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attribute, and describe
the difference.

connection between two
individuals, events,
ideas, or pieces of
information in a text.

other living things in the
local environment.

<p>Kindergarten en Quarter 3</p>	<p><u>Math</u></p> <ul style="list-style-type: none"> • Represent addition and subtraction with objects, fingers, mental images, drawings, sounds (e.g., claps), acting out situations, verbal explanations, expressions, or equations. • Solve addition and subtraction word problems, and add and subtract within 10, e.g., by using objects or drawings to represent the problem. • Decompose numbers less than or equal to 10 into pairs in more than one way, e.g., by using objects or drawings, 	<p><u>Reading</u></p> <ul style="list-style-type: none"> • Recognize and name all upper- and lowercase letters of the alphabet (<u>letters</u>: h, e, f, r, b, l, k, ck, u, g, w, x, v, j, q, y, z) • Read common high-frequency words by sight (<u>sight words</u>: my, are, he, with, is, little, she, was, for, have, they, of, said, want, here, me, this, what) • With prompting and support, ask and answer questions about key details in a text. • With prompting and support, make predictions about a text. Confirm/revise them using text evidence. 	<p><u>Writing</u></p> <ul style="list-style-type: none"> • With guidance and support from adults, respond to questions and suggestions from peers and add details to strengthen writing as needed. • Use a combination of drawing, dictating, and writing to compose opinion pieces in which they tell a reader the topic or the name of the book they are writing about and state an opinion or preference about the topic or book (e.g., My favorite book is...). 	<p><u>Science</u></p> <p>Materials and Motion</p> <ul style="list-style-type: none"> • Plan and conduct an investigation to compare the effects of different strengths or different directions of pushes and pulls on the motion of an object. • Analyze data to determine if a design solution works as intended to change the speed or direction of an object with a push or a pull. • Analyze data from tests of two objects designed to solve the same problem to compare the strengths and
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	and record each decomposition by a drawing or equation (e.g., $5 = 2 + 3$ and $5 = 4 + 1$).			weaknesses of how each performs.
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<p>Kindergarten en Quarter 4</p>	<p><u>Math</u></p> <ul style="list-style-type: none"> • Compose Numbers 11–20 from 10 Ones and Some Ones; Represent and Write Teen Numbers • Decompose Numbers 11–20, and Count to Answer “How Many?” Questions in Varied Configurations • Extend the Say Ten and Regular Count Sequence to 100 • Represent and Apply Compositions and Decompositions of Teen Numbers • Describe the systematic construction of flat shapes using ordinal numbers. 	<p><u>Reading</u></p> <ul style="list-style-type: none"> • Associate the long and short sounds with the common spellings (graphemes) for the five major vowels. (<u>sounds</u>: long vowels with silent e, ee) • Read common high-frequency words by sight (<u>sight words</u>: help, to, play, has, where, look, who, good, come, does) • Distinguish between similarly spelled words by identifying the sounds of the letters that differ. • With prompting and support, compare and contrast the adventures and experiences of 	<p><u>Writing</u></p> <ul style="list-style-type: none"> • With guidance and support from adults, respond to questions and suggestions from peers and add details to strengthen writing as needed. • Use a combination of drawing, dictating, and writing to compose informative/explanatory texts in which they name what they are writing about and supply some information about the topic. 	<p><u>Science</u> Animals Two by Two</p> <ul style="list-style-type: none"> • Use observations to describe patterns of what plants and animals (including humans) need to survive. • Use a model to represent the relationship between the needs of different plants and animals and the places they live. • Construct an argument supported by evidence for how plants and animals can change the environment to meet their needs
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	<ul style="list-style-type: none"> • Compose simple shapes to form a larger shape described by an outline. • Decompose flat shapes into two or more shapes. 	<p>characters in familiar stories</p> <ul style="list-style-type: none"> • With prompting and support, make predictions about a text. Confirm/revise them using text evidence. 		
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First Grade

1st Grade Quarter 1	<u>Math</u> <ul style="list-style-type: none"> • Uses addition and subtraction up to 20 to solve word problems • Solves addition and subtraction in various ways • Solves for the missing number using addition and subtraction • Identify, count, and write numbers to 120 	<u>Reading</u> <ul style="list-style-type: none"> • Segments the beginning, middle, and ending sounds of words • Decode regularly spelled short vowel words • Read Sight words • Decode words with consonant blends • Reads on-level text orally with accuracy, rate, and expression 	<u>Writing</u> <ul style="list-style-type: none"> • Writes narratives including sequencing events, details, and a specific purpose. • Capitalization of names, dates, 1st word in sentences and "I." • Uses end punctuation for sentences • Spells untaught words phonetically
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		<ul style="list-style-type: none"> Identifies the main topic and retell key details of a text Identify and describe characters, settings, and major events in the story 	
1st Grade Quarter 2	<u>Math</u> <ul style="list-style-type: none"> Uses addition and subtraction up to 20 to solve word problems Solves addition and subtraction in various ways Solves for the missing number using addition and subtraction Understand the meaning of the equal sign 	<u>Reading</u> <ul style="list-style-type: none"> Segments the beginning, middle, and ending sounds of words Decode regularly spelled short vowel words Read Sight words Decode words with consonant blends Reads on-level text orally with accuracy, rate, and expression Identifies the main topic and retell key details of a text Identify and describe characters, settings, and major events in the story Decodes words with consonant digraphs 	<u>Writing</u> <ul style="list-style-type: none"> Writes narratives including sequencing events, details, and a specific purpose. Capitalization of names, dates, 1st word in sentences and "I." Uses end punctuation for sentences Spells untaught words phonetically
1st Grade Quarter 3	<u>Math</u> <ul style="list-style-type: none"> Uses addition and subtraction up to 20 to solve word problems 	<u>Reading</u> <ul style="list-style-type: none"> Segments the beginning, middle, and ending sounds of words 	<u>Writing</u> <ul style="list-style-type: none"> Writes narratives including sequencing events, details, and a specific purpose.

	<ul style="list-style-type: none"> • Solves addition and subtraction in various ways • Solves for the missing number using addition and subtraction • Understand place value (ones, tens, hundreds) • Given and two digit number, finds ten more and ten less • Compare two-digit numbers using $<$, $>$, and $=$ 	<ul style="list-style-type: none"> • Decode regularly spelled short vowel words • Read Sight words • Decode words with consonant blends • Reads on-level text orally with accuracy, rate, and expression • Identifies the main topic and retell key details of a text • Identify and describe characters, settings, and major events in the story • Decode words with long vowel patterns 	<ul style="list-style-type: none"> • Writes informative/explanatory texts in which they name a topic and supply some facts about the topic • Capitalization of names, dates, 1st word in sentences and "I." • Uses end punctuation for sentences • Spells untaught words phonetically
1st Grade Quarter 4	<u>Math</u> <ul style="list-style-type: none"> • Uses addition and subtraction up to 20 to solve word problems • Solves addition and subtraction in various ways • Solves for the missing number using addition and subtraction • Understand place value (ones, tens, hundreds) 	<u>Reading</u> <ul style="list-style-type: none"> • Segments the beginning, middle, and ending sounds of words • Decode regularly spelled short vowel words • Read Sight words • Decode words with consonant blends • Read on-level text with understanding • Reads on-level text orally with accuracy, rate, and expression 	<u>Writing</u> <ul style="list-style-type: none"> • Writes narratives including sequencing events, details, and a specific purpose. • Writes informative/explanatory texts in which they name a topic and supply some facts about the topic

	<ul style="list-style-type: none">• Given and two digit number, finds ten more and ten less	<ul style="list-style-type: none">• Identifies the main topic and retell key details of a text• Identify and describe characters, settings, and major events in the story• Decode words with long vowel patterns• Decode two-syllable words following basic patterns• Read words with suffixes	
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2nd Grade

<p>2nd Grade Quarter 1</p>	<p><u>Reading and Written Language</u></p> <ul style="list-style-type: none"> ● Read and comprehend increasingly difficult text ● Read fluently with expression ● Identify and describe the characters, setting, and plot in a given text ● Read independently during assigned times ● Read accurately with the ability to self-correct ● Decode unknown words ● Demonstrate command of the conventions of capitalization, punctuation, and spelling when writing ● Create a narrative about an event with detailed description and closure ● Participate in conversations about second grade topics and texts ● Follow agreed upon rules of 	<p><u>Math</u></p> <ul style="list-style-type: none"> ● Use addition and subtraction within 100 to solve one-and-two-step word problems ● Fluently add and subtract within 20 using mental strategies ● Fluently add and subtract within 100 ● Measure the length of an object by selecting and using appropriate tools ● Measure and estimate lengths in standard units ● Relate addition and subtraction to length ● Understand that the three digits of a three-digit number represent amounts of hundreds, tens, and ones ● Skip-count by 5's, 10's, and 100's within 1000 ● Read and write numbers to 1000 	<p><u>Social Studies</u></p> <ul style="list-style-type: none"> ● Apply calendar skills to everyday life ● Make connections with events in history ● Integrate citizenship to create a sense of community <p><u>Science</u></p> <p>Solids and Liquids</p> <ul style="list-style-type: none"> ● Investigate the properties of the 3 states of matter
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	discussions (listening to others with care, staying on topic, asking questions)		
2nd Grade Quarter 2	<p><u>Reading and Written Language</u> Continue to build on all Quarter 1 essential skills</p> <ul style="list-style-type: none"> Recognize different genres of literature (fiction, nonfiction, poetry, fables, etc.) Create opinion pieces with topic introductions, providing reasons for opinions, and a conclusion Create informative texts with topic introductions, supporting facts, and a conclusion 	<p><u>Math</u></p> <ul style="list-style-type: none"> Use addition and subtraction within 100 to solve one and two step word problems Fluently add and subtract within 100 using strategies of place value and properties of operations Add and subtract within 1000 using concrete models or drawings and strategies of properties of operations Mentally add or subtract 10 or 100 to a given number Explain why addition and subtraction strategies work 	<p><u>Social Studies</u></p> <ul style="list-style-type: none"> Apply calendar skills to everyday life Make connections with events in history Integrate citizenship to create a sense of community <p><u>Science</u> Solids and Liquids</p> <ul style="list-style-type: none"> Compare the properties of solids and liquids and draw conclusions about changing states of matter

<p>2nd Grade Quarter 3</p>	<p><u>Reading and Written Language</u> Continue to build on all Quarter 1 and Quarter 2 essential skills</p> <ul style="list-style-type: none"> Strengthen writing through revision and editing. Use digital tools to produce and publish writing. Complete writing projects that take more than one day to finish. 	<p><u>Math</u></p> <ul style="list-style-type: none"> Fluently add and subtract within 1000 using strategies of place value and properties of operations Mentally add or subtract 10 or 100 to a given number Explain why addition and subtraction strategies work Determine odd and even numbers up to 20 Use addition to find the total number of objects in a rectangular array 	<p><u>Social Studies</u></p> <ul style="list-style-type: none"> Apply calendar skills to everyday life Make connections with events in history Integrate citizenship to create a sense of community <p><u>Science</u> Pebbles, Sand, and Silt</p> <ul style="list-style-type: none"> Investigate Earth's materials Explore the cause and effect of Earth's forces
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<p>2nd Grade Quarter 4</p>	<p><u>Reading and Written Language</u> Continue to build on all Quarter 1, Quarter 2, and Quarter 3 essential skills</p> <ul style="list-style-type: none"> • Know and use various text features (captions, pictures, bold print, subheadings, glossaries, etc.) 	<p><u>Math</u></p> <ul style="list-style-type: none"> • Measure and estimate lengths in standard units • Relate addition and subtraction to length • Solve word problems using money • Generate data by measuring lengths of several objects • Draw picture graphs and bar graphs to represent data • Tell time and write time to the nearest 5 minutes using analog and digital clocks • Recognize and draw shapes based on their given attributes • Partition circles and rectangles into equal shares using the words halves, thirds, a half of, a third of, etc. 	<p><u>Social Studies</u></p> <ul style="list-style-type: none"> • Apply calendar skills to everyday life • Make connections with events in history • Integrate citizenship to create a sense of community <p><u>Science</u> Insects and Plants</p> <ul style="list-style-type: none"> • Investigate, explore, and document the life cycles of various insects and plants
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3rd Grade

3rd Grade Quarter 1	<u>Math</u> <ul style="list-style-type: none">● Review addition● Review subtraction● Demonstrate multiplication using repeated addition, arrays, and commutative property with various multiplication facts.	<u>Reading</u> <ul style="list-style-type: none">● Formulate main idea and using key details for support.● Students will analyze various texts and passages by asking and answering questions before, during, and after reading.● Students will combine information to	<u>Social Studies</u> <ul style="list-style-type: none">● Construct and interpret maps with continents and oceans using map skills.	<u>Writing/English</u> <ul style="list-style-type: none">● Compose a friendly letter using proper format.● Demonstrate the conventions of standard English (punctuation, capitalization, and complete sentences) and grammar when writing.	<u>Science</u> Weather, Water and Climate (Foss Series) <ul style="list-style-type: none">● Represent data in tables and graphical displays to describe typical weather conditions expected during a particular season.● Combine information to compare and describe climates in different regions of the world.
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		<p>summarize by sequencing the events of a story.</p> <ul style="list-style-type: none"> • Critique how characters' actions and traits contribute to a stories events. • Students will identity and support cause and effect relationships in a section of a text using prior and new knowledge and keywords. 		<ul style="list-style-type: none"> • Apply spelling conventions and knowledge of high frequency words 	
3rd Grade Quarter 2	<u>Math</u> <ul style="list-style-type: none"> • Demonstrate multiplication using repeated addition, arrays, 	<u>Reading</u> <ul style="list-style-type: none"> • continue going deeper with Q1 skills and strategies (main 	<u>Social Studies</u> <ul style="list-style-type: none"> • Construct and analyze timelines of key historical events and 	<u>Writing/English</u> <ul style="list-style-type: none"> • Write narratives to develop real or imagined 	<u>Science</u> Motion and Matter (Foss Series) <ul style="list-style-type: none"> • Students will learn force and motion

	<p>commutative property, and distributive property with multiplication facts 0-10.</p> <ul style="list-style-type: none"> • Demonstrate the inverse relationship between division and multiplication. • Explain how to and differentiate between rounding to the nearest 10 or 100 using place value. • Analyze word problems to determine when addition or subtraction is 	<p>idea and key details, ask and answer questions, sequence events, character's actions cause and effect)</p> <ul style="list-style-type: none"> • Assess how point of view shapes the content and style of a text. • Students will construct various graphic organizers to compare and contrast characters, topics, and concepts in order to assimilate their differences and similarities. • Use text features to cite evidence to 	<p>people of the past.</p>	<p>experiences or events.</p> <ul style="list-style-type: none"> • Demonstrate the conventions of standard English (punctuation, capitalization, and complete sentences) and grammar when writing. • Apply spelling conventions and knowledge of high frequency words • Develop and strengthen writing through planning, revising, editing, rewriting, and publishing. 	<p>concepts by studying and examining the wheel-and-axle system, and the effects of gravity, magnetism, and friction on objects through observation, modeling, and interpretation of data created by various investigations that demonstrate push, pull, attraction, and repulsion.</p> <ul style="list-style-type: none"> • Make observations and/or measurements of an object's motion to provide evidence that a pattern can be
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	needed and demonstrate using standard algorithm.	demonstrate understanding of a given text.			used to predict future motion. <ul style="list-style-type: none"> Formulate scientific ideas about magnets.
3rd Grade Quarter 3	<u>Math</u> <ul style="list-style-type: none"> Illustrate how concepts of area relate to multiplication. Solve real world and mathematical problems involving perimeters of polygons. Analyze properties of polygons to classify. 	<u>Reading</u> <ul style="list-style-type: none"> read with accuracy and fluency to support comprehension continue Q1 and Q2 skills and strategies to comprehend at the high end of grade 3 text complexity independently 	<u>Social Studies</u> <ul style="list-style-type: none"> Explain how communities are formed with rules and procedures while illustrating how culture helps develop various traditions within a community. 	<u>Writing/English</u> <ul style="list-style-type: none"> Construct and write arguments to support an opinion or point of view using valid reasoning and evidence. Demonstrate the conventions of standard English (punctuation, capitalization, and complete sentences)and 	<u>Science</u> Structure of Life (Foss Series) <ul style="list-style-type: none"> Describe that organisms have unique and diverse life cycles while identifying similarities. Analyze and interpret data to provide evidence that plants and animals have traits inherited from parents.

	<ul style="list-style-type: none"> Describe and model fractional parts of a whole and of a set. Use models, number lines, and quantitative reasoning to compare fractions. 			<p>grammar when writing.</p> <ul style="list-style-type: none"> Apply spelling conventions and knowledge of high frequency words Develop and strengthen writing through planning, revising, editing, rewriting, and publishing. 	
3rd Grade Quarter 4	<p><u>Math</u></p> <ul style="list-style-type: none"> Measure lengths to the nearest half and fourth inch. Represent and interpret data with various graphs. Tell and write time to the nearest 	<p><u>Reading</u></p> <ul style="list-style-type: none"> read with accuracy and fluency to support comprehension continue Q1, Q2, Q3 skills and strategies to comprehend at the 	<p><u>Social Studies</u></p> <ul style="list-style-type: none"> Summarize economics using goods and services and local businesses. 	<p><u>Writing/English</u></p> <ul style="list-style-type: none"> Write Informative texts to examine a topic and convey information clearly and accurately using research. Demonstrate the conventions of 	<p><u>Science</u> Structure of Life (Foss Series)</p> <ul style="list-style-type: none"> Construct explanations for how variations in characteristics may provide advantages in surviving.

	<p>minute and interpret time intervals.</p>	<p>high end of grade 3 text complexity independently</p>		<p>standard English (punctuation, capitalization, and complete sentences) and grammar when writing.</p> <ul style="list-style-type: none"> ● Apply spelling conventions and knowledge of high frequency words ● Develop and strengthen writing through planning, revising, editing, rewriting, and publishing. 	<ul style="list-style-type: none"> ● Explain with evidence that in a particular habitat some organisms can survive well and some less or not at all.
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4th Grade

4th Grade Quarter 1	<u>Math</u> <ul style="list-style-type: none"> ● Understands and applies knowledge of place value. ● Fluently add or subtracts multi-digit whole numbers using the standard algorithm. ● Use length, mass and capacity in the metric system to convert between units using place value knowledge. 	<u>Writing</u> <ul style="list-style-type: none"> ● Write narratives to develop real or imagined experiences or events using effective technique, descriptive details, and clear event sequences. ● Demonstrate command of the conventions of standard English grammar when writing. 	<u>Social Studies</u> <ul style="list-style-type: none"> ● Develop claims and use evidence to support the claim. ● Explain government systems as a local, state, and national levels. ● Constructs and interprets maps. ● Explains causes and effects in history. 	<u>Science</u> <ul style="list-style-type: none"> ● Conducts investigations about energy. 	<u>Reading</u> <ul style="list-style-type: none"> ● Read with sufficient accuracy and fluency to support comprehension. ● Determine the theme or main idea of a text and support it with key details. ● Determine the meaning of phrases and word in both Literature and Informational Text. ● By the end of the year, read and comprehend Literature and Information text in
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					a grade 4-5 complexity band.
4th Grade Quarter 2	<u>Math</u> <ul style="list-style-type: none"> • Uses multiplication strategies to solve problems. • Uses division strategies to solve problems. • Understands and applies knowledge of place value 	<u>Writing</u> <ul style="list-style-type: none"> • Write narratives to develop real or imagined experiences or events using effective technique, descriptive details, and clear event sequences. • Demonstrate command of the conventions of standard English grammar when writing. • Write opinion pieces on topics 	<u>Social Studies</u> <ul style="list-style-type: none"> • Develop claims and use evidence to support the claim. • Explain government systems as a local, state, and national levels • Explains causes and effects in history. 	<u>Science</u> <ul style="list-style-type: none"> • Conducts investigations about energy. 	<u>Reading</u> <ul style="list-style-type: none"> • Read with sufficient accuracy and fluency to support comprehension. • Determine the theme or main idea of a text and support it with key details. • Determine the meaning of phrases and word in both Literature and Informational Text. • By the end of the year, read and

		of texts, supporting a point of view with reasons and information.			comprehend Literature and Information text in a grade 4-5 complexity band.
4th Grade Quarter 3	<u>Math</u> <ul style="list-style-type: none"> • Draw and identify lines and angles • Adds, subtracts, and multiplies fractions to solve a problem. • Compares and identifies fractions as $<$, $>$, or equivalent. 	<u>Writing</u> <ul style="list-style-type: none"> • Write informative/explanatory texts to examine a topic and convey ideas and information clearly. • Demonstrate command of the conventions of standard English grammar when writing. • Write opinion pieces on topics 	<u>Social Studies</u> <ul style="list-style-type: none"> • Develop claims and use evidence to support the claim. • Explain government systems as a local, state, and national levels • Explains causes and effects in history 	<u>Science</u> <ul style="list-style-type: none"> • Conducts investigations about energy. 	<u>Reading</u> <ul style="list-style-type: none"> • Read with sufficient accuracy and fluency to support comprehension. • Determine the theme or main idea of a text and support it with key details. • Determine the meaning of phrases and word in both Literature

		of texts, supporting a point of view with reasons and information.			and Informational Text. <ul style="list-style-type: none"> • By the end of the year, read and comprehend Literature and Information text in a grade 4-5 complexity band.
4th Grade Quarter 4	<u>Math</u> <ul style="list-style-type: none"> • Adds, subtracts, and multiplies fractions to solve a problem. • Compares and identifies fractions as $<$, $>$, or equivalent. • Understands decimal notation for fractions, and 	<u>Writing</u> <ul style="list-style-type: none"> • Write informative/explanatory texts to examine a topic and convey ideas and information clearly. • Demonstrate command of the conventions of standard English 	<u>Social Studies</u> <ul style="list-style-type: none"> • Develop claims and use evidence to support the claim. • Explain government systems as a local, state, and national levels 	<u>Science</u> <ul style="list-style-type: none"> • Conducts investigations about energy. 	<u>Reading</u> <ul style="list-style-type: none"> • Read with sufficient accuracy and fluency to support comprehension. • Determine the theme or main idea of a text and support it with key details.

	compare decimal fractions.	grammar when writing.	<ul style="list-style-type: none"> • Explains causes and effects in history. • Understands Civil Rights, responsibilities, and privileges. 		<ul style="list-style-type: none"> • Determine the meaning of phrases and word in both Literature and Informational Text. • By the end of the year, read and comprehend Literature and Information text in a grade 4-5 complexity band.
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5th Grade

5th Grade	<u>Math</u> <ul style="list-style-type: none"> • Read, write, and 	<u>Social Studies</u> <ul style="list-style-type: none"> • Use inquiry skills 	<u>Science</u> <ul style="list-style-type: none"> • Define a simple 	<u>Reading</u> <ul style="list-style-type: none"> • Reread text to 	<u>Language Arts</u> <ul style="list-style-type: none"> • Use descriptive
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<p>Quarter 1</p>	<p>compare whole numbers and decimal numbers</p> <ul style="list-style-type: none"> ● Identify place value patterns ● Round decimals to tenths, hundredths, thousandths ● Add/subtract decimals ● Multiply a whole number by a decimal ● Divide a whole number by a decimal 	<p>across social studies</p> <ul style="list-style-type: none"> ● topics. ● Examine the origins and purposes of rules, laws, and key U.S. constitutional provisions. ● Describe how the cultural and environmental characteristics of places within the United States change over time. ● Analyze why and how individuals, businesses, and nations around the world specialize and trade. ● Explain probable 	<p>design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost.</p> <ul style="list-style-type: none"> ● Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem. ● Plan and carry out fair tests in which variables are controlled and failure points are 	<p>increase understanding</p> <ul style="list-style-type: none"> ● Review basic story elements ● Accurately quote reasons and evidence from the text to support responses ● Determine sequence of events within a text ● Use context clues to identify the meaning of unknown words ● Acquire and accurately use grade appropriate 	<p>details in writing</p> <ul style="list-style-type: none"> ● Learn and practice the format of a paragraph ● Write a narrative text ● Write in complete sentences and use correct grammar ● Adjust style and tone to match purpose and audience ● Use subject and predicate information to compose complete and incomplete sentences
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		causes and effects of events and developments in U.S history.	considered to identify aspects of a model or prototype that can be improved. <ul style="list-style-type: none"> • Represent data in graphical displays to reveal patterns of daily changes in length and direction of shadows, day and night, and the seasonal appearance of some stars in the night sky. 	general academic and domain specific words <ul style="list-style-type: none"> • Demonstrate understanding of idioms • Summarize fiction and non-fiction text • Make inferences from fiction and informational text 	<ul style="list-style-type: none"> • Use strong words in writing • Write and identify the elements of compound sentences • Improve writing as it relates to sequence
5th Grade Quarter 2	<u>Math</u> <ul style="list-style-type: none"> • Multiply whole numbers up to a three digit by a 	<u>Social Studies</u> <ul style="list-style-type: none"> • Use inquiry skills across social studies topics. 	<u>Science</u> <ul style="list-style-type: none"> • Support an argument that differences in the 	<u>Reading</u> <ul style="list-style-type: none"> • Identify cause/effect, problem/solutio 	<u>Language Arts</u> <ul style="list-style-type: none"> • Write and identify the elements of complex

	<p>two digit number</p> <ul style="list-style-type: none"> • Divide whole numbers up to a four digit dividend by a two digit divisor • Multiply a decimal by a decimal • Divide a decimal by a decimal 	<ul style="list-style-type: none"> • Analyze events leading to the Revolutionary War. • Examine the origins and purposes of rules, laws, and key U.S. constitutional provisions • Describe how the cultural and environmental characteristics of places within the United States change over time. • Analyze why and how individuals, businesses, and nations around the world specialize and trade. • Explain probable 	<p>apparent brightness of the sun compared to other stars is due to their relative distances from Earth.</p> <ul style="list-style-type: none"> • Support an argument that the gravitational force exerted by Earth on objects is directed down. • Develop a model using an example to describe ways the geosphere, biosphere, hydrosphere, and/or atmosphere interact. • Describe and 	<p>n, and sequence text structures</p> <ul style="list-style-type: none"> • Use sentence cues to interpret the meaning of homographs, synonyms, and antonyms • Identify characteristics of multiple genres • Use Greek roots, Greek prefixes/suffixes, and Latin prefixes/suffixes to determine the meaning of unknown words 	<p>sentences</p> <ul style="list-style-type: none"> • Use varying sentence structure in writing • Determine run-on sentences and correct them through revising and editing • Develop the main idea in writing • Use correct parts of speech in writing • Generate a strong opening in writing
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		causes and effects of events and developments in U.S history.	graph the amounts and percentages of water and fresh water in various reservoirs to provide evidence about the distribution of water on Earth.	<ul style="list-style-type: none"> ● Identify the author's point of view within a text ● Identify the theme of a text and support it with key details 	
5th Grade Quarter 3	<u>Math</u> <ul style="list-style-type: none"> ● Multiply whole numbers up to a three digit by a two digit number ● Divide whole numbers up to a four digit dividend by a two digit divisor ● Multiply a decimal by a decimal 	<u>Social Studies</u> <ul style="list-style-type: none"> ● Use inquiry skills across social studies topics. ● Examine the origins and purposes of rules, laws, and key U.S. constitutional provisions. ● Describe how the cultural and environmental 	<u>Science</u> <ul style="list-style-type: none"> ● Obtain and combine information about ways individual communities use science ideas to protect the Earth's resources and environment. ● Use models to describe that 	<u>Reading</u> <ul style="list-style-type: none"> ● Identify characteristics of multiple genres ● Make, confirm, and revise predictions based on evidence from a text ● Compare/contr 	<u>Language Arts</u> <ul style="list-style-type: none"> ● Determine the elements of an opinion piece ● Select a strong opinion piece topic ● Brainstorm and organize all ideas for an opinion piece ● Research

	<ul style="list-style-type: none"> • Divide a decimal by a decimal 	<p>characteristics of places within the United States change over time.</p> <ul style="list-style-type: none"> • Analyze why and how individuals, businesses, and nations around the world specialize and trade. • Explain probable causes and effects of events and developments in U.S history. 	<p>energy in animals' food (used for body repair, growth, motion, and to maintain body warmth) was once energy from the sun.</p> <ul style="list-style-type: none"> • Develop a model to describe the movement of matter among plants, animals, decomposers, and the environment. • Support an argument that plants get the materials they need for growth chiefly from air and water. 	<p>ast two or more characters, settings, or events in a text</p> <ul style="list-style-type: none"> • Demonstrate understanding of similes and metaphors • Compare and contrast stories in the same genre on their approaches to similar themes/topics • Determine the main idea of a text and identify key details (also determine multiple main 	<p>evidence to support opinions</p> <ul style="list-style-type: none"> • Write an opinion piece
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				ideas in informational text)	
5th Grade Quarter 4	<u>Math</u> <ul style="list-style-type: none"> • Write and interpret numerical expressions • Calculate volume using the operations of multiplication and addition • Calculate the area of rectangular figures with fractional side lengths • Analyze and classify two dimensional 	<u>Social Studies</u> <ul style="list-style-type: none"> • Use inquiry skills across social studies topics. • Examine the origins and purposes of rules, laws, and key U.S. constitutional provisions. • Describe how the cultural and environmental characteristics of places within the United States change over time. • Analyze why and how individuals, 	<u>Science</u> <ul style="list-style-type: none"> • Develop a model to describe that matter is made of particles too small to be seen. • Measure and graph quantities to provide evidence that regardless of the type of change that occurs when heating, cooling, or mixing substances, the total weight of matter is conserved. • Make observations 	<u>Reading</u> <ul style="list-style-type: none"> • Demonstrate understanding of personification • Identify characteristics of multiple genres • Compare and contrast multiple accounts of the same topic and multiple viewpoints of the same event • Analyze print 	<u>Language Arts</u> <ul style="list-style-type: none"> • Use relevant, on topic details to support writing • Use formal/informal voice in writing and determine when to use each • Use precise language in writing • Write an informational text

	<p>figures</p> <ul style="list-style-type: none"> • Graph points on a coordinate plane and identify patterns in the coordinate plane • Draw figures and problem solve in the coordinate plane 	<p>businesses, and nations around the world specialize and trade.</p> <ul style="list-style-type: none"> • Explain probable causes and effects of events and developments in U.S history. • Analyze events leading to the Civil War, including the expansion of slavery in the western territories • Compare/Contrast the Southern and Northern economies Reconstruction era • Investigate how the cultural and environmental 	<p>and measurements to identify materials based on their properties.</p> <ul style="list-style-type: none"> • Conduct an investigation to determine whether the mixing of two or more substances results in new substances. 	<p>and digital resources, determine how the digital resource influences print</p> <ul style="list-style-type: none"> • Comprehend poetry and drama and identify/determine elements of prose/drama/poetry • Read with sufficient accuracy and fluency to comprehend on level texts 	
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		characteristics of places within the U.S. change over time			
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Elementary Specials (Art and Music)

Art, Band, Music Quarter 1	<p><u>Art</u></p> <ul style="list-style-type: none"> ● K-1: Engage in exploration an imaginative play with materials. ● 2-3: Elaborate on multiple approaches to an artistic problem. ● 4-5: Combine ideas to generate an innovative idea for art making <p><u>Band</u></p> <ul style="list-style-type: none"> ● Instrument Assembly 	<p><u>Music</u></p> <ul style="list-style-type: none"> ● K <ul style="list-style-type: none"> ○ Understanding Music Class ○ Discriminating between voices ○ Interpreting beat in music ● 1st <ul style="list-style-type: none"> ○ Demonstrating music opposites: High/Low, Loud/Quiet, Fast/Slow, Long/Short ○ Evaluating music opposites: High/Low, Loud/Quiet, Fast/Slow, Long/Short ● 2nd
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	<ul style="list-style-type: none"> ● Beginning Sound Production 	<ul style="list-style-type: none"> ○ Singing in a group ○ Using basic music vocabulary correctly to describe music: Beat, Rhythm, Melody, Tempo, Dynamics ● 3rd <ul style="list-style-type: none"> ○ Understand what patriotism is ○ Create a program for Veteran's using patriotic music ○ Explore the history of the Star Spangled Banner ● 4th <ul style="list-style-type: none"> ○ Understanding the Orchestra ○ Categorizing instruments into instrument families ● 5th <ul style="list-style-type: none"> ○ Perform beginning 2-Part harmony ○ Explain two-part music notation
Art, Band, Music Quarter 2	<u>Art</u> <ul style="list-style-type: none"> ● K-1: Use observation and investigation in preparation for making a work of art. ● 2-3: Experiment with various materials and tools to explore personal interests in a work of art. ● 4-5: Demonstrate quality craftsmanship through care for and use of materials, tools and equipment. 	<u>Music</u> <ul style="list-style-type: none"> ● K <ul style="list-style-type: none"> ○ Developing a singing voice vs. shouting in a group ○ Practice interpreting beat in a variety of music ● 1st <ul style="list-style-type: none"> ○ Singing as a large group ○ Moving to the beat

	<p><u>Band</u></p> <ul style="list-style-type: none"> ● Perform as a Large Ensemble ● Listening across and ensemble 	<ul style="list-style-type: none"> ● 2nd <ul style="list-style-type: none"> ○ Singing in a group ○ Producing a musical ● 3rd <ul style="list-style-type: none"> ○ Sing as a group ○ Perform and dance for an audience ● 4th <ul style="list-style-type: none"> ○ Sing in a group ○ Perform and dance for an audience ● 5th <ul style="list-style-type: none"> ○ Performing in a group in beginning harmony ○ Producing a musical including creating props and costumes
<p>Art, Band, Music Quarter 3</p>	<p><u>Art</u></p> <ul style="list-style-type: none"> ● K-1: Through experimentation, build skills in various media and approaches to art making. ● 2-3: Demonstrate an understanding of the safe and proficient use of materials, tools and equipment for a variety of artistic processes. ● 4-5: Create artwork that is meaningful and has purpose to the makers. 	<p><u>Music</u></p> <ul style="list-style-type: none"> ● K <ul style="list-style-type: none"> ○ Evaluating how music tells a story ○ Creating a story that goes with a set piece of music ○ Composing beat-ful music ● 1st <ul style="list-style-type: none"> ○ Explore historical context of a variety of classical music

	<p><u>Band</u></p> <ul style="list-style-type: none">• Solo Playing• Small Ensemble Playing	<ul style="list-style-type: none">○ Use drawing to express understanding of music's tonal qualities● 2nd<ul style="list-style-type: none">○ Explore historical context of a variety of classical music○ Use drawing to express understanding of music's tonal qualities● 3rd<ul style="list-style-type: none">○ Explore historical context of a variety of classical music○ Use drawing to express understanding of music's tonal qualities● 4th<ul style="list-style-type: none">○ Analyzing rhythms using traditional numerical counting○ Analyzing rhythms using non-traditional syllabic words○ Rhythmic fluency in quarter notes, half notes, whole notes, eighth notes, and sixteenth notes as well as their corresponding rests in a wide variety of combinations● 5th
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		<ul style="list-style-type: none"> ○ Perform independently for a judge ○ Perform in a small ensemble for a judge ○ Explain the historical context of music being performed
Art, Band, Music Quarter 4	<p><u>Art</u></p> <ul style="list-style-type: none"> ● K-1: Explain the process of making art while creating. ● 2-3: Discuss and reflect about choices made in creating artwork ● 4-5: Experiment and develop skills in multiple art making techniques and approaches through practice. <p><u>Band</u></p> <ul style="list-style-type: none"> ● Extending range and tone ● Playing independently in a large ensemble 	<p><u>Music</u></p> <ul style="list-style-type: none"> ● K <ul style="list-style-type: none"> ○ Evaluating melody as a rollercoaster ○ Performing with a singing voice alone and with others ● 1st <ul style="list-style-type: none"> ○ Compose music using quarter notes/rests and paired eighth notes ○ Practice music using quarter notes/rests and paired eighth notes ○ Practice music on a treble staff from Middle C to G ○ Perform music on a variety of tonal instruments ● 2nd <ul style="list-style-type: none"> ○ Read music with pitches ranging the C octave. ○ Perform music with pitches ranging the C octave. ○ Accompanying other singers with pitched instruments.

		<ul style="list-style-type: none"> ○ Composing music using poetry. ● 3rd <ul style="list-style-type: none"> ○ Read music using the entire treble clef ○ Perform music using the entire treble clef ○ Use rhythms up to sixteenth notes ○ Begin performing rounds ● 4th <ul style="list-style-type: none"> ○ Producing a musical sound on the recorder ○ Performing a wide variety of music on the recorder ● 5th <ul style="list-style-type: none"> ○ Performing in a group in two part harmony ○ Perform for their peers in a concert
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6th Grade

6th Grade Quarter 1	<u>Math</u> <ul style="list-style-type: none"> ● Apply understanding 	<u>English</u> <ul style="list-style-type: none"> ● Write arguments, informative/ 	<u>Literature</u> <ul style="list-style-type: none"> ● Cite textual evidence to 	<u>Science</u> <ul style="list-style-type: none"> ● Develop and use models to explain 	<u>Social Studies</u> <ul style="list-style-type: none"> ● Use geographic representations (maps,
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	<p>of greatest common factors and least common multiples in fraction operations</p> <ul style="list-style-type: none"> • Interpret and evaluate mathematical expressions including exponents using properties of expressions • Interpret and evaluate mathematical expressions using fractional operations 	<p>explanatory texts to support claims or convey ideas</p> <ul style="list-style-type: none"> • Write narratives to develop real or imagined experiences. • Demonstrate command of the conventions of Standard English grammar and usage. • Determine or clarify the meaning of unknown and multiple meaning words and phrases based on grade 6 reading and content 	<p>support analysis of what the text says explicitly as well as inferences drawn from the text.</p> <ul style="list-style-type: none"> • Determine the meaning of words and phrases as they are used in text. • Describe how a particular story's or drama's plot unfolds in a series of episodes as well as how the characters respond. • Analyze how a particular sentence, chapter , scene, or stanza 	<p>the behavior of light.</p> <ul style="list-style-type: none"> • Construct scientific explanations for light phenomenon. • Revise models with experimental data and results. • Engage in argumentation using experimental results and data to answer the overarching question "Can I Believe my Eyes?". 	<p>photographs, etc.) to explain the relationships between locations (places and regions) and changes in their environment.</p> <ul style="list-style-type: none"> • Explain how humans and their environments affect one another. • Explain how environmental characteristics impact human migration and settlement. <p>Topics:</p> <ul style="list-style-type: none"> • Atlas • -The World's Geography • Early People
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	<ul style="list-style-type: none"> Interpret and evaluate mathematical expressions using decimal operations 		fits into the overall structure of a text and contributes to the development of the theme, setting or plot.		
6th Grade Quarter 2	<u>Math</u> <ul style="list-style-type: none"> Apply knowledge acquired using the order of operations to evaluate multi-step expressions Generate equivalent expressions using 	<u>English</u> <ul style="list-style-type: none"> With some guidance and support, develop and strengthen writing as needed by planning, revising, editing, rewriting. Use technology, including the Internet, to produce and publish writing. 	<u>Literature</u> <ul style="list-style-type: none"> Analyze in detail how a key individual, event or idea is introduced, illustrated, and elaborated in a text. Analyze how a particular sentence, paragraph, chapter, or section 	<u>Science</u> <ul style="list-style-type: none"> Develop, use, and revise models to explain the nature of particles as it relates to smelling substances from a distance. Plan and conduct investigations involving forms of matter and their properties. 	<u>Social Studies</u> <ul style="list-style-type: none"> Explain multiple causes and effects of historical events. Compare the means by which individuals and groups change societies, promote the common good, and protect rights. Compare and contrast the cultural and environmental characteristics of different places or

	<p>properties of operations</p> <ul style="list-style-type: none"> • Simplify algebraic expressions using the distributive property • Determine the area of parallelograms, triangles, trapezoids • Decompose composite figures in order to evaluate perimeters and areas • construct polygons in the 	<ul style="list-style-type: none"> • Demonstrate command of the conventions of Standard English grammar and usage. 	<p>fits into the overall structure of a text.</p> <ul style="list-style-type: none"> • Compare and contrast the experiences of reading a story, drama, or poem to listening to or viewing an audio, video or live version. • Determine an author's point of view or purpose in a text. 	<ul style="list-style-type: none"> • Construct scientific explanations with Claim, Evidence, (and reasoning), to explain scientific data and results regarding the nature of particles. 	<p>regions.</p> <ul style="list-style-type: none"> • Topics: <ul style="list-style-type: none"> • The Tigris and Euphrates Valley • The Nile Valley
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	<p>coordinate plane</p> <ul style="list-style-type: none"> • Find and position integers and other rational numbers on a horizontal or vertical number line 				
<p>6th Grade Quarter 3</p>	<p><u>Math</u></p> <ul style="list-style-type: none"> • Find and position ordered pairs on the 4 quadrants of the coordinate plane, and analyze their positions to 	<p><u>English</u></p> <ul style="list-style-type: none"> • Demonstrate understanding of figurative language, word relationships and nuances in word meanings. • Write routinely over extended time 	<p><u>Literature</u></p> <ul style="list-style-type: none"> • Determine a theme or central idea of a text and how it is conveyed through particular details; provide a summary of the text distinct from personal 	<p><u>Science</u></p> <ul style="list-style-type: none"> • Plan and carry out investigations to investigate the nature of food and macronutrients. • Analyze and interpret data to explain population patterns. 	<p><u>Social Studies</u></p> <ul style="list-style-type: none"> • Identify how cultural and environmental characteristics vary among regions of the world. • Use questions generated about individuals and groups to analyze why they and the developments they

	<p>determine distances between points.</p> <ul style="list-style-type: none"> • Create and use ratio tables to find equivalent ratios • Find and compare unit rates and ratios • Evaluate percent equations • Solve equations with one or two steps for an unknown variable • Solve and graph 	<p>frames, and shorter time frames.</p> <ul style="list-style-type: none"> • Engage effectively in a range of collaborative discussions 	<p>opinions or judgments.</p> <ul style="list-style-type: none"> • Compare and contrast texts in different forms or genres. • Determine the meaning of words in text including figurative and connotative meaning. 	<ul style="list-style-type: none"> • Construct scientific explanations(claim , evidence, reasoning) showing the effects of population changes within a food web. 	<p>shaped, are seen as historically significant.</p> <ul style="list-style-type: none"> • Explain how humans and their environments affect one another. <p>Topics:</p> <ul style="list-style-type: none"> • Asia and the Americas • Southwest Asian Civilizations • Asia's Classical Age
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	inequalities with one step				
6th Grade Quarter 4	<u>Math</u> <ul style="list-style-type: none"> • Represent three-dimensional figures using nets made up of rectangles and triangles, and use the nets to determine the surface area of these figures. • Display numerical data in dot plots, histograms, and box plots 	<u>English</u> <ul style="list-style-type: none"> • With some guidance and support, develop and strengthen writing as needed by planning, revising, editing, rewriting. • Use technology, including the Internet, to produce and publish writing. • Produce clear and coherent writing in which the development, organization, and 	<u>Literature</u> <ul style="list-style-type: none"> • Integrate information presented in different media or formats. • Trace and evaluate the argument and specific claims in a text. 	<u>Science</u> <ul style="list-style-type: none"> • Plan and conduct investigations to study the formation and behaviors of different landforms. • Create, use, and revise models to explain the water and rock cycles. • Construct scientific explanations (claim, evidence, reasoning) to explain the formation and behavior of specific landforms 	<u>Social Studies</u> <ul style="list-style-type: none"> • Compare and contrast the cultural and environmental characteristics of different places or regions. • Evaluate how cultural and economic decisions influence environments and the daily lives of people in both nearby and distant places. • Use questions generated about individuals and groups to analyze why they and the

	<ul style="list-style-type: none"> • Determine measures of center including mean and median • Determine measures of variability including interquartile range 	<p>style are appropriate to task, purpose and audience.</p>		<p>in a case study in a national park.</p>	<p>developments they shaped, are seen as historically significant.</p> <p>Topics:</p> <ul style="list-style-type: none"> • The Ancient Greeks • The Ancient Romans • Europe after the Romans
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7th Grade

<p>7th Grade Quarter 1</p>	<p><u>Math</u></p> <ul style="list-style-type: none"> • Evaluate mathematical expressions involving 	<p><u>English</u></p> <ul style="list-style-type: none"> • Write a well-developed argument essay 	<p><u>Literature</u></p> <ul style="list-style-type: none"> • Determine and analyze central ideas and their 	<p><u>Science</u></p> <ul style="list-style-type: none"> • .Plan and carry out investigations to identify properties of substances and 	<p><u>Social Studies</u></p> <ul style="list-style-type: none"> • Create essential questions to help guide inquiry about a topic. Use
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	<p>positive and negative integers.</p> <ul style="list-style-type: none"> • Represent positive and negative integers on vertical and horizontal number lines. Utilize those representations to evaluate expressions. • Apply newly acquired skills with positive and negative whole number integers to positive and negative 	<p>using coherent language.</p> <ul style="list-style-type: none"> • Write an argument using several research sources to establish a sound opinion and present it orally using at least 2 different multimedia components. • Demonstrate the use of conventions, proper grammar, and word usage in writing of sentences and paragraphs. • Engage and share in discussions to reflect on students' work. 	<p>development over the extent of a text.</p> <ul style="list-style-type: none"> • Identify and read different genre and subgenre. • Cite pieces of textual evidence to analyze a text and infer their meaning. • Write narrative text including all the elements of fiction. • Engage in a large range of discussions in different settings. • How to write a well-constructed response to a literary question and a literary reflection. 	<p>how these properties can help distinguish between two or more substances.</p> <ul style="list-style-type: none"> • Create and use models to explain the particle nature of chemical and physical changes. • Create scientific explanations (Claim, Evidence, Reasoning) using experimental results and data revolving around the properties and behavior of matter. 	<p>questions to guide research.</p> <ul style="list-style-type: none"> • Determine sources representing multiple points of view that will assist in organizing a research plan. Use a variety of credible sources to research a topic. • Describe the roles of political, civil, and economic organizations in shaping people's lives. • Understand how government agencies affect our everyday lives.
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	decimals and fractions.	<ul style="list-style-type: none"> • Explain by usage the function of different types of clauses and sentences as it applies to student writing. • Determine correct grade- appropriate vocabulary to be used within any writing setting. • Engage in the effective use of the writing process, ie. editing, revising, etc. 			<u>Topics:</u> <ul style="list-style-type: none"> • Civil War and Reconstruction • Industrial Revolution • Gilded Age and Labor Unions • Turn of the Century
7th Grade Quarter 2	<u>Math</u> <ul style="list-style-type: none"> • Evaluate algebraic expressions utilizing 	<u>English</u> <ul style="list-style-type: none"> • Write a well-developed argument essay 	<u>Literature</u> <ul style="list-style-type: none"> • Analyze the interactions of characters and 	<u>Science</u> <ul style="list-style-type: none"> • Plan and carry out investigations to study different types of energies. 	<u>Social Studies</u> <ul style="list-style-type: none"> • Evaluate the powers and responsibilities of citizens, political

	<p>substitution and simplification.</p> <ul style="list-style-type: none"> • Solve one and two step equations for a variable. • Identify proportional relationships and test for equivalence. • Apply unit rates to slope, percentages, scale drawings, and other real world problems. • Change and identify equivalence 	<p>using coherent language.</p> <ul style="list-style-type: none"> • Write an argument using several research sources to establish a sound opinion and present it orally using at least 2 different multimedia components. • Demonstrate the use of conventions, proper grammar, and word usage in the writing of sentences and paragraphs. • Engage and share in discussions to reflect on students' work. • Explain by usage the function of 	<p>events within a text.</p> <ul style="list-style-type: none"> • Identify and analyze figurative language within different genres of text. • Produce clear and coherent narrative writing for appropriate tasks, purposes, and audiences. • Orally analyze main ideas and details of a text. • Write a well-constructed response to a literary question and /or a literary reflection 	<ul style="list-style-type: none"> • Create scientific explanations (claim, evidence, reasoning) to explain how different scenarios work in terms of energy transformation and conversion. • Create and use energy transformation and energy conversion models to explain how different scenarios are able to work. 	<p>parties, interest groups, and the media.</p> <ul style="list-style-type: none"> • Analyze how people affect government actions. • Explain multiple causes and effects of historical events. • Develop an understanding of how history shapes our country today. • Analyze how people's perspectives influenced what information is available in historical sources they created.
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	<p>between decimals, fractions, and percents.</p> <ul style="list-style-type: none"> • Develop graphs representing inequalities. • Apply skills acquired solving one and two step equations to solving one and two step inequalities. 	<p>different types of clauses and sentences as it applies to student writing.</p> <ul style="list-style-type: none"> • Determine correct grade- appropriate vocabulary to be used within any writing setting. • Engage in the effective use of the writing process, ie. editing, revising, etc. 			<ul style="list-style-type: none"> • Understand a person's life experiences influence how they share information. • Analyze how a problem can manifest itself and the challenges and opportunities faced by those trying to address it. • Understand how historical figures have shaped events. <p><u>Topics</u></p> <ul style="list-style-type: none"> • World War I • Roaring Twenties • Great Depression
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<p>7th Grade Quarter 3</p>	<p><u>Math</u></p> <ul style="list-style-type: none"> ● Analyze percent proportions and equations to identify the parts, wholes, and percents. ● Analyze and Evaluate problems involving percent change and simple interest. ● Apply new knowledge of percent change to real world applications of percent 	<p><u>English</u></p> <ul style="list-style-type: none"> ● Write informative essay using research to produce and publish writing. ● Write arguments to support claims and alternative claims with relevant support and a concluding statement. ● Write a research project using multiple sources. ● Demonstrate the use of conventions, proper grammar, and word usage in writing of 	<p><u>Literature</u></p> <ul style="list-style-type: none"> ● Evaluate how two or more authors write about the same topic. ● Compare and contrast different genres of fiction as a means to understand the theme and author's purpose. ● Research using several sources to answer the "big question." ● Write a well-constructed response to a literary question and/or a literary reflection. 	<p><u>Science</u></p> <ul style="list-style-type: none"> ● Create, use, and revise models to explain how the different weather components work together to create different weather scenarios. ● Plan and carry out investigations to explain various weather events. ● Create scientific explanations (Claim, Evidence, and Reasoning) to explain what makes the weather change. 	<p><u>Social Studies</u></p> <ul style="list-style-type: none"> ● Describe the origins, purposes, and impact of laws, treaties, and international agreements. ● Develop an understanding of how our country works and its place in the world. ● Describe how social movements in individual countries impact world events. ● Analyze connections among events and developments in broader historical
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	<p>discounts and markups</p> <ul style="list-style-type: none"> • Calculate and apply perimeters and areas of 2-dimensional figures to aide in problem solving. • Apply knowledge of areas and perimeters to complex figures in two dimensions 	<p>sentences and paragraphs.</p> <ul style="list-style-type: none"> • Engage and share in discussions to reflect on students' work. • Explain by usage the function of different types of clauses and sentences as it applies to student writing. • Determine correct grade- appropriate vocabulary to be used within any writing setting. • Engage in the effective use of the writing process, ie. editing, revising, etc. 			<p>contexts, such as the global economy.</p> <ul style="list-style-type: none"> • Understand events of the past have made our country what it is today. • Explain how humans and their environment affect one another. • Develop an understanding of everyday actions and the effect on the environment. <p><u>Topics</u></p> <ul style="list-style-type: none"> • World War II • Early Cold War
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<p>7th Grade Quarter 4</p>	<p><u>Math</u></p> <ul style="list-style-type: none"> ● Identify and use properties of geometric figures to apply to real world situations. ● Decompose complex shapes in order to calculate volumes and surface areas of 3-dimensional figures and 3-dimensional composite figures. ● Understand, utilize, and 	<p><u>English</u></p> <ul style="list-style-type: none"> ● Write a narrative with well-developed events and characters to engage the reader. ● Write informative essay using research to produce and publish writing. ● Demonstrate the use of conventions, proper grammar, and word usage in writing of sentences and paragraphs. ● Engage and share in discussions to reflect on students work. 	<p><u>Literature</u></p> <ul style="list-style-type: none"> ● Compare and contrast multimedia texts. ● Produce and publish writing collaborating with others and different sources about fiction and non-fiction selections. ● Included multimedia components to orally present the meaning within a text. ● Write a well-constructed response to a literary question 	<p><u>Science</u></p> <ul style="list-style-type: none"> ● Plan and carry out investigations to explain how different body organs and body systems work together to create energy for the body. ● Create scientific explanations (Claim, Evidence, and Reasoning) explaining where and how food is used in the body to create usable energy. ● Create and use models to explore different body 	<p><u>Social Studies</u></p> <ul style="list-style-type: none"> ● Analyze the power and limits of governments, public officials, and bureaucracies at different levels in the United States and other countries. ● Develop an understanding of how our government works and how it is different from other countries in the world. ● Evaluate employment, unemployment, inflation, total
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	<p>analyze probabilities.</p> <ul style="list-style-type: none"> • Extend proportional reasoning to similar shapes and scale drawings • Classify angles and angles in triangles • Use construction tools to recreate angles and polygons with precision 	<ul style="list-style-type: none"> • Explain by usage the function of different types of clauses and sentences as it applies to student writing. • Determine correct grade- appropriate vocabulary to be used within any writing setting. • Engage in the effective use of the writing process, ie. editing, revising, etc. 	<p>and a literary reflection.</p>	<p>processes that lead to the production and use of energy in the body.</p>	<p>production, income and economic growth data and how they affect different groups.</p> <ul style="list-style-type: none"> • Understand how education improves job opportunities and how economic decisions are made. • Determine whether specific rules and laws (both actual and proposed) resolve the problems they were meant to address. • Analyze the effectiveness of laws in relation to their intended
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					<p>outcome.</p> <p><u>Topics</u></p> <ul style="list-style-type: none"> • Cold War • The 1960s • Technological Revolution
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8th Grade

<p>8th Grade Quarter 1</p>	<p><u>Math</u></p> <ul style="list-style-type: none"> • Evaluate multi-step equations with variables on both sides and applying the distributive property • Apply understanding of 	<p><u>English</u></p> <ul style="list-style-type: none"> • Write arguments to support claims and alternative claims with relevant support and a concluding statement. • Write an argument using several research sources to establish a 	<p><u>Literature</u></p> <ul style="list-style-type: none"> • Determine and analyze central ideas and their development over the extent of a text. • Cite pieces of textual evidence to analyze a text and infer their meaning. 	<p><u>Science</u></p> <ul style="list-style-type: none"> • Construct apparatuses, test their effectiveness, and make adjustments to achieve certain constraints. • Develop and use models to explain plate boundaries and movements. 	<p><u>Social Studies</u></p> <ul style="list-style-type: none"> • Make inferences about historical events and eras using historical maps and other historical sources • Describe economic motivations that attracted Europeans and others to the Americas.
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	<p>transformations to be able to reflect, rotate, transform, and dilate figures in the coordinate plane</p> <ul style="list-style-type: none"> Analyze a finished transformation to determine possible combinations of transformations to get from one figure to its image Apply geometric properties in order to 	<p>sound opinion and present it orally using at least 2 different multimedia components.</p> <ul style="list-style-type: none"> Demonstrate the use of conventions, proper grammar, and word usage in writing of sentences and paragraphs. Engage and share in discussions to reflect on students work. Explain by usage the functions of verbs, verb shifts, and verbals as it applies to a student's writing. 	<ul style="list-style-type: none"> Write narrative text including all the elements of fiction. Engage in a large range of discussions in different settings. Write a well-constructed response to a literary question. Write a literary reflection. 	<ul style="list-style-type: none"> Analyze and interpret data to determine what is happening at certain case study sights. 	<ul style="list-style-type: none"> Describe characteristics of different kinds of communities in various sections of America during the colonial/frontier periods and the 19th Century. Explain relationships among the American economy and slavery, immigration, industrialization, labor and urbanization, 1700-present. <p>Topics:</p> <ul style="list-style-type: none"> The World before the Opening of the Atlantic New Empires in the
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	determine the angle measures of interior and exterior angles of polygons, and those formed with parallel lines and transversals	<ul style="list-style-type: none"> • Determine correct grade- appropriate vocabulary to be used within any writing setting. • Engage in the effective use of the writing process, ie. editing, revising, etc. 			Americas
8th Grade Quarter 2	<u>Math</u> <ul style="list-style-type: none"> • Identify relationships between linear graphs, charts, equations, and slope • Compare and contrast 	<u>English</u> <ul style="list-style-type: none"> • Write an argument essay organizing claims, reasons for the claim, and evidence. • Demonstrate the use of conventions, proper grammar, and word u 	<u>Literature</u> <ul style="list-style-type: none"> • Analyze the interactions of characters and events within a text. • Identify and analyze figurative language within 	<u>Science</u> <ul style="list-style-type: none"> • Analyze patterns and develop models of genetic inheritance. • Analyze and interpret data of evolutionary changes over time. 	<u>Social Studies</u> <ul style="list-style-type: none"> • Analyze historical influences on the development of political ideas and practices as enumerated in the Declaration of Independence, the

	<p>different representations of linear functions</p> <ul style="list-style-type: none"> Evaluate systems of equations using addition, substitution, and graphing 	<p>writing of sentences and paragraphs.</p> <ul style="list-style-type: none"> Engage and share in discussions to reflect on students work. Explain by usage the functions of verbs, verb shifts, and verbals as it applies to a student's writing. Determine correct grade- appropriate vocabulary to be used within any writing setting. Engage in the effective use of the writing process, ie. editing, revising, etc. 	<p>different genres of text.</p> <ul style="list-style-type: none"> Produce clear and coherent narrative writing for appropriate tasks, purposes, and audiences. Orally analyze main ideas and details of a text. Write a well-constructed response to a literary question. Write a literary reflection. 	<ul style="list-style-type: none"> Organize collected data into graphic representations. Apply knowledge of population change to current changes in the environment to explain phenomenon. 	<p>U.S. Constitution, the Bill of Rights and the IL Constitution.</p> <ul style="list-style-type: none"> Explain how and why the colonies fought for their independence and how the colonists' ideas are reflected in the Declaration of Independence and the U.S. Constitution. <p>Topics:</p> <ul style="list-style-type: none"> The English Colonies The American Revolution
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<p>8th Grade Quarter 3</p>	<p><u>Math</u></p> <ul style="list-style-type: none"> ● Interpret linear graphs, charts, equations, and slope to determine real world meanings ● Analyze whether a graph, equation, table, or word expression is a function ● Interpret and evaluate mathematical expressions involving square roots and cube roots 	<p><u>English</u></p> <ul style="list-style-type: none"> ● Write informative essay using research to produce and publish writing. ● Write a research project using multiple sources. ● Demonstrate the use of conventions, proper grammar, and word usage in writing of sentences and paragraphs. ● Engage and share in discussions to reflect on students work. ● Explain by usage the functions of 	<p><u>Literature</u></p> <ul style="list-style-type: none"> ● Evaluate how two or more authors write about the same topic. ● Compare and contrast works of fiction and non-fiction as a means to understand the theme and author's purpose. ● Research using several sources to answer the "big question." ● Write a well-constructed response to a literary question. 	<p><u>Science</u></p> <ul style="list-style-type: none"> ● Construct explanations describing anticipated movement of objects. ● Develop and use models of how objects interact with each other to help construct explanations describing how other things will move. ● Design, evaluate effectiveness, and modify contraptions to achieve a goal. 	<p><u>Social Studies</u></p> <ul style="list-style-type: none"> ● Federal and State Constitution ● Describe how U.S. political ideas and traditions were instituted in the Constitution and Bill of Rights. ● Explain how and why the colonists fought for their independence and how the colonists' ideas are reflected in the Declaration of Independence and the U.S. Constitution. Describe the way the Constitution has changed over time as a result of amendments and
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	<ul style="list-style-type: none"> • Apply the Pythagorean Theorem in 2 and 3 dimensions • Evaluate the volume of cylinders, cones, and spheres • Decompose composite figures in order to evaluate volume of complex solids • Use properties of similar solids to find missing measurements 	<p>verbs, verb shifts, and verbals as it applies to a student's writing.</p> <ul style="list-style-type: none"> • Determine correct grade- appropriate vocabulary to be used within any writing setting. • Engage in the effective use of the writing process, ie. editing, revising, etc. 	<ul style="list-style-type: none"> • Write a literary reflection. 		<p>Supreme Court decisions.</p> <p>Topics:</p> <ul style="list-style-type: none"> • Federal and State Constitution
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<p>8th Grade Quarter 4</p>	<p><u>Math</u></p> <ul style="list-style-type: none"> ● Interpret and evaluate mathematical expressions using the properties of integer exponents including negative and zero exponents ● Analyze whether a number is correctly written in scientific notation ● Represent very large and very small numbers 	<p><u>English</u></p> <ul style="list-style-type: none"> ● Write a narrative with well-developed events and characters to engage the reader. ● Demonstrate the use of conventions, proper grammar, and word usage in writing of sentences and paragraphs. ● Engage and share in discussions to reflect on students work. ● Explain by usage the functions of verbs, verb shifts, and verbals as it 	<p><u>Literature</u></p> <ul style="list-style-type: none"> ● Compare and contrast multimedia texts of same topic. ● Produce and publish writing collaborating with others and different sources about fiction and non-fiction selections. ● Included multimedia components to orally present the meaning within a text. ● Write a well-constructed 	<p><u>Science</u></p> <ul style="list-style-type: none"> ● Evaluate experimental designs and modify in order to collect valid data. ● Analyze and interpret data from controlled situations and apply it to things we cannot easily view. (physically burning food in a classroom as it relates to cells burning food for energy) ● Develop and use models of energy and matter transfer 	<p><u>Social Studies</u></p> <ul style="list-style-type: none"> ● Describe how early settlers in IL and the U.S. adapted to, used, and changed the environment prior to 1818. ● Describe how different groups competed for power within the colonies and how that competition led to the development of political institutions during the early national period. ● Describe ways in which the U.S. developed as a world political power. ● Describe how the largely rural
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	<p>in scientific notation and scientific notation to standard form</p> <ul style="list-style-type: none"> • Add, subtract, multiply, and divide expressions using scientific notation and then simplify the result • Construct and interpret scatter plots • Estimate lines of best fit on scatter plots 	<p>applies to a student's writing.</p> <ul style="list-style-type: none"> • Determine correct grade- appropriate vocabulary to be used within any writing setting. • Engage in the effective use of the writing process, ie. editing, revising, etc. 	<p>response to a literary question.</p> <ul style="list-style-type: none"> • Write a literary reflection. 	<p>within the world and bodies.</p> <ul style="list-style-type: none"> • Design apparatuses to meet varying constraints and achieve desired outcomes. 	<p>population of the U.S. adapted, used, and changed the environment after 1818.</p> <ul style="list-style-type: none"> • Explain relationships among the American economy and slavery, immigration, industrialization, labor and urbanization, 1700-present. <p>Topics:</p> <ul style="list-style-type: none"> • IL Constitution • Launching the Nation
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	<ul style="list-style-type: none"> • Construct and interpret two way tables 				
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Junior High Specials

JH Specials Quarter 1	<u>Current Events</u> <ul style="list-style-type: none"> • Identify and explore re-occurring/long term current events. • Read and analyze events and articles as guided by UpFront weekly magazine and web content. 	<u>Art</u> <ul style="list-style-type: none"> • 6: Formulate an artistic investigation of personally relevant content for creating art. • 7: Apply methods to overcome creative blocks. • 8: Select, organize and design images to make 	<u>Chorus</u> <ul style="list-style-type: none"> • Analyze, discuss and apply proper breathing techniques and vocal tone production to in-class singing • Analyze and discuss the success of simple rhythmic sight reading 	<u>Band</u> <ul style="list-style-type: none"> • Analyze and discuss the success of simple rhythmic sight reading performances as a group • Successfully perform several major scales with various simple
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		visually clear presentations.	performances as a group <ul style="list-style-type: none"> • Critique individual and group progress on fall choral literature and vocal techniques, making suggestions for improvement 	rhythmic patterns <ul style="list-style-type: none"> • Successfully apply knowledge of rhythmic notation to performance of fall band music
JH Specials Quarter 2	<u>Current Events</u> <ul style="list-style-type: none"> • Revisit and track trending and ongoing events and stories in the news around the world. • Identify new events and adjust accordingly to address events as they occur. 	<u>Art</u> <ul style="list-style-type: none"> • 6: Continue to build upon formulating an artistic investigation of personally relevant content. • 7: Develop criteria to guide making a work of art or design to meet and identified goal. • 8: Demonstrate willingness to experiment, innovate and take risks to pursue ideas, forms and meanings 	<u>Chorus</u> <ul style="list-style-type: none"> • Analyze, discuss and apply dynamics and proper diction to preparation of fall and winter choral music • As a class, discover, discuss and apply concepts of “concert preparedness” while prepping for winter concert performance • Critique individual and 	<u>Band</u> <ul style="list-style-type: none"> • Analyze, discuss and apply dynamics and articulation markings to preparation of fall and winter band music • As a class, discover, discuss and apply concepts of “concert preparedness” while prepping for winter concert performance • Critique individual and

		that emerge in the process of art making.	group progress on choral literature, making suggestions for improvement	group progress on band literature, making suggestions for improvement
JH Specials Quarter 3	<u>Current Events</u> <ul style="list-style-type: none"> Identify and explore re-occurring/long term current events. Read and analyze events and articles as guided by UpFront weekly magazine and web content. 	<u>Art</u> <ul style="list-style-type: none"> 6: Demonstrate openness in trying new ideas, materials, methods and approaches in making works of art. 7: Demonstrate persistence in developing skills with various materials, methods and approaches in creating works of art. 8: Apply relevant criteria to examine, reflect on and plan revisions for a work of art or design in progress. 	<u>Chorus</u> <ul style="list-style-type: none"> Analyze, discuss and apply simple musical terms and symbols to preparation of solo and ensemble music Analyze and discuss the success of simple five - note melodic sight reading performances as a group and individually Research the meaning behind the text in a song and use musical concepts to attempt to convey that message 	<u>Band</u> <ul style="list-style-type: none"> Collaborate with other class members to choose, practice and perfect a small ensemble piece Analyze, discuss and apply simple musical terms and symbols to preparation of solo and ensemble music Critique individual and group progress on band literature, making suggestions for improvement

			<p>to an audience while prepping for solo and ensemble contest performances</p> <ul style="list-style-type: none"> ● Critique individual and group progress on choral literature, making suggestions for improvement 	
<p>JH Specials Quarter 4</p>	<p><u>Current Events</u></p> <ul style="list-style-type: none"> ● Revisit and track trending and ongoing events and stories in the news around the world. ● Identify new events and adjust accordingly to address events as they occur. 	<p><u>Art</u></p> <ul style="list-style-type: none"> ● 6: Continue to demonstrate openness in trying new ideas, materials, methods and approaches in making works of art. ● 7: Continue to demonstrate persistence in developing skills with various materials, methods and approaches in creating works of art. 	<p><u>Chorus</u></p> <ul style="list-style-type: none"> ● Analyze, discuss and apply knowledge of terms and symbols in preparation of spring choral music ● As a class, discover, discuss and apply concepts of “concert preparedness” while prepping for spring concert performance 	<p><u>Band</u></p> <ul style="list-style-type: none"> ● Analyze, discuss and apply knowledge of terms and symbols in preparation of spring band music ● As a class, discover, discuss and apply concepts of “concert preparedness” while prepping for spring concert performance

		<ul style="list-style-type: none"> • 8: Continue to reflect on works of art and experiment with meanings behind the art making process. 	<ul style="list-style-type: none"> • Critique individual and group progress on choral literature, making suggestions for improvement 	<ul style="list-style-type: none"> • Critique individual and group progress on choral literature, making suggestions for improvement
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Jr. High Industrial Technology 6-8

Quarters 1,2,3,4	<ul style="list-style-type: none"> • Demonstrate the Engineering Design Process • Basic understanding of Machine Safety/Material Processing • Basic understanding of Mechanical / Power Energy Technology • Create and produce a product using 3D imaging, 3D printing and laser cutting technology. • Career exploration in preparation for a possible career path.
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High School

Organized by subject

Mathematics

Standards for Mathematical Practice: Throughout the semester these standards will be continually reinforced:

1. Make sense of problems and persevere in solving them;
2. Construct viable arguments and critique the reasoning of others;
3. Reason abstractly and quantitatively;
4. Model with mathematics;
5. Attend to precision;
6. Use appropriate tools strategically;
7. Look for and make use of structure;
8. Look for and express regularity in repeated reasoning

Algebra I

Quarter 1	<ul style="list-style-type: none">• Variables, Functions Patterns, & Graphs• Rational Numbers• Solving Equations
Quarter 2	<ul style="list-style-type: none">• Solving Inequalities• Graphs & Functions• Linear Equations & Their Graphs
Quarter 3	<ul style="list-style-type: none">• Systems of Equations & Inequalities• Exponents & Exponential Functions• Polynomials & Factoring
Quarter 4	<ul style="list-style-type: none">• Quadratic Equations & Functions• Radical Expressions & Equations• Rational Expressions & Functions

Geometry

Quarter 1	<ul style="list-style-type: none">● Tools of Geometry<ul style="list-style-type: none">- Using inductive reasoning- Identifying the properties of the coordinate plane, points, lines & planes.● Reasoning & Proof<ul style="list-style-type: none">- Identifying conditional statements & their components and converses.- Understanding the basic construction of a geometric proof.● Parallel & Perpendicular Lines<ul style="list-style-type: none">- Understanding relationships between parallel lines and transversals- Using angle measures to make conclusions about line relationships- Identifying qualities of perpendicular intersections
Quarter 2	<ul style="list-style-type: none">● Congruent Triangles<ul style="list-style-type: none">- Identifying qualities of congruent triangles.- Comparing components of triangles to analyze congruency.● Relationships Within Triangles<ul style="list-style-type: none">- Using ratios to find unknown quantities of triangles.● Quadrilaterals<ul style="list-style-type: none">- Identifying similarities and differences in quadrilaterals.

Quarter 3	<ul style="list-style-type: none">● Similarity<ul style="list-style-type: none">- Understanding qualities of similar figures.- Solving unknowns in similar figures.● Right Triangles & Trigonometry<ul style="list-style-type: none">- Identifying components of right triangles.- Understanding the relationships within right triangles.- Using trigonometric ratios to solve for unknown values.● Transformations<ul style="list-style-type: none">- Using transformations on the coordinate plane
Quarter 4	<ul style="list-style-type: none">● Area<ul style="list-style-type: none">- Understanding the relationship between relationships between dimension lengths and area.● Surface Area & Volume<ul style="list-style-type: none">- Finding surface area and volume of three dimensional figures.● Circles<ul style="list-style-type: none">- Identifying qualities and components of circles.- Using relationships within circles to solve for unknown values.

Algebra II

Quarter 1	<ul style="list-style-type: none">● Use property of numbers to solve equations, equalities, and absolute value equations● Model, apply, and solve equations using real world scenarios● Be able to represent functions in linear graph form● Apply and understand parts of linear functions and how they affect graphs● Able to solve linear systems to find three variable
Quarter 2	<ul style="list-style-type: none">● Represent and solve a system of linear equations using a matrix● Be able to foil and unfoil quadratic equations● Apply properties of quadratics to parabolas● Be able to extend knowledge of real properties of quadratics to complex and imaginary solutions
Quarter 3	<ul style="list-style-type: none">● Understand polynomial theorems and how to use them to solve for real and complex solutions● Use the binomial theorem to solve polynomials above● Understand number theory to simplify radical expressions● Simplify expressions using math operations● Understand the relationship between radicals and exponents and how to convert between the two

Quarter 4	<ul style="list-style-type: none"> ● Understand and apply rational expressions, equations, and functions ● Apply understanding of parabolas from earlier in the year to other conic sections and how they have similarities and differences ● Introduction to trig properties and unit circle - Be able to understand and convert between radian and degrees and understand and apply the difference between the two ● Apply number properties to series and sequences of numbers
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Math/PreCalculus

Quarter 1	<ul style="list-style-type: none"> ● Analyze the twelve basic function models & relate them to their properties; ● Build functions to solve problems, including composite & inverse functions as well as parametric relations; ● Use graphical transformations of function models to solve problems;
Quarter 2	<ul style="list-style-type: none"> ● Interpret or create numeric, algebraic, & graphic models for linear & quadratic functions; ● Interpret or create numeric, algebraic, & graphic models for power functions & polynomial functions; ● Use function models to solve applied problems.
Quarter 3	<ul style="list-style-type: none"> ● Solve polynomial functions of varying degrees for real & complex zeros; ● Use algebraic or graphic models of rational functions to solve problems with rational equations; ● Interpret or create numeric, algebraic, & graphical models of exponential, logistic, & logarithmic functions; ● Solve inequalities in one variable by using sign charts.

Quarter 4	<ul style="list-style-type: none"> ● Use matrices (and vectors) to solve problems ● Solve systems of inequalities in two variables, including linear programming problems; ● Interpret or create algebraic & graphical models of conic sections, including circles, ellipses, parabolas, & hyperbolas; ● Relate graphical transformations of conic sections to their algebraic models.
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Math/Statistics

Quarter 1	<ul style="list-style-type: none"> ● Interpret Categorical & Quantitative Data ● Summarize, represent, and interpret data on a single count or measurement variable ● Summarize, represent, and interpret data on two categorical and quantitative variables ● Interpret linear models ● Make Inferences & Justifying Conclusions ● Understand and evaluate random processes underlying statistical experiments ● Make inferences and justify conclusions from sample surveys, experiments, and observational studies
Quarter 2	<ul style="list-style-type: none"> ● Use Conditional Probability & Rules of Probability ● Understand independence and conditional probability and use them to interpret data ● Use the rules of probability to compute probabilities of compound events. ● Use Probability to Make Decisions ● Calculate expected values and use them to solve problems ● Use probability to evaluate outcomes of decisions

Math/Trigonometry

Quarter 3	<ul style="list-style-type: none">• Define concept of angle measure & use to solve problems involving circles;• Define 6 trigonometric functions & use them to solve problems;• Extend the domain of trigonometric functions using the unit circle.• Relate trigonometric functions to their graphs;• Use sinusoidal curve fitting to model & solve problems.
Quarter 4	<ul style="list-style-type: none">• Define 6 inverse trigonometric angles & use them to solve problems.• Prove and apply trigonometric identities• Solve problems involving triangles by using trigonometric functions;• Model periodic phenomena with trigonometric functions.

English

English 1

<p>Quarter 1</p> <p>Of Mice and Men</p> <p>Short Stories</p> <p>Personal Narrative</p>	<ul style="list-style-type: none"> ● Identify main ideas and details in literary text ● Summarize literary text ● Make inferences and predictions based on evidence from a text ● Analyze the influence of history and culture on a literary text ● Analyze the development of themes and apply to real life ● Analyze various aspects of literature, forming opinions and using evidence from the text to support ● Create a writing piece using plot and narrative devices to engage the reader
<p>Quarter 2</p> <p>Parts of Speech</p> <p>Romeo & Juliet</p> <p>Phrases & Sentences</p> <p>Informative Writing & Presentation</p>	<ul style="list-style-type: none"> ● Identify main ideas and details in literary and non-fiction text ● Summarize literary and non-fiction text ● Make inferences and predictions based on evidence from a text ● Analyze the development of themes and apply to real life ● Analyze character development ● Compare and contrast characters, settings and themes across various texts ● Analyze use of dramatic devices to convey meaning ● Identify the parts of speech and their functions ● Create a “slang dictionary” categorizing words by part of speech ● Identify phrases, clauses and sentences ● Compose complete sentences ● Speak to effectively inform an audience

	<ul style="list-style-type: none"> ● Create a writing piece to effectively inform a reader
<p>Quarter 3</p> <p>Research Paper</p> <p>Lord of the Flies</p> <p>Literary Analysis</p>	<ul style="list-style-type: none"> ● Identify main ideas and details in literary and non-fiction text ● Summarize literary and non-fiction text ● Make inferences and predictions based on evidence from a text ● Analyze the development of themes and apply to real life ● Analyze character development ● Compare and contrast characters, settings and themes across various texts ● Create a writing piece analyzing an aspect of literature, constructing an argument and using evidence from the text to support ● Create a writing piece by researching a topic and synthesizing information from a variety of sources

Quarter 4	<ul style="list-style-type: none">● Write using correct and consistent verb tense● Write with subjects and verbs in agreement● Create a writing piece by constructing an argument and citing evidence from a text● Identify main ideas and details in literary and non-fiction text● Summarize literary and non-fiction text● Make inferences and predictions based on evidence from a text● Analyze the development of themes and apply to real life● Analyze character development● Compare and contrast characters, settings and themes across various texts● Analyze use of poetic devices to convey meaning
Verb Tense/	
Subject-Verb Agreement	
Argumentative Writing	
Fahrenheit 451	
Select poetry	
Select non-fiction	

English 2

<p>Quarter 1 Short Stories Analysis</p> <p>Vocab and Literary Devices</p> <p>Narratives and Creative writing</p>	<ul style="list-style-type: none">● Create writing using plot and narrative devices in a logical way● Clarify meanings of new words or words with multiple meanings● Demonstrate an understanding of figurative language
<p>Quarter 2 Anthem novel study</p> <p>Career Research</p> <p>Short Stories Analysis</p>	<ul style="list-style-type: none">● Write an effective informational piece using clear introductions, claims/ evidence, conclusions, and formal language.● Present gathered information effectively and logically● Use MLA format● Use planned drafting and revision methods● Conduct a thorough research project

Semester Projects	
<p>Quarter 3</p> <p>Short Stories</p> <p>Analysis</p> <p>A Lesson Before Dying novel study</p> <p>Debate Unit</p>	<ul style="list-style-type: none"> ● Write an effective argument using clear introductions, claims/ evidence, conclusions, and formal language. ● Demonstrate an understanding of figurative language ● Evaluate evidence in an argumentative text ● Analyze historical US documents ● Evaluate a speaker's POV
<p>Quarter 4</p> <p>Literary Analysis</p> <p>Research</p> <p>Short Stories</p> <p>Analysis</p> <p>Plays and Greek Lit</p> <p>Semester Projects</p>	<ul style="list-style-type: none"> ● Present gathered information effectively and logically ● Use MLA format ● Use planned drafting and revision methods ● Conduct a thorough research project ● Evaluate a speaker's POV

English III American Literature

Semester 1	<p data-bbox="422 277 856 302">Literary Periods and Specific Authors</p> <ul data-bbox="468 315 1887 626" style="list-style-type: none"><li data-bbox="468 315 1887 375">● Identify characteristics of the forms of the following: creation myth, trickster tale, folk tale, memoir, historical narrative, drama, and autobiography<li data-bbox="468 386 1887 446">● Identify and analyze historic influences on the development of American literature through colonization and religious movements<li data-bbox="468 457 1409 482">● Understand the revolutionary period and the Enlightenment and its influence<li data-bbox="468 493 1079 518">● Understand romanticism as a literary movement<li data-bbox="468 529 968 553">● Identify elements of transcendentalism<li data-bbox="468 565 1031 589">● Identify and analyze satire as used by Irving<li data-bbox="468 600 1104 625">● Identify and analyze unity of effect as used by Poe <p data-bbox="422 667 579 691">Text Analysis</p> <ul data-bbox="468 704 1339 945" style="list-style-type: none"><li data-bbox="468 704 1188 729">● Analyze historical context; analyze cultural characteristics<li data-bbox="468 740 1339 764">● Analyze historically important speeches, public documents, and letters<li data-bbox="468 776 1297 800">● Analyze themes; analyze the author's purpose; analyze characters<li data-bbox="468 812 1297 836">● Analyze diction and tone; analyze imagery and figurative language<li data-bbox="468 847 1073 872">● Analyze and evaluate elements of an argument<li data-bbox="468 883 1146 907">● Analyze persuasive techniques and rhetorical devices<li data-bbox="468 919 968 943">● Analyze and evaluate primary sources
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- Analyze various structural patterns
- Synthesize ideas and connect texts
- Identify and analyze blank verse
- Identify and analyze stanza, rhyme scheme, and meter in poetry
- Identify and analyze sound devices and imagery
- Interpret symbol and allegory
- Identify and analyze satire and unity of effect
- Analyze elements of an essay
- Determine an author's point of view or purpose; analyze style and content
- Identify and analyze literary elements, including tone, theme, diction, voice, irony, imagery, setting, and character development

Reading

- Develop strategies for reading older texts
- Develop comprehension monitoring skills
- Paraphrase main ideas; summarize information; make inferences
- Clarify meanings; examine complex sentences

Writing and Language

- Create a multimedia presentation
- Write an argumentative essay

- Use prepositional phrases and adverb clauses as modifiers
- Understand and use compound and compound-complex sentences
- Write a short story
- Use rhetorical questions
- Identify and use parallelism and adjective clauses
- Use imperative sentences and dashes

Speaking and Listening, Media and Viewing

- Interpret and evaluate information presented in media and illustrations
- Analyze and evaluate persuasive techniques in print advertising
- Analyze how media messages reflect cultural views and influence cultural values and stereotypes
- Analyze how words, images, graphics, and sound impact meaning
- Evaluate film techniques; evaluate multiple interpretations of a play
- Dramatize a script
- Evaluate the interactions of different techniques used in media
- Evaluate how meaning is conveyed in visual media

Vocabulary

- Determine the meaning of multiple-meaning words
- Understand and use specialized vocabulary
- Use knowledge of word roots and affixes to determine word meaning

- Research word origins

Technology

- Set learning goals, develop strategies using technology, reflecting on learning
- Customize learning environment to support the learning process
- Seek feedback to inform and improve their practice and demonstrate learning in a variety of ways
- Understand fundamental concepts of current educational technology
- Demonstrate an understanding of and respect for the rights and obligations of using and sharing intellectual property
- Plan and employ effective research strategies to locate reliable information and other resources

Semester 2

Literary Periods and Specific Authors

- Understand and analyze the historical and cultural contexts of romanticism, realism, regionalism, naturalism, the Harlem Renaissance, and modernism as literary movements
- Analyze the styles of Whitman, Dickinson, Fitzgerald, Lee, Frost, and Hemingway
- Understand and analyze the historical and cultural context of contemporary literature
- Analyze the effects of conflict and division on the development of literary styles

Text Analysis

- Analyze and evaluate free verse
- Analyze elements of style, including tone, sentence structure, figurative language, and dialogue
- Analyze narrative elements, including theme, structure, conflict, and characterization
- Evaluate the structure and reasoning used in a work
- Analyze descriptive language, including imagery, repetition, and diction
- Identify and analyze literary elements:
 - Setting, plot, conflict, diction, voice, mood, irony, imagery, and character development
- Analyze irony, hyperbole, paradox, understatement, and interpret rhetorical techniques in literature
- Identify and analyze an author's viewpoint, purpose, and perspective
- Analyze how an author's choice of genre or text structure affects the expression of a theme or topic
- Identify and analyze rhyme scheme in poetry
- Analyze and interpret modern, narrative, and imagist poetry
- Distinguish literal from figurative meaning
- Identify and interpret allusions

- Identify and analyze tone, imagery, voice, personification, and sound devices
- Analyze primary and secondary source documents
- Analyze and trace elements of an argument, including claim, reasons, evidence, and counterargument
- Identify faulty reasoning, including circular logic and non-sequiturs
- Make inferences about theme, genre, structure, and elements of drama in different cultural and historical contexts

Reading

- Take notes; synthesize information
- Make inferences and draw conclusions about characters
- Identify and evaluate main ideas and supporting details
- Analyze inductive and deductive reasoning

Writing and Language

- Make effective word choices; use vivid verbs
- Write an informative article
- Write an analytical essay
- Use gerunds and gerund phrases
- Use passive and active voice effectively
- Craft effective sentences by using vivid language, phrases, and coordinating conjunctions
- Use word choice, sentence structure, and tone to establish voice
- Use word choice, imagery, and tone to create mood
- Write a research paper

- Decide on a topic, plan research, find and evaluate relevant sources
- Identify and analyze bias
- Use effective note taking skills; avoid plagiarism
- Use MLA 8th edition formatting in research papers and other written works
- Proofread writing to correct convention and stylistic errors
- Edit content to produce a balanced, polished final work

Speaking and Listening, Media and Viewing

- Analyze an argument in a newspaper article
- Compare and contrast perspectives in news reports, articles, and other informational sources
- Identify and analyze bias in fictional works
- Compare and contrast print and film versions of a work
- Maintain an online feature article
- Interpret and evaluate messages in photography and fine art
- Create a visual representation

Vocabulary

- Use knowledge of Latin and Greek roots to understand word meaning
- Discriminate between connotative and denotative meanings of words
- Use context clues to determine shades of meanings and the meanings of idioms
- Read and understand analogies

- Use a thesaurus to find precise words and understand nuances of words
- Library skills and terms
- Internet terms and research aids and sources

Technology

- Plan and employ effective research strategies to locate reliable information and other resources online
- Evaluate the accuracy, perspective, credibility, and relevance of information, media, data, or other resources
- Select and use digital tools to assist in learning and produce products to support learning using higher-level strategies and methods
- Break problems or projects into component parts, extract key information, research solutions and additions, develop original and creative projects to demonstrate learning
- Choose the appropriate platforms and tools for meeting the desired objectives of creation or communication
- Publish and/or present content to customize the message and medium for intended audiences
- Use digital tools to connect with other learners and collaborate and engage in ways to broaden mutual understanding and learning
- Use collaborative technologies to work with others, give and receive constructive feedback, examine issues and problems from multiple viewpoints, and reach a consensus to produce a viable group product
- Contribute constructively to project teams, assume various roles and responsibilities to work effectively toward a common goal

English 4-ENG 099

<p>Quarter 1 (ENG 099) Read Think Write Text Mywritinglab Exercises Summary Writing</p>	<ul style="list-style-type: none">• Understand the various phases of the reading process• Utilize strategies to increase focus and concentration while reading• Analyze various meanings of vocabulary• Identify stated main ideas in a text• Identify implied main ideas in a text• Summarize and outline text• Analyze the organization of a text• Make inferences and predictions based on evidence from a text• Understand the various phases of the writing process• Understand and identify types of essays• Write cohesive paragraphs• Paraphrase information from a text
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<p>Quarter 2 (ENG 099)</p> <p>Read Think Write Text</p> <p>Mywritinglab Exercises</p> <p>Informative/ Definition Paper</p> <p>Compare/ Contrast Paper</p>	<ul style="list-style-type: none">● Analyze denotative and connotative meanings● Analyze and differentiate between stated and implied main ideas● Derive vocabulary meanings from context using context clues and word parts● Build an extended vocabulary● Analyze verb forms, uses and problems● Utilize MLA citations and works cited to avoid plagiarism● Create a writing piece analyzing a term or topic and synthesizing the information in an organized format.● Create a writing piece comparing and contrasting two elements
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<p>Quarter 3</p> <p><i>Beowulf</i></p> <p>Personal Narrative</p> <p><i>Frankenstein</i></p> <p>Argumentative Writing</p>	<ul style="list-style-type: none"> ● Identify main ideas and details in literary text ● Summarize literary text ● Make inferences and predictions based on evidence from a text ● Analyze the development of themes and apply to real life ● Analyze character development ● Compare and contrast characters, settings and themes across various texts ● Compose a creative and engaging narrative writing piece utilizing effective strategies ● Create a writing piece analyzing an aspect of literature, constructing an argument and using evidence from the text to support
<p>Quarter 4</p> <p>Job/Career Unit</p> <p>Research Paper</p> <p>Poetry</p>	<ul style="list-style-type: none"> ● Create an effective cover letter and resume for employment ● Research a topic and synthesize information from a variety of sources ● Create a writing piece by researching a topic and synthesizing information from a variety of sources ● Identify main ideas and details in literary and non-fiction text ● Summarize literary and non-fiction text ● Analyze the development of themes and apply to real life ● Analyze the form and style of various types of poetry

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| | <ul style="list-style-type: none">• Compare and contrast literary pieces with similar themes |
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Foreign Language

HS French

Quarter 1	<ul style="list-style-type: none">• Listening comprehension• Reading comprehension• Intercultural competence• Basic Phrases• Basic Vocabulary
Quarter 2	<ul style="list-style-type: none">• Listening comprehension• Reading comprehension• Intercultural competence• Basic Sentence Structures• Basic Vocabulary

Quarter 3	<ul style="list-style-type: none"> ● Listening & reading comprehension ● Increased focus on written production ● Intercultural competence ● Basic Sentence Structures ● Basic Vocabulary
Quarter 4	<ul style="list-style-type: none"> ● Listening & reading comprehension ● Small amount of free voluntary reading ● Written production ● Increased focus on oral production (speaking) ● Communicative competence

HS/Spanish

Quarter 1	<ul style="list-style-type: none"> ● Listening comprehension ● Reading comprehension ● Intercultural competence
Quarter 2	<ul style="list-style-type: none"> ● Listening comprehension ● Reading comprehension

	<ul style="list-style-type: none"> • Intercultural competence
Quarter 3	<ul style="list-style-type: none"> • Listening & reading comprehension • Begin small amount of free voluntary reading (FVR) to boost acquisition of high-frequency structures • Increased focus on written production • Intercultural competence
Quarter 4	<ul style="list-style-type: none"> • Listening & reading comprehension • Small amount of free voluntary reading • Written production • Increased focus on oral production (speaking) • Communicative competence

Science

Biology

Quarter 1	<ul style="list-style-type: none">● Explain how microscopy has advanced the last 300 years and how it has benefited medical science.● Create a bubble diagram utilizing the 4 concepts of the nature of science and explain why they are important when studying science● When shown a photo of an object, utilizing the characteristics of life, explain why it is or is not a living organism
Quarter 2	<ul style="list-style-type: none">● Explain with examples how biology and chemistry are directly related● Differentiate between the structures of prokaryotic and eukaryotic cells and how they function● Develop a model demonstrating how homeostasis is essential for a living organism● Differentiate between active and passive transport and their subdivisions
Quarter 3	<ul style="list-style-type: none">● Differentiate between cellular respiration and fermentation and the total ATP's produced by each process, including when each process is likely to occur● Diagram the process of photosynthesis from the collecting of photon energy to the production of carbohydrates● Create models of a food web and food chain and explain how they are different● Create diagrams of mitosis and meiosis and explain how the phases are different in each● Create a protein utilizing the appropriate amino acids

Quarter 4

- Conduct a lab experiment analyzing the genetic trait of lactose intolerance in human evolution
- Research a randomly chosen dinosaur and create a poster with drawing and explaining how it lived in its environment
- Research and analyze updated information on how humans have impacted our environment as it relates to climate change

Integrated Physical Science

Quarter 1

- Identify the steps scientists often use to solve problems.
- Analyze data using various types of tables and graphs.
- Solve quantitative problems mathematically.
- Use the SI system of measurement in all phases of their work in science.
- Apply Newton's laws to solve motion problems.
- Use several laboratory tools to explore various physics phenomena.

Topics:

- The Nature of Science
- Motion & Speed
- Forces
- Types of Energy

Quarter 2

- Explain the phenomena of sound in terms of production, propagation, and perception.
- Explain several phenomena of light.
- Demonstrate an understanding of the law of electricity and magnetism.
- Solve quantitative problems mathematically.
- Use the SI system of measurement in all phases of their work in science.
- Apply the conservation laws to explain how energy, mass, momentum, and charge stay constant in a system.
- Use several laboratory tools to explore various physics phenomena.

Topics:

- Energy
- Work and Machines
- Thermal Energy
- Electricity
- Magnetism
- Waves
- Sound
- Light
- Mirrors and Lenses

Quarter 3

- Explain the structure, properties, and interactions of matter
- Use the periodic table as a model to predict the relative properties of elements based on the patterns of electrons in the outermost energy level of atoms.
- Construct and revise an explanation for the outcome of a simple chemical reaction based on the outermost electron states of atoms, trends in the periodic table, and knowledge of the patterns of chemical properties.
- Develop a model to illustrate that the release or absorption of energy from a chemical reaction system depends upon the changes in total bond energy.
- Use mathematical representations to support the claim that atoms, and therefore mass, are conserved during a chemical reaction.
- Use several laboratory tools to explore various chemistry phenomena.
- Use the SI system of measurement in all phases of their work in science.

Topics:

- Solids, Liquids, and Gases
- Classification of Matter
- Elements and Their Properties
- Properties of Atoms and the Periodic Table
- Chemical Bonds
- Chemical Reactions
- Acids, Bases, and Salts

Quarter 4

- Describe the universe and determine the Earth's place in it.
- Indicate how the Earth is constantly changing and postulate why the changes are occurring.
- Relate the Earth's surface processes to human activity.
- Analyze a major global challenge to specify qualitative and quantitative criteria and constraints for solutions that account for societal needs and wants.
- Design a solution to a complex real-world problem by breaking it down into smaller, more manageable problems that can be solved through engineering.
- Evaluate a solution to a complex real-world problem based on prioritized criteria and trade-offs that account for a range of constraints, including cost, safety, reliability, and aesthetics, as well as possible social, cultural, and environmental impacts.
- Use a computer simulation to model the impact of proposed solutions to a complex real-world problem with numerous criteria and constraints on interactions within and between systems relevant to the problem.
- Use several laboratory tools to explore various chemistry phenomena.

Topics:

- Earth System Evolution
- Earth's Dynamic Geosphere
- Earth's Natural Resources
- Understanding Your Environment
- Earth's Fluid Spheres

Environmental Science

Quarter 1	<ul style="list-style-type: none">● Ecology, Recycling Matter, Biogeochemical Cycles● Evaluate the evidence and reasoning that ecosystems are complex and species are closely connected with each other● Use math to support claims for the cycling of matter and flow of energy among organisms in an ecosystem● Develop a model to illustrate the role of photosynthesis and cellular respiration in the cycling of carbon● Design a solution for reducing the impacts of human activities on the environment and biodiversity
Quarter 2	<ul style="list-style-type: none">● Biomes, Communities & Populations● Use math to support evidence about factors affecting biodiversity and populations in ecosystems● Construct an explanation for the cycling of matter and flow of energy in aerobic and anaerobic conditions.● Use math to support explanations of factors that affect carrying capacity of ecosystems● Evaluate the evidence for the role of group behavior on species' chances to survive
Quarter 3	<ul style="list-style-type: none">● Human Population, Biodiversity, Water Use & Management● Use math to support explanations of factors that affect carrying capacity of ecosystems● Use math to support evidence about factors affecting biodiversity and populations in ecosystems● Design a solution for reducing the impacts of human activities on the environment and biodiversity● Evaluate the evidence for the role of group behavior on species' chances to survive● Design a solution to the problem of world water use and management

Quarter 4	<ul style="list-style-type: none"> • Water Pollution, Air Pollution, Climate Change, Energy • Design a solution to the world problem of climate change • Evaluate solutions that reduce the impacts of human impacts on natural resources • Evaluate the evidence that relationships among Earth systems are being modified due to human activity.
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Human Biology

Month	Unit/Topics	Skills / Standards	Projects/Assessments	Writing Activities
August	Class rules, lab safety, scientific equipment, science in the news	Illinois State Goals: 13.A4a-d and 13.A.5a-d	Lab safety video, microscope labs, Test on the history and function of the microscope.	Write about a sci in the news topic, summarize with an opinion. Students had to write quizzes to go w/ safety videos for others to take.
September	Scientific method, graphing, characteristics of life, Science in the news	Illinois State Goals: 11.4.4a-f, 11.4.5a-f, 12.A.5a, 12.S.4b-c, 12.C.4b, 12F,4a; NGSS: HS-LS-1-2, HS-LS-1-3, HS-LS-1-6, HS-PS-1,2	Lab safety quiz Graphing packet. Scientific method packet	Students read and reviewed a science article from online

October	Cell, Cell Parts, Transport, Protein Synthesis, Mitosis	State Goals: 12.A.5a, 12.S.4b-c, 12.C.4b, 12F.4a; NGSS: HS-LS-1-2, HS-LS-1-3, HS-LS-1-6, HS-PS-1,2	2 unit tests, lab practical identifying mitotic phases and what occurs in them.	Research a chromosomal disorder, make a PPT to share with the class.
November	Levels of organization, Cavities, Divisions, Regions, Tissues Integumentary system	Illinois State Goals; 12.A.4-6, 5A-B; NGSS: HS-LS2,6	Several Tissue ID labs with test	Research a tissue disorder and write a page describing it, how it's treated and prognosis.
December	Skeletal System	Illinois State Goals: 12.A. 4a-c, 5a-b NGSS: HS-LS2	Skeleton ID packets by region, Skeletal system practical test, Test on bone development and bone growth	Read an article and write a summary on how bones heal when broken.

January	Senses: eye and ear	HS-LS1-4	Packets on eye and ear structure, Tests on the A & P of the eye and ear. Eye dissection. Start a project regarding night vision of animals and how it can be use to improve night vision for the military--for district meeting.	Students researched an eye disorder and made a PPT describing it, how it's treated and prognosis. Presented to the class.
February	Nervous System and Brain, Muscular System	Illinois State Goals: 12.A. 4a-c, 5a-b NGSS: HS-LS4, HS-LS3	Nervous system test over neurons, nerves, brain A & P. Lab, whole and sagittal sheep brain dissection, practical on the sheep brain. Muscle ID activities and test.	Research a nervous system disorder, describe it and how it is treated.
March	Circulatory System	Illinois State Goals: 12.A. 4a-c, 5a-b NGSS: HS-LS4	Test on blood vessel A & P, circulatory dissection of arteries/veins of a rat, practical test on artery/vein ID in the rat.	Students will research a blood disorder, describe and tell how it's treated.

April	Respiratory System, Digestive System	Illinois State Goals: 12.A. 4a-c, 5a-b NGSS: HS-LS5	Dissection of respiratory and digestive systems of the rat, test on the respiratory and digestive systems	Create a model of the digestive system with labels of major digestive enzymes and their functions.
May	Urinary System, Reproductive System	Illinois State Goals: 12.A. 4a-c, 5a-b NGSS: HS-LS4	Packets on urinary and reproductive systems. Dissection of these systems in the rat. Test on the A &P of these systems.	Research a urinary or reproductive system disorder, write a summary that describes it and how it is treated.

Advanced Biology

Quarter 1	<p>Trees</p> <ul style="list-style-type: none">• Be able to identify various regional species of trees by common and scientific names• Explain the purpose and significance of hibernation in plants and animals <p>Bacteria, Viruses, Protists</p> <ul style="list-style-type: none">• Design and conduct an experiment and write a formal lab report on bacteria• Design an explanation, using bacteria, that common ancestry and evolution are supported by evidence• Evaluate the claim that all life has evolved from single celled organisms• Construct an explanation based on evidence for how DNA determines the structure of proteins with carry out the essential functions of life
Quarter 2	<p>Fungi, Plants</p> <ul style="list-style-type: none">• Devise an explanation for the evidence that places Fungi in their own kingdom• Compare and contrast fungi and plants• Develop a model that illustrates how photosynthesis transforms light energy into chemical energy

Quarter 3	<p>Simple Animals</p> <ul style="list-style-type: none">● Evaluate a model and study a living organism, that illustrate how cell division and differentiation produces and maintains complex organisms● Design an explanation, using simple animals, that common ancestry and evolution are supported by evidence● Develop a model that illustrates the hierarchical organization of multicellular organisms● Conduct research to discover how simple animals are used in medical advances for humans● Develop an apparatus that solves a human problem by using characteristics of simple animals
Quarter 4	<p>Complex Animals</p> <ul style="list-style-type: none">● Design an explanation, using complex animals, that common ancestry and evolution are supported by evidence● Use a sheep's heart to compare and contrast a closed circulatory system with an open circulatory system● Conduct research to discover how simple animals are used in medical advances for humans

Chemistry

Quarter 1

- Develop a definition of matter and classify it according to physical and chemical properties/changes.
- Describe the basic structure of the periodic table to include identification of metals, metalloids, and nonmetals as well as identifying rows and groups (families).
- Calculate density and use it to identify unknown substances.
- Perform calculations with appropriate significant figures, percent error, and percent difference.
- Interpret data and graphs to develop quantitative relationships.
- Outline the historical progression of the atomic theory.
- Calculate the quantity of atoms in a sample and the number of subatomic particles in an atom.

Topics:

- Matter and Change
- Measurements and Calculations
- Atoms: The Building Blocks of Matter

<p>Quarter 2</p>	<ul style="list-style-type: none"> ● Describe the impact of experiments on the development of the modern atomic theory of the atom. ● Specify the location of each electron in the atom. ● Organize the periodic table based on periodicity. ● Predict the chemistry of an element using atomic radii, ionic radii, electronegativity, ionization energy, and electron affinity. ● Predict molecular geometry by applying VESPR theory. ● Differentiate between covalent, metallic, and ionic bonding in structure, strength, and the effect on physical properties. ● Apply the concept of potential energy as it pertains to chemical bond length and energy. <p>Topics:</p> <ul style="list-style-type: none"> · Arrangement of Electrons in Atoms · The Periodic Law · Chemical Bonding
<p>Quarter 3</p>	<ul style="list-style-type: none"> ● Indicate naming rules and apply them to nomenclature of compounds. ● Calculate formula mass, molar mass, and percent composition. ● Predict the products and balance a chemical equation. ● Use the activity series to predict whether a reaction will take place. ● Calculate the amount of unknown reactants or products in a balanced chemical reaction. <p>Topics:</p> <ul style="list-style-type: none"> · Chemical Formulas and Chemical Compounds · Chemical Equations and Reactions · Stoichiometry

Quarter 4	<ul style="list-style-type: none">● Utilize the gas laws to show mathematical relationships between pressure, volume, temperature and quantities of gas.● Apply the kinetic theory of matter to predict structure and behavior of matter.● Define equilibrium and understand how concentration, temperature, and pressure affect it.● Distinguish solutions from suspensions and colloids.● Calculate the concentration of solutions and predict its impact on a chemical reaction.● Understand the effect of colligative properties of solutions on physical properties of solutions.● Use acid-base theory to predict products in a reaction. <p>Topics:</p> <ul style="list-style-type: none">· Physical Characteristics and Molecular Composition of Gases· Liquids and Solids· Solutions· Acid and Bases· Acid-Base Titration and pH
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Dual Enrollment/BHC Physics 110

Quarter 1

- Solve quantitative problems mathematically
- Use the SI system of measurement in all phases of their work in science
- Apply Newton's laws to solve motion problems
- Use several laboratory tools to explore various physics phenomena

Topics:

- Motion- 1D, 2D, 3D

- Forces

- Newton's laws

- Circular motion

Quarter 2

- Solve quantitative problems mathematically
- Use the SI system of measurement in all phases of their work in science
- Apply Newton's laws to solve motion problems
- Use several laboratory tools to explore various physics phenomena

Topics:

-Energy

-Work

-Power

-Pressure

-Momentum

-Conservation laws of momentum & energy

-Fluid Mechanics

Quarter 3

1. Explain the phenomena of sound in terms of production, propagation, and perception
2. Explain several phenomena of light
3. Demonstrate an understanding of the law of electricity and magnetism
4. Solve quantitative problems mathematically
5. Use several laboratory tools to explore various physics
6. Use the SI system of measurement in all phases of their work in science

Topics:

- Reflection
- Refraction
- Images
- Optical instruments
- Interferences
- Diffraction
- Polarization
- Electric charge
- Electric field
- Potential difference

Quarter 4	<ol style="list-style-type: none">1. Demonstrate an understanding of the law of electricity and magnetism2. Solve quantitative problems mathematically3. Use several laboratory tools to explore various physics4. Use the SI system of measurement in all phases of their work in science <p>Topics:</p> <ul style="list-style-type: none">● Ohm's Laws● Current● Resistance● Electrical instruments● Circuits - series and parallel● Magnetic fields● Magnetic force● Electromagnetic devices● Domains● Alternating current● Resonance● Electromagnetic spectrum
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Social Studies

World Cultures

Quarter 1	<ul style="list-style-type: none">● Introduce geography as a field of study.● Explain Earth's position in space and the forces acting on Earth's land and water.● Analyze the interrelationships of solar energy, climate, and vegetation.● Describe the development of cultures and the results of population expansion.
Quarter 2	<ul style="list-style-type: none">● Examine the historical and cultural geography of the United States and Canada.● Analyze the influence of ancient civilizations, European colonialism, and recent events on societies in Middle and South America.● Understand how cartograms are constructed to present geographic information.
Quarter 3	<ul style="list-style-type: none">● Describe the major landforms, bodies of water, climate, and resources of Europe.● Discuss Europe's influence in international affairs.● Examine the progression of Northern Eurasia's history, from early periods through communism to the breakup of the Soviet Union.
Quarter 4	<ul style="list-style-type: none">● Describe how the physical geography and economic geography of Southwest Asia affect ways of life there.- Trace the history and development of religion in the region, and analyze the role that religion has played in events in Southwest Asia- Compare the cultures and ways of life of people in different regions of Africa.

U.S. Government

Quarter 1	<ul style="list-style-type: none">● Explain how the state of nature led to the formation of the “social contract.”● Analyze the four government systems (democracy, communism, authoritarianism, monarchy).● Describe why the Articles of Confederation failed and use evidence to support the claim.● Analyze the core documents that inspired the founding fathers to create our constitutional republic.● Identify and describe the debates and negotiations that led to the ratification of the Constitution. <p><u>Topics:</u> The Social Contract Government Origins The Constitutional Convention</p>
Quarter 2	<ul style="list-style-type: none">● Explain how the three branch system of government maintains the separation of powers.● Research and debate the policies of the candidates in the upcoming gubernatorial election.● Evaluate the concept of federalism in relation to the Illinois Constitution.● Differentiate the Chicago system of government and the local governments of downstate Illinois. <p><u>Topics:</u> The United States Constitution 2018 Illinois Gubernatorial Election The Illinois Constitution</p>

<p>Quarter 3</p>	<ul style="list-style-type: none"> ● Discuss and classify the political parties in the United States. ● Research the platforms of political parties in order to simulate the campaign and election process. ● Analyze and describe the effect of the Citizens United Supreme Court decision on campaign fundraising. ● Explain the impact of sensationalism and polling data presented by the media. <p><u>Topics:</u> Political Parties Campaigns, Elections, and Voting The Media</p>
<p>Quarter 4</p>	<ul style="list-style-type: none"> ● Research and debate controversial issues while using evidence to support claims. ● Assess and describe how peaceful protests lead to government legislation and social change in this country. ● Analyze and discuss how the United Nations cooperate and function to maintain international agreements and deter conflict. ● Research and debate world conflicts in a Model UN format. <p><u>Topics:</u> Current Events Civil Rights Bureaucracy The United Nations</p>

HS/US History

Quarter 1	<ul style="list-style-type: none">● Summarize and explore the prehistory of the Americas through the colonial era.● Identify global and regional factors contributing to the chain of events prior to the American Revolution. <p>Topics:</p> <ul style="list-style-type: none">-Early colonial settlements and interactions with Native Americans-Relations with Great Britain and how those changed overtime
Quarter 2	<ul style="list-style-type: none">● Analyze and evaluate the decisions and documents of the early republic and its leaders.● Explore the role of slavery in the nation's founding, emergence, and disunity.● Deconstruct the events surrounding the American Civil War and the reconstruction era. <p>Topics:</p> <ul style="list-style-type: none">-Amendments, Federalism,-State and Federal Govt.-Causes and effects of Civil War

Quarter 3	<ul style="list-style-type: none">● Apply, analyze, and evaluate the costs and benefits of westward expansion, imperialism, and global conflicts.● Discuss the emergence of significant and controversial immigration policy. <p>Topics: -Wars and American involvement (WW1, WW2) -Roaring 20s and Great Depression</p>
Quarter 4	<ul style="list-style-type: none">● Explore and discuss the civil rights era, economic booms and busts, hot and cold wars, terrorism, technology, contemporary politics, and the modern era of globalization. <p>Topics: -Cold War, Proxy Wars (Korea, Vietnam, Middle East) -How policies of administrations shaped present day</p>

High School/World History

Quarter 1	<ul style="list-style-type: none">● Describe how people have used diverse tools and technologies to adapt to and affect the environment over time.● Explain how the Neolithic Revolution led to the first civilizations.● Analyze early conflicts, exchanges, and alliances that influenced the processes of state building, expansion, and dissolution.● Explain and compare how rulers constructed and maintained different forms of governance. <p><u>Topics:</u> Early Human Migrations Neolithic Revolution Early Empires Ancient China</p>
Quarter 2	<ul style="list-style-type: none">● Analyze the ways in which religious and secular belief systems affected political, economic, and social institutions.● Explain and compare how rulers constructed and maintained different forms of governance.● Describe the system of feudalism and evaluate its effects on society.● Research and use persuasion to defend or criticize Columbus and the effects of the Columbian Exchange. <p><u>Topics:</u> Ancient Greece Ancient Rome Middle Ages Columbian Exchange South American Civilizations</p>

Quarter 3

- Analyze how new scientific, technological, and medical innovations affected religions, belief systems, philosophies, and major ideologies.
- Assess how and why internal conflicts, such as revolts and revolutions, have influenced the process of state building, expansion, and dissolution.
- Analyze how technology shaped the processes of industrialization and globalization.
- Evaluate and explain how militarism, alliances, imperialism, and nationalism led to World War 1.

Topics:

The Renaissance

The French Revolution

Industrial Revolution and Imperialism

World War I

Russian Revolution

Quarter 4	<ul style="list-style-type: none">● Explain and compare how rulers and political institutions constructed and maintained different forms of governance.● Assess how and why internal conflicts, such as revolts and revolutions, have influenced the process of state building, expansion, and dissolution.● Research and develop a claim regarding what caused Hitler to seize power in Germany.● Analyze the spread of communism and explain the geopolitical changes during the Cold War.● Research and analyze the rise of terrorism and its effects on the geopolitical relationships in the Middle East. <p><u>Topics:</u> World War II African and South American Independence The Cold War Modern World History</p>
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HS/Psychology

<p>Quarter 1</p>	<ul style="list-style-type: none"> ● Remember and understand the basic history of psychology and varying approaches to the field. ● Identify anatomy of brain and sensory function. ● Explore and chart stages of human physical and cognitive development. <p>Topics: -Parts of brain -Piaget, Pavlov, etc. -Individual decisions</p>
<p>Quarter 2</p>	<ul style="list-style-type: none"> ● Apply developmental knowledge to understanding of personality. ● Evaluate methods of resolving conflicts. ● Analyze psychological disorders. ● Create an all-encompassing outline of a specific disorder, including symptoms, diagnoses, and approaches to treatment and understanding. ● Explore societal and sociocultural psychological factors, such as norms, taboos, rites of passage, etc. <p>Topics: -Ethics -Decision making -Mental health disorders and treatment</p>

Sociology

<p>Quarter 3</p>	<ul style="list-style-type: none"> ● Explain the Sociological Perspective and provide examples of how it is used in sociology. ● Research and use one of the three primary theoretical perspectives in sociology to explain a social issue. ● Describe the main components of culture and how ethnocentrism affects our perception of it. ● Analyze the concept of deviance and explain why it occurs in societies. <p><u>Topics:</u> Sociological Perspective & Research Methods Culture and Socialization Social Control and Deviance</p>
<p>Quarter 4</p>	<ul style="list-style-type: none"> ● Research the topics of race and gender and use evidence to determine if those distinctions lead to a difference in treatment by society. ● Compare and contrast the mainstream family structure portrayed in the 1950s to the modern family structure. ● Explain how religion influences the socialization process in different cultures. ● Research and support a claim regarding what “social change” is needed most in the United States today. <p><u>Topics:</u> Race and Gender Family and Religion Social Change</p>

Economics

Quarter 1	<ul style="list-style-type: none">● Explain the concept of scarcity in relation to the study of economics.● Describe how opportunity cost affects the decisions of consumers.● Evaluate and discuss the success of the four different forms of economic systems.● Compare and contrast the theories of Karl Marx and Adam Smith.● Analyze how supply and demand affect market equilibrium and the determination of prices. <p><u>Topics:</u> Scarcity and Opportunity Cost Economic Systems Intro to Microeconomics Supply and Demand</p>
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Quarter 2	<ul style="list-style-type: none"> ● Research and analyze the organizational structures of corporations and their impact on the economy. ● Evaluate and assess companies to invest in via a stock market simulation. ● Compare and contrast the Great Depression and the 2008 Recession. ● Analyze the free market and discuss how entrepreneurship and competition is stimulated. ● Research the pros and cons of globalization and come to a conclusion using evidence to support a claim. <p><u>Topics</u> The Stock Market Intro to Macroeconomics Capitalism Globalization and World Trade</p>
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Industrial Technology

Quarter 1	<p>Woods 11/12:</p> <ul style="list-style-type: none"> ● Justifies the use of specific tools and materials in the design of a product. ● Design woods product that meets a specific purpose or solves a problem for the student. <p>AutoCad 11/12:</p> <ul style="list-style-type: none"> ● Develop skills to create drawings for a product to meet specifications. ● Develop skills to modify drawings.
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	<p>Principles of Engineering 10:</p> <ul style="list-style-type: none"> ● Write a design brief to justify/explain the use of specific simple machines in the design of a complex machine. ● Design and construct a complex machine that solves a consumer need or want. <p>Introduction to Engineering Design 9:</p> <ul style="list-style-type: none"> ● Propose a plan to improve a commonly used product. ● Collaborate with a team to design a product following proposal specifications. ● Create a presentation to explain and justify the final product.
<p>Quarter 2</p>	<p>Woods 11/12</p> <ul style="list-style-type: none"> ● Construct product using individual design <p>AutoCad 11/12</p> <ul style="list-style-type: none"> ● Create drawings for a product to meet specifications. ● Modify drawings. <p>Introduction to Engineering Design</p> <ul style="list-style-type: none"> ● Calculate the travel of common cams. ● Construct a device that utilizes cams that demonstrates the differences in cams. <p>Principles of Engineering</p> <ul style="list-style-type: none"> ● Analyze how effective recycled materials as insulation ● Construct a machine using principles of energy, power, simple machines, and mechanical advantage.
<p>Quarter 3</p>	<p>Woods 11/12</p>

	<ul style="list-style-type: none"> ● Calculate the material cost for cabinets. <p>AutoCAD 11/12</p> <ul style="list-style-type: none"> ● Apply modeling skills in the design of a product that solves a specific need. <p>Introduction to Engineering Design</p> <ul style="list-style-type: none"> ● Design a deer yard ornament per the Design Challenge Brief <p>Principles of Engineering</p> <ul style="list-style-type: none"> ● Construct a truss and bridge utilizing statics principles ● Analyze results of bridge and truss testing to improve designs.
Quarter 4	<p>Woods 11/12</p> <ul style="list-style-type: none"> ● Plan a manufacturing process to produce a product for resale. <p>AutoCAD 11/12</p> <ul style="list-style-type: none"> ● Apply 3D modeling skills to design a product. ● Calculate the materials needed to produce a product. ● Analyze the importance of rapid prototyping. <p>Introduction to Engineering Design 11/12</p> <ul style="list-style-type: none"> ● Apply the Design Process to design product following customer's design briefs. <p>Principles of Engineering</p> <ul style="list-style-type: none"> ● Apply automation and control system skills to design a manufacturing system. ● Construct an automated device that solves a predetermined problem.

Family & Consumer Science

Quarter 1	<p>Foods</p> <ul style="list-style-type: none">● Examine the impact of psychological, cultural, and social influences on food choices and nutrition practices.● Determine conditions and practices that promote safe food handling.● Identify kitchen utensils & equipment required to successfully complete a task● Create a successful workspace in the kitchen● Complete a weekly, nutritionally balanced meal plan <p>Intro to FACS</p> <ul style="list-style-type: none">● Identify ways to handle peer pressure.● Demonstrate teamwork and leadership skills in the family, workplace, and community.● Explore FCCLA● Analyze the process for building and maintaining interpersonal relationships● Analyze communication styles and their effects on relationships <p>Resource Management</p> <ul style="list-style-type: none">● Analyze the benefits of good financial decision making● Develop personal finance goals● Create a personal budget● Research a variety of career paths● Practice and develop interviewing skills● Describe the principles of taxation & the major categories● Explore various forms of insurance● Analyze how economic factors impact financial decisions
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	<p>Parenting</p> <ul style="list-style-type: none"> ● Recognize the importance of behavioral choices, risks and consequences and their impact upon self and family ● Explain the qualities of a good personal relationship and family relationships
<p>Quarter 2</p>	<p>Foods</p> <ul style="list-style-type: none"> ● Demonstrate the ability to acquire, handle, and use grains, fruits, and vegetables to meet nutrition and wellness needs of individuals and families across the lifespan. ● Use a recipe and follow the proper cooking techniques in preparing a variety of products ● Follow safe and sanitary procedures in a laboratory setting <p>Intro to FACS</p> <ul style="list-style-type: none"> ● Analyze the benefits of good financial decision making ● Develop personal finance goals ● Develop a life plan, including pathways to acquiring the knowledge and skills needed to achieve individual, family, and career goals <p>Resource Management</p> <ul style="list-style-type: none"> ● Describe keys to building and maintaining healthy credit ● Evaluate issues and challenges of financing a home, an education, and a car ● Use a credit card correctly & be financially responsible with credit ● Execute proper operations of a checking account ● Explore services provided by financial institutions ● Examine retirement savings options ● Describe the process of investing in the stock market, bonds, and mutual funds

	<p>Parenting</p> <ul style="list-style-type: none"> ● Demonstrate an awareness of physical, emotional, psychological, and social changes from conception through newborn stages ● Analyze expectations and responsibilities of parenting ● Research the influences of heredity and environment on human growth & development
Quarter 3	<p>Advanced Foods</p> <ul style="list-style-type: none"> ● Demonstrate the ability to acquire, handle, and use dairy, egg, and meat products to meet nutrition and wellness needs of individuals and families across the lifespan. ● Use a recipe and follow the proper cooking techniques in preparing a variety of products ● Follow safe and sanitary procedures in a laboratory setting <p>Intro to FACS</p> <ul style="list-style-type: none"> ● Apply time management, organizational, and process skills to prioritize tasks and achieve goals ● Analyze decisions about providing safe and nutritious food for individuals and families ● Use a recipe and follow the proper cooking techniques in preparing a variety of products ● Follow safe and sanitary procedures in a laboratory setting <p>Resource Management</p> <ul style="list-style-type: none"> ● Analyze the benefits of good financial decision making ● Develop personal finance goals ● Create a personal budget ● Research a variety of career paths ● Practice and develop interviewing skills

	<ul style="list-style-type: none"> ● Describe the principles of taxation & the major categories ● Explore various forms of insurance ● Analyze how economic factors impact financial decisions <p>Child Development</p> <ul style="list-style-type: none"> ● Analyze nurturing practices that support human growth and development ● Demonstrate an awareness of physical, emotional, psychological, and social changes from the newborn through early childhood years ● Construct activities to promote physical, social, emotional, and mental development
Quarter 4	<p>Advanced Foods</p> <ul style="list-style-type: none"> ● Demonstrate the ability to acquire, handle, and use poultry and seafood products to meet nutrition and wellness needs of individuals and families across the lifespan. ● Follow safe and sanitary procedures in a laboratory setting ● Apply newly acquired skills to demonstrate the ability to select, store, prepare, and serve nutritious and visually appealing foods. ● Explore and create a cultural cuisine ● Create and decorate a variety of desserts ● Explore food service career paths <p>Intro to FACS</p> <ul style="list-style-type: none"> ● Label and identify the parts of a sewing machine ● Identify sewing equipment ● Evaluate performance characteristics of textile fiber & fabrics

	<ul style="list-style-type: none"> ● Evaluate the impact of history of design and designers ● Demonstrate skills needed to produce, alter, or repair textiles <p>Resource Management</p> <ul style="list-style-type: none"> ● Describe keys to building and maintaining healthy credit ● Evaluate issues and challenges of financing a home, an education, and a car ● Use a credit card correctly & be financially responsible with credit ● Execute proper operations of a checking account ● Explore services provided by financial institutions ● Examine retirement savings options ● Describe the process of investing in the stock market, bonds, and mutual funds <p>Child Development</p> <ul style="list-style-type: none"> ● Observe and evaluate the emotional and social development of infants, toddlers, and preschoolers ● Demonstrate an awareness of physical, emotional, psychological, and social changes from the early childhood years through adolescents ● Assess common practices and emerging research about influences of discipline on human growth and development ● Apply criteria for selecting care ad services for children and youth ● Evaluate the effects of abuse and neglect on children and families and determine methods of prevention
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Keyboarding

Quarter 1	<ul style="list-style-type: none"> ● Remember keyboard shortcuts for Microsoft Word. Use routine tasks to save documents in google drive or the designated folder on the server
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Quarter 2	<ul style="list-style-type: none"> • Explain the meaning of concepts in Microsoft Word and how to perform this task.
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Computer Concepts

Quarter 3	<ul style="list-style-type: none"> • Prepare a report about an area of study where keyboarding/computer skills will be necessary
Quarter 4	<ul style="list-style-type: none"> • Compare and contrast differences in Microsoft Excel and Google Sheets as well as Power Point and slides. Create a presentation on your findings.

Accounting

Quarter 1	<ul style="list-style-type: none"> • Accounting 1: Use mathematical expressions to calculate the assets, liabilities, or owner's equity of a small business firm.
Quarter 2	<ul style="list-style-type: none"> • Create a presentation that gives step by step instructions on how to reconcile a bank statement
Quarter 3	Explain the differences between accounts receivable and accounts payable accounts use a diagram to show how the totals of each equal the controlling account
Quarter 4	Write a persuasive speech on why high school accounting should/should not be required for high school graduation.

HS/Work Co-op

Quarter 1	<ul style="list-style-type: none">• Prepare a report on a career that you are interested in.
Quarter 2	<ul style="list-style-type: none">• Make a booklet about five rules that you see as important on your job. Illustrate your booklet using clip art and photos.
Quarter 3	<ul style="list-style-type: none">• Write a letter of application and resume for a job that you have found on the internet and may be interested in applying.
Quarter 4	<ul style="list-style-type: none">• Develop a set of rules that you would feel would be appropriate for your boss to post at work. These rules would be appropriate for all workers.

HS/Ag science Skills

Quarter 1	<ul style="list-style-type: none">• Designing and conduction agricultural research• Safety in Laboratory• Soil formation, profile, color, texture and structure• Soil erosion
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Quarter 2	<ul style="list-style-type: none">● Calculation soil loss● Fertilizer formulation● Classifying and naming plants● Plant breeding● Integrated pest management
Quarter 3	<ul style="list-style-type: none">● Classifying living things● Genetics● Animal welfare● Anatomy of animals● Anatomy and physiology of animal reproductive systems
Quarter 4	<ul style="list-style-type: none">● Evaluating animal health and behavior● Red meat harvesting methods● Tools and equipment in Lab● Controlling electrical current: circuits, conductors, and insulators● Alternative energy sources

Ag Mechanics technology

Quarter 1	<ul style="list-style-type: none"> ● Identifying areas in Agriculture ● Recognizing impact of technology ● Understanding construction codes ● Planning and placing concrete
Quarter 2	<ul style="list-style-type: none"> ● Selecting Lumber ● Framing structures ● Introducing electricity ● Identifying metals and their properties
Quarter 3	<ul style="list-style-type: none"> ● Applying heat/cold techniques on metal ● Metal cutting and processing ● Welding ● Human relation skills
Quarter 4	<ul style="list-style-type: none"> ● Understanding effective communication ● Obtaining education for a job ● Applying for a job/ interview for job ● Writing a resume

HS/Construction technology

Quarter 1	<ul style="list-style-type: none"> ● Identifying areas in agriculture ● Safety methods ● Using surveying equipment ● Understanding soil drainage systems ● Using power tools and hand tools
Quarter 2	<ul style="list-style-type: none"> ● Understanding design and planning of plumbing ● Identifying engine systems ● Operating, calibrating, and maintaining Agriculture machines
Quarter 3	<ul style="list-style-type: none"> ● Operating, calibrating, and maintaining Agriculture machines ● Determining the use of technology in food and fiber production ● Understanding and using GPS ● Understanding and Geographic information systems
Quarter 4	<ul style="list-style-type: none"> ● Develop human relation skills ● Understanding effective communication ● Finding and applying for a job, and job interview skills ● Writing a resume

Biological Science Applications in Agriculture

Quarter 1	<ul style="list-style-type: none">● Animal Genetics and probability● Chick Embryology● Animal health● Food safety
Quarter 2	<ul style="list-style-type: none">● Science behind food● Biotechnology and history● Safety in Laboratory● Exploring Microbiology● Using Enzymes and fermentation in food processing
Quarter 3	<ul style="list-style-type: none">● Exploring research methods in Agriculture● Plant tissue testing● Hydroponics● Testing for carbohydrates
Quarter 4	<ul style="list-style-type: none">● Designing and conducting research● Using a microscope● Working with cell cultures● Detecting Microbes

Art

High School Ceramics

Quarter 1	<ul style="list-style-type: none">• VA:Cr1.2.I Shape an artistic investigation of an aspect of present- day life using a contemporary practice of art or design.• VA:Cr2.2.I Explain how traditional and nontraditional materials may impact human health and the environment and demonstrate safe handling of materials, tools, and equipment.• VA:Re7.1.I Hypothesize ways in which art influences perception and understanding of human experiences.• VA:Cn10.1.I Document the process of developing ideas from early stages to fully elaborated ideas.• VA:Cr3.1.II Engage in constructive critique with peers, then reflect on, re-engage, revise, and refine works of art and design in response to personal artistic vision.• VA:Re7.2.I Analyze how one's understanding of the world is affected by experiencing visual imagery.• VA:Re9.2.I Establish relevant criteria in order to evaluate a work of art or collection of works
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Quarter 2	<ul style="list-style-type: none"> ● VA:Pr4.1.I Analyze, select, and curate artifacts or artworks for presentation and preservation. ● VA:Pr4.1.II Investigate, compare, and contrast methods for preserving and protecting art. ● VA:Pr6.1.I Analyze and describe the impact that an exhibition or collection has on personal awareness of social, cultural, or political beliefs and understandings. ● VA:Re8.1.I Construct meaningful interpretations, supported by evidence, of an artwork or collection of works through describing and analyzing feelings, subject matter, formal characteristics, artmaking approaches, contextual information, and key concepts. ● VA:Cn11.1.I Describe how knowledge of culture, traditions, and history may influence personal responses to art.
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ART Design

Quarter 1	<ul style="list-style-type: none"> ● VA:Cr1.2.I Shape an artistic investigation of an aspect of present- day life using a contemporary practice of art or design. ● VA:Cr2.2.I Explain how traditional and nontraditional materials may impact human health and the environment and demonstrate safe handling of materials, tools, and equipment. ● VA:Re7.1.I Hypothesize ways in which art influences perception and understanding of human experiences. ● VA:Cn10.1.I Document the process of developing ideas from early stages to fully elaborated ideas.
Quarter 2	<ul style="list-style-type: none"> ● VA:Cr3.1.II Engage in constructive critique with peers, then reflect on, re-engage, revise, and refine works of art and design in response to personal artistic vision. ● VA:Re7.2.I Analyze how one’s understanding of the world is affected by experiencing visual imagery. ● VA:Re9.2.I Establish relevant criteria in order to evaluate a work of art or collection of works

Quarter 3	<ul style="list-style-type: none"> ● VA:Pr4.1.I Analyze, select, and curate artifacts or artworks for presentation and preservation. ● VA:Pr4.1.II Investigate, compare, and contrast methods for preserving and protecting art.
Quarter 4	<ul style="list-style-type: none"> ● VA:Pr6.1.I Analyze and describe the impact that an exhibition or collection has on personal awareness of social, cultural, or political beliefs and understandings. ● VA:Re8.1.I Construct meaningful interpretations, supported by evidence, of an artwork or collection of works through describing and analyzing feelings, subject matter, formal characteristics, artmaking approaches, contextual information, and key concepts. ● VA:Cn11.1.I Describe how knowledge of culture, traditions, and history may influence personal responses to art.

High School Drawing

Quarter 1	<ul style="list-style-type: none"> ● VA:Cr1.2.I Shape an artistic investigation of an aspect of present day life using a contemporary practice of art or design. ● VA:Cr2.2.I Explain how traditional and nontraditional materials may impact human health and the environment and demonstrate safe handling of materials, tools, and equipment. ● VA:Re7.1.I Hypothesize ways in which art influences perception and understanding of human experiences. ● VA:Cn10.1.I Document the process of developing ideas from early stages to fully elaborated ideas.
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Quarter 2	<ul style="list-style-type: none"> ● VA:Cr3.1.II Engage in constructive critique with peers, then reflect on, reengage, revise, and refine works of art and design in response to personal artistic vision. ● VA:Re7.2.I Analyze how one’s understanding of the world is affected by experiencing visual imagery. ● VA:Re9.2.I Establish relevant criteria in order to evaluate a work of art or collection of works.
Quarter 3	<ul style="list-style-type: none"> ● VA:Pr4.1.I Analyze, select, and curate artifacts or artworks for presentation and preservation. ● VA:Pr4.1.II Investigate, compare, and contrast methods for preserving and protecting art.
Quarter 4	<ul style="list-style-type: none"> ● VA:Pr6.1.I Analyze and describe the impact that an exhibition or collection has on personal awareness of social, cultural, or political beliefs and understandings. ● VA:Re8.1.I Construct meaningful interpretations, supported by evidence, of an artwork or collection of works through describing and analyzing feelings, subject matter, formal characteristics, artmaking approaches, contextual information, and key concepts. ● VA:Cn11.1.I Describe how knowledge of culture, traditions, and history may influence personal responses to art

High School Painting

<p>Quarter 1</p>	<ul style="list-style-type: none"> ● VA:Cr1.2.I Shape an artistic investigation of an aspect of present day life using a contemporary practice of art or design. ● VA:Cr2.2.I Explain how traditional and nontraditional materials may impact human health and the environment and demonstrate safe handling of materials, tools, and equipment. ● VA:Re7.1.I Hypothesize ways in which art influences perception and understanding of human experiences. ● VA:Cn10.1.I Document the process of developing ideas from early stages to fully elaborated ideas. ● VA:Cr3.1.II Engage in constructive critique with peers, then reflect on, re-engage, revise, and refine works of art and design in response to personal artistic vision. ● VA:Re7.2.I Analyze how one's understanding of the world is affected by experiencing visual imagery. ● VA:Re9.2.I Establish relevant criteria in order to evaluate a work of art or collection of works
<p>Quarter 2</p>	<ul style="list-style-type: none"> ● VA:Pr4.1.I Analyze, select, and curate artifacts or artworks for presentation and preservation. ● VA:Pr4.1.II Investigate, compare, and contrast methods for preserving and protecting art. ● VA:Pr6.1.I Analyze and describe the impact that an exhibition or collection has on personal awareness of social, cultural, or political beliefs and understandings. ● VA:Re8.1.I Construct meaningful interpretations, supported by evidence, of an artwork or collection of works through describing and analyzing feelings, subject matter, formal characteristics, artmaking approaches, contextual information, and key concepts. ● VA:Cn11.1.I Describe how knowledge of culture, traditions, and history may influence personal responses to art.

Printmaking

Quarter 1	<ul style="list-style-type: none">● VA:Cr1.2.I Shape an artistic investigation of an aspect of present day life using a contemporary practice of art or design.● VA:Cr2.2.I Explain how traditional and nontraditional materials may impact human health and the environment and demonstrate safe handling of materials, tools, and equipment.● VA:Re7.1.I Hypothesize ways in which art influences perception and understanding of human experiences.● VA:Cn10.1.I Document the process of developing ideas from early stages to fully elaborated ideas.● VA:Cr3.1.II Engage in constructive critique with peers, then reflect on, reengage, revise, and refine works of art and design in response to personal artistic vision.● VA:Re7.2.I Analyze how one's understanding of the world is affected by experiencing visual imagery.● VA:Re9.2.I Establish relevant criteria in order to evaluate a work of art or collection of works
Quarter 2	<ul style="list-style-type: none">● VA:Pr4.1.I Analyze, select, and curate artifacts or artworks for presentation and preservation.● VA:Pr4.1.II Investigate, compare, and contrast methods for preserving and protecting art.● VA:Pr6.1.I Analyze and describe the impact that an exhibition or collection has on personal awareness of social, cultural, or political beliefs and understandings.● VA:Re8.1.I Construct meaningful interpretations, supported by evidence, of an artwork or collection of works through describing and analyzing feelings, subject matter, formal characteristics, artmaking approaches, contextual information, and key concepts.● VA:Cn11.1.I Describe how knowledge of culture, traditions, and history may influence personal responses to art.

High School Sculpture

Quarter 1	<ul style="list-style-type: none"> ● VA:Cr1.2.I Shape an artistic investigation of an aspect of present day life using a contemporary practice of art or design. ● VA:Cr2.2.I Explain how traditional and nontraditional materials may impact human health and the environment and demonstrate safe handling of materials, tools, and equipment. ● VA:Re7.1.I Hypothesize ways in which art influences perception and understanding of human experiences. ● VA:Cn10.1.I Document the process of developing ideas from early stages to fully elaborated ideas. ● VA:Cr3.1.II Engage in constructive critique with peers, then reflect on, reengage, revise, and refine works of art and design in response to personal artistic vision. ● VA:Re7.2.I Analyze how one's understanding of the world is affected by experiencing visual imagery. ● VA:Re9.2.I Establish relevant criteria in order to evaluate a work of art or collection of works
Quarter 2	<ul style="list-style-type: none"> ● VA:Pr4.1.I Analyze, select, and curate artifacts or artworks for presentation and preservation. ● VA:Pr4.1.II Investigate, compare, and contrast methods for preserving and protecting art. ● VA:Pr6.1.I Analyze and describe the impact that an exhibition or collection has on personal awareness of social, cultural, or political beliefs and understandings. ● VA:Re8.1.I Construct meaningful interpretations, supported by evidence, of an artwork or collection of works through describing and analyzing feelings, subject matter, formal characteristics, artmaking approaches, contextual information, and key concepts. ● VA:Cn11.1.I Describe how knowledge of culture, traditions, and history may influence personal responses to art.

Music

High School/Band

Quarter 1	<ul style="list-style-type: none">● Rehearsing and perform Pep Band charts from Various Eras● Performing in an outdoor● Evaluating Personal Performance
Quarter 2	<ul style="list-style-type: none">● Playing as a concert band● Exposure and improving fluency in a variety of key signatures, time signatures, and tonal centers● Developing ensemble sound
Quarter 3	<ul style="list-style-type: none">● Playing as a soloist● Playing in a small ensemble for adjudication● College ensemble preparation
Quarter 4	<ul style="list-style-type: none">● Listening and evaluating music performed by others● Improving tone and musicality

9-12 grade/Chorus

<ul style="list-style-type: none"> • Quarter 1 	<ul style="list-style-type: none"> • Analyze, discuss and apply proper breathing techniques and vocal tone production to in-class singing • Analyze and discuss the success of increasingly complicated rhythmic sight reading performances as a group and individually • Perform, analyze and discuss major and minor scales as a group and individually • Critique individual and group progress on fall choral literature and vocal techniques, making suggestions for improvement
<ul style="list-style-type: none"> • Quarter 2 	<ul style="list-style-type: none"> • Analyze, discuss and apply dynamics, proper diction and phrasing to preparation of fall and winter choral music • As a class, discover, discuss and apply concepts of “concert preparedness” while prepping for winter concert performance • Critique individual and group progress on choral literature, making suggestions for improvement
<ul style="list-style-type: none"> • Quarter 3 	<ul style="list-style-type: none"> • Analyze, discuss and apply musical terms and symbols to preparation of solo and ensemble music • Analyze and discuss the success of major melodic sight reading performances as a group and individually • Research the meaning behind the text in a song and use musical concepts to attempt to convey that message to an audience while prepping for solo and ensemble contest performances • Critique individual and group progress on choral literature, making suggestions for improvement

<ul style="list-style-type: none"> • Quarter 4 	<ul style="list-style-type: none"> • Analyze, discuss and apply knowledge of more complicated terms and symbols in preparation of spring choral music • Analyze and discuss the success of major and minor melodic sight reading performances as a group and individually • As a class, discover, discuss and apply concepts of “concert preparedness” while prepping for spring concert performance • Critique individual and group progress on choral literature, making suggestions for improvement
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High School/Music Theory & Appreciation

<p>Quarter 1 *Music Theory</p>	<ul style="list-style-type: none"> • Interpret basic written music symbols • Interpret basic dynamic and musical interpretation markings • Demonstrate an understanding of major and minor intervals • Apply knowledge of intervals to creating scales and key signatures in major keys
<p>Quarter 2 *Music Theory</p>	<ul style="list-style-type: none"> • Demonstrate an understanding of complex intervals • Apply knowledge of intervals to building triads and chords • Apply knowledge of intervals to transposing music • Apply knowledge of major scales and key signatures to composing an original piece of music

<p>Quarter 3 *Music Appreciation</p>	<ul style="list-style-type: none"> ● Demonstrate an understanding of musical instruments, voices and basic music terms to use in response to listening assignments and discussion throughout the course ● Demonstrate knowledge of composers and music styles of the Middle Ages, Renaissance and Baroque eras ● Through listening and responding, apply knowledge of musical style periods to discussions and comparisons of various pieces of music ● Attend live music performances and write about the experiences using terminology and musical concepts discussed in class
<p>Quarter 4 *Music Appreciation</p>	<ul style="list-style-type: none"> ● Demonstrate knowledge of composers and music styles of the Classical, Romantic and Modern eras ● Through listening and responding, apply knowledge of musical style periods to discussions and comparisons of various pieces of music ● Attend live music performances and write about the experiences using terminology and musical concepts discussed in class ● Research and write about a topic in music, presenting and discussing your point of view with others

Business Tech

Accounting

The Accounting class takes students through the basic understanding and procedures for multicolumn journal accounting. The class begins with the basic terms, accounting formulas, and some basic analysis. In September the class begins journaling transactions, works with charts of accounts, and the general ledger. Sprinkled along the way are discussion on ethics and the generally accepted accounting principles. From that point forward varying scenarios will drive implementing these basic tools. By the end of the school year the students are expected to be able to prepare, read, and analyze common financial statements.

<p>Quarter 1 Basic terms, formulas, general ledger, and chart of accounts</p>	<p>Quarter 2 Reading and creating financial statements and balance sheets</p>	<p>Quarter 3 Journalizing purchases, various entries types, employing previous skills within other business scenarios</p>	<p>Quarter 4 Payroll, dividends, and analyzing financial statements.</p>
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Keyboarding

The keyboarding class covers both traditional touch typing skills along with basic computer concepts and word processing procedures. By the end of the semester the student is expected to be able to ten-finger type along with being able to manipulate files, create various documents with the proper formatting along with other basic word processing skills.

<p>Quarter 1 Complete basic keyboard training on typing.com. Know how to create, modify, delete and print documents. Practice business class formatting and etiquette in professional/academic emails. Create business letters, memos and resumes using the proper formatting</p>	<p>Quarter 2 Complete intermediate and advanced modules in typing.com. At the complete the student is expected to have a reasonable mastery of the whole keyboard. The second half of the class will introduce the students to PowerPoint, spreadsheets, databases and they will be able to mail merge a Word document</p>
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Computer Concepts

Computer Concepts class explores computing in general, computing careers, common business software, and exposes the students to some coding. At the end of the class the student will have an understanding of what computers can do and what careers tracks are available.

<p>Quarter 1 Explore computers and computing including basic terminology and history. Discover various career tracks in computing. Work with various word processing and spreadsheet programs but mostly Word and Excel.</p>	<p>Quarter 2 Work with presentation software and database methods. Explore introductory graphics and audio processing. Understand the Internet's power and concerns over privacy. And finally understand the basic logic inherent in all forms of coding.</p>
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K -12 PE Goals & Essential Skills

The Stark County District 100 K-12 Physical Education goal is to have students graduate Stark County school district with the ability to stay active in their lifestyle. When the students graduate and make their way through life they will have knowledge and experiences that allow them to stay active and healthy. We believe that the first thing that stops for graduates is their fitness and activity levels.

Essential Skills for Stark County K - 12 Physical Education

1. Acquire movement and motor skills and understand concepts necessary to engage in moderate to vigorous physical activity.
2. Achieve and maintain a health-enhancing level of physical fitness based upon continual self-assessment.
3. Develop skills necessary to become a successful member of a team or work force as a team by working with others during physical activity.
4. Understand principles of health promotion and the prevention and treatment of illness and injury.
5. Understand human body systems and factors that influence growth and development.
6. Promote and enhance health and well-being through the use of effective communication and decision making skills.