



| | 3 rd Grade: Cohos | 2 nd Grade: Dragons & Dragonflies | 1 st Grade: Kangaroos & Butterflies |
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| Counting, Cardinality & Number Sense | Number Sense - count within 1000 - skip-count by 2s, 3s, 4s, 5s, 6s, 7s, 8s, 9s, and 10s - read and write numbers to 1000 using base-ten numerals, number names, and expanded form. -Roman Numerals: I-X, L, C, D, M Place Value -convert between place values -compare numbers up to billions -word names for numbers -rounding -prime and composite numbers -understanding integers -put integers in order | Extend the counting sequence. - skip-count by 2s,3s, 4s, 5s, 6s, 7s, 8s, 9s, 10s -write numbers up to 1000 in words -ordinal numbers to 100 th -Roman Numerals: I-X, L, C Place Value -place value models -place value numbers -value of a digit -identify the digit with a particular place value -convert to/from a number -convert between place values -convert from expanded form -estimate to the nearest tens/hundreds/thousands -estimate sums -rounding – nearest tens or hundred -rounding money amounts | Extend the counting sequence. - count to 1,000 - skip-count by 2s, 3s, 4s, 5s, 6s, 10s -read and write numbers to 1000 -recognizes cardinal numbers -Roman Numerals I-X Place Value -place value models -place value numbers -value of a digit -identify the digit with a particular place value -estimate to the nearest ten / hundred -round to the nearest ten / hundred |



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| Operations & Algebraic Thinking | <p>Addition</p> <ul style="list-style-type: none"> -add numbers up to millions -fill in missing digits -properties of addition -add 3 or more numbers up to millions -addition patterns over increasing place value -choose numbers with a particular sum -estimate sums <p>Subtraction</p> <ul style="list-style-type: none"> -subtract numbers up to millions -filling missing digits -patterns over increasing place values -choose numbers with a particular difference -estimate difference <p>Multiplication</p> <ul style="list-style-type: none"> -multiplication facts to 12 -choose the multiples of a given number to 12 -identify factors -multiply 1-digit numbers by 2, 3, 4-digit numbers -multiplication patterns over increasing place values -properties of multiplication -distributive property: find the missing factor -multiply using the distributive property -estimate products: multiplying by 1-digit -multiply a 2-digit number by a 2-digit number -multiply numbers ending in zeroes -multiply 3 numbers up to 2-digits each -multiplication input/output tables <p>Division</p> <ul style="list-style-type: none"> -facts to 12 -properties of division -divide 2-digit numbers by 1-digit numbers (w/ R) -divide larger numbers by 1-digit numbers -choose numbers with particular quotient -divide numbers ending in zeroes by 1-digit numbers -estimate quotients -division patterns over increasing place values -divide 2-digit numbers by multiples of 10 -divide by 2-digit numbers | <p>Addition</p> <ul style="list-style-type: none"> -add two numbers up to three digits -addition input/output tables- up to three digits -balance addition equations -add three numbers up to three digits -add two numbers up to four digits -add three or more digits with four or more digits -addition: fill in the missing number <p>Subtraction</p> <ul style="list-style-type: none"> -subtract numbers up to three digits -subtraction input/output tables- up to three digits -balance subtraction equations -subtraction: fill in the missing digits <p>Multiplication</p> <ul style="list-style-type: none"> -facts to 12 -missing factors to 12 -multiply by multiples of ten -multiply numbers ending in zeroes -multiply a one-digit number by a larger number -multiply three or more numbers -multiplication input/output tables -box multiplication <p>Division</p> <ul style="list-style-type: none"> -division facts to 5 -division facts to 10 -divide numbers ending in zeroes -divide three-digit numbers -divide larger numbers -divisibility rules for 2, 5, and 10 -division input/output tables <p>Properties</p> <ul style="list-style-type: none"> -commutative property ($8+3=11$ and $3+8=11$) -associative property ($2+6+4 = 12$ and $2+10 = 12$) | <p>Addition</p> <ul style="list-style-type: none"> -addition with pictures -write addition input/output tables- sums to 20 -add zero -add doubles -add three one-digit numbers -add four or more one-digit numbers -identify repeated addition in arrays: sums to 25 -add multiples of 10 -add two-digit and one-digit numbers with regrouping -add two two-digit numbers with regrouping -add three numbers up to two digits each -add four or more numbers up to two digits each -add multiples of 100 -add two three-digit numbers <p>Subtraction</p> <ul style="list-style-type: none"> -subtraction with pictures -write subtraction sentences up to 18 -subtract zero/all -subtract multiples of 10 -subtract one-digit number from a two-digit number: without regrouping -subtract one-digit number from a two-digit number: with regrouping -subtract two two-digit numbers- without regrouping -subtraction input/output tables up to two digits -subtract multiples of 100 -subtract three-digit numbers <p>Properties</p> <ul style="list-style-type: none"> -addition facts -subtraction facts -fact families -addition, subtraction, multiplication, division terms |



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| <p>Numbers & Operations in Base Ten</p> <p>Fractions</p> | <p>Fraction Equivalence & Ordering</p> <ul style="list-style-type: none"> -equivalent fractions -graph equivalent fraction on number line -fractions with denominators of 10, 100, and 1000 -reduce fractions to lowest term -compare fractions -compare fractions with like denominators -compare fractions in recipes -order fractions with like numerators -convert between improper fractions and mixed numbers <p>Add & Subtract Fractions: Like Denominators</p> <ul style="list-style-type: none"> -decompose fractions into unit fractions -add/subtract fractions with like denominators -add three or more fractions with like denominators -add and subtract mixed numbers with like denominators <p>Add & Subtract Fractions: Unlike Denominators</p> <ul style="list-style-type: none"> -add/subtract fractions with unlike denominators -add up to 4 fractions -add 3 or more fractions with unlike denominators -add and subtract mixed numbers <p>Multiply Fractions</p> <ul style="list-style-type: none"> -multiply fractions by whole numbers using a number line -multiply fractions and mixed numbers by whole numbers in recipes <p>Decimals</p> <ul style="list-style-type: none"> -understand decimals expressed in words -place value in decimal numbers -equivalent decimals -convert fractions and mixed numbers to decimals -convert decimals between standard and expanded form using fractions -round decimals/compare decimals on a number line -put decimals in order -solve decimal problems using diagrams -add/subtract 3 or more decimal numbers | <p>Fractions</p> <ul style="list-style-type: none"> -fraction bars -area models -match unit fractions to models -fraction of number lines -word names for mixed numbers -identify/graph equivalent fractions on number lines -fractions with denominators 10 & 100 -reducing fractions to lowest term -compare fractions using models and number lines -graph and compare fractions with like denominators on number lines -compare fractions in recipes -order fractions with like denominators -add fractions with like denominators using number lines -subtract fractions with like denominators using number lines <p>Decimals</p> <ul style="list-style-type: none"> -word names for decimals -compare decimals order decimals -add/subtract decimals -add three or more decimals | <p>Fractions</p> <ul style="list-style-type: none"> -equal parts -halves, thirds, and fourths -identify fractions -which shape illustrates the fraction? -part of a whole -compare fractions using models -order fractions with like numerators -fraction equivalents to whole numbers <p>Probability & Statistics</p> <ul style="list-style-type: none"> -more, less, and equally likely -certain probable, unlikely, and impossible -median, mode, range -interpret graphs to find mean, median, mode |



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| Measurement & Data | <p>Measurement</p> <ul style="list-style-type: none"> -measure using an inch ruler -which unit is appropriate? -compare/convert units of length, weight, volume -which metric unit is appropriate? -compare/convert metric units of length -compare/convert metric units of weight -compare/convert metric units of volume <p>Time</p> <ul style="list-style-type: none"> -convert time units -add and subtract mixed time units -fractions of time units -time zones -elapsed time -find start and end times -transportation schedules <p>Money</p> <ul style="list-style-type: none"> -count coins and bills- up to \$5 -compare money amounts -round money amounts -add, subtract, multiply, and divide money amounts -making change -price lists with addition and subtraction <p>Data & Graphs</p> <ul style="list-style-type: none"> -read a table -interpret/create line graphs, bar graphs, line plots -frequency charts -stem-and-leaf plots -circle graphs -choose the best graph | <p>Measurement</p> <ul style="list-style-type: none"> -read a thermometer -reasonable temperature -measure using an inch ruler -which customary unit is appropriate? -compare units of length, weight, and volume -which metric unit is appropriate -compare metric units of length, weight, and volume <p>Time</p> <ul style="list-style-type: none"> -read clocks and write time -elapsed time -read a calendar, schedule, timeline -time patterns -convert between hours and fraction of hours <p>Money</p> <ul style="list-style-type: none"> -count coins and bills- up to \$5 -purchases: do you have enough? -making change -put money amount in order -add/subtract money amounts -price lists -multiply money amounts -divide money amounts <p>Data & Graphs</p> <ul style="list-style-type: none"> -graph points on the coordinate plane -interpret/create tally charts and tables -interpret/create bar graphs, line plots, line graphs -Venn diagrams | <p>Measurement</p> <ul style="list-style-type: none"> -read a thermometer -measure using an inch/centimeter ruler -which unit of measurement is appropriate? -which unit of weight is appropriate? -choose appropriate measuring tool <p>Tell and write time.</p> <ul style="list-style-type: none"> -tell time in hours and half-hours -match clocks and time -match analog and digital clocks -A.M. and P.M. -elapsed time -read a calendar -number of days in each month -time patterns <p>Money</p> <ul style="list-style-type: none"> -names and values of all coins -count money up to \$1 -count money up to \$5 -equivalent amounts of money up to \$1 -equivalent coins -add/subtract money up to \$1 -least number of coins -purchases: do you have enough money- up to \$5 -how much more money to make a dollar? -making change <p>Data & Graphs</p> <ul style="list-style-type: none"> -coordinate graph -interpret tally charts -interpret/create bar graphs -interpret/create line plots -interpret/create pictographs -interpret Venn diagrams |



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| Geometry | <p>Geometry</p> <ul style="list-style-type: none"> - identify 2-dimensional and 3-dimensional shapes -classify triangles by side lengths, angles -open and closed shapes and qualities of polygons -which 2 or 3-dimensional shape is being described? -classify quadrilaterals -number of sides in polygons -classify quadrilaterals -number of sides in polygons -count and compare sides, edges, face, and vertices -similar and congruent -nets of 3-dimensional figures -acute, right, obtuse, and straight angles -angles of 90, 180, 270, and 360 degrees -measure angles with a protractor -adjacent angles -parts of a circle -perimeter -area of squares and rectangles -volume -rotational symmetry -lines of symmetry -lines, line segments, and rays -parallel, perpendicular, intersecting -calculate radius, diameter, and circumference <p>Patterns & Sequences</p> <ul style="list-style-type: none"> -geometric growth patterns -increasing growth patterns | <p>Reason with shapes and their attributes.</p> <ul style="list-style-type: none"> -identify 2-dimensional shapes -identify 3-dimensional shapes -count and compare sides, angles, edges, vertices, and faces -symmetry -similar and congruent -reflection rotation, and translation -perimeter -perimeter: find the missing side -area of figures using unit squares -area of rectangles -compare the perimeter of two figures -angles: greater than, less than, or equal to a right angle -lines, line segments, and rays -parallel, perpendicular, intersecting -is it a polygon? -triangles: equilateral, isosceles, and scalene -triangles: acute, right, and obtuse | <p>Identify and describe shapes.</p> <ul style="list-style-type: none"> -identify 2-dimensional shapes -identify 3-dimensional shapes -count sides and angles -count edges, vertices, and faces -symmetry -flip, turn, rotate -perimeter -area <p>Analyze, compare, create, and compose shapes.</p> <ul style="list-style-type: none"> -compare shapes by describing their similarities and differences (number of sides, vertices, etc.) -use pattern block and tangrams to compose simple shapes to form larger shapes |



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| Algebra | <p>Variables</p> <ul style="list-style-type: none"> -write variable expressions -evaluate variable expressions -simplify expressions using order of operations and parentheses -write variable equations to represent word problems -solve variable equations <p>Coordinate Graphs</p> <ul style="list-style-type: none"> -graph points on a coordinate plane -coordinate graphs as maps | <p>Patterns</p> <ul style="list-style-type: none"> -identify and create all AB pattern combinations -determine the missing numbers in simple addition and subtractions problems -identify and create 3-dimensional patterns | <p>Patterns</p> <ul style="list-style-type: none"> -identify and create all AB pattern combinations -determine the missing numbers in simple addition and subtractions problems |



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| Reading | <p>Leveled Basal Readers & Anthologies</p> <ul style="list-style-type: none"> -can read with purpose and understanding -can read with oral accuracy, appropriate rate, and expression -can use context to confirm self-corrected word recognition and understanding <p>Informational Text</p> <ul style="list-style-type: none"> -can ask and answer questions to demonstrate understanding, referring to the text -can determine main idea -can recount key details and explain how they support the main idea -can describe the relationship between ideas in a text using time, sequence, and cause/effect -can determine the meaning of words and phrases -can use various features to locate key facts and information -can distinguish own point of view from that of the author -can describe logical connections between particular sentences and paragraphs - can compare and contrast the most important points and key details in two texts on the same topic | <p>Leveled Basal Readers & Anthologies</p> <ul style="list-style-type: none"> -can read with purpose and understanding -can read with oral accuracy, appropriate rate, and expression -can use context to confirm self-corrected word recognition and understanding <p>Informational Text</p> <ul style="list-style-type: none"> -can ask and answer who, what, when, where, why, and how questions to demonstrate understanding of key details in the text -can identify the main topic of multi-paragraph text as well as the focus of specific paragraphs -can describe the connections between a series of historical events, scientific ideas, or steps in a procedure -can determine the meaning of words and phrases -can use various features to locate key facts and information -can identify the main purpose, including what the author wants to answer, explain or describe -can explain how specific images contribute and clarify a text | <p>Leveled Basal Readers & Anthologies</p> <ul style="list-style-type: none"> -can identify the features of a sentence (e.g., first word, capitalization, punctuation) -can distinguish long from short vowel sounds -can orally produce single-syllable words by blending (phonemes), including consonant blends -can isolate and pronounce initial, medial vowel, and final consonant (phonemes) -can spell common consonant digraphs -can decode regularly spelled one-syllable and two-syllable words -can read final -e <p>Informational Text</p> <ul style="list-style-type: none"> -can ask and answer questions about key details in the text -can identify the main topic and retell key details -can describe the connections between two event or ideas -can use various text features (e.g., headings, tables of contents, glossaries) to locate key facts and information -can use illustrations and details to describe its key ideas -can identify reasons an author gives to support points in a text -can identify basic similarities in and differences between two texts on the same topic |



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| | <p>Literature: Prose & Poetry</p> <ul style="list-style-type: none"> -can ask and answer questions to demonstrate understanding, referring to the text -can recount different genres of stories determining the central message and how it is conveyed through key details -can describe how characters and explain how their actions contribute to the sequence of events -can determine the meaning of words and phrases, distinguishing literal and non-literal language -can refer to parts of a text, using terms such as chapter, scene, and stanza -can describe how each successive part builds on earlier sections -can distinguish own point of view from that of narrators/characters -can explain how illustrations contribute meaning to the story -can compare and contrast themes, settings, and plots of stories in a series | <p>Literature: Prose & Poetry</p> <ul style="list-style-type: none"> -can ask and answer who, what, where, when, and how questions to demonstrate understanding of key details -can recount stories, including fables and folktales, and determine their central message, lesson, or moral -can describe how characters in a story respond to major events and challenges -can describe how words and phrases supply rhythm and meaning in a story, poem, or song -can describe the overall structure of a story, including how the beginning introduces the story and ending concludes the action -can acknowledge differences in points of view of characters -can use information from the illustrations and words in print to demonstrate understanding of characters setting, or plot -can compare and contrast two or more versions of the same story | <p>Literature: Prose & Poetry</p> <ul style="list-style-type: none"> -can ask and answer questions about the text -can retell stories, including key details, and explain the central message -can describe characters, setting, genre, and major events in a story -can identify words and phrases that suggest feeling or appeal to the senses -can explain major differences between books that tell stories and books that give information -can identify who is telling the story -can use illustration and details in a story to describe its characters, setting, or events -can compare and contrast the adventures and experiences of characters in stories |
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| <p>Writing</p> | <p>Opinion Pieces -introduce the topic -provide reasons that support opinion -use linking words and phrases to connect opinion and reasons -conclusion</p> <p>Explanatory/ Informative Texts -introduce topic and group related information together, include illustrations -include facts, definitions, and details -use linking words and phrases -conclusion</p> <p>Narratives -introduce narrator and/or characters -use dialogue and description of actions -use temporal word order (first, then, next) -sense of closure</p> | <p>Opinion Pieces -introduce the topic -provide reasons that support opinion -use linking words and reasons to connect opinion and reasons -add a concluding statement</p> <p>Explanatory/ Informative Texts -introduce topic -use facts and definitions to develop points -add a concluding statement</p> <p>Narratives -recount a well-elaborated event or short sequence of events -include details to describe actions, thoughts, and feelings -use temporal word order (first, then, next) -sense of closure</p> | <p>Opinion Pieces -introduce the topic or name the book -state an opinion -supply a reason for the opinion -provide some sense of closure</p> <p>Explanatory/ Informative Texts -name a topic -supply some facts -provide some sense of closure</p> <p>Narratives -recount two or more appropriately sequenced events -include some details regarding what happened -use temporal word order (first, then, next) -provide some sense of closure</p> |
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Curriculum Goals
Middle School Language Arts

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| Grammar & Language | <ul style="list-style-type: none"> -nouns, pronouns, verbs, adjectives, adverbs -regular and irregular plural nouns -regular and irregular verbs -simple verb tense -subject-verb agreement -pronoun-antecedent agreement -conjunctions -simple, compound, and complex sentences | <ul style="list-style-type: none"> -use collective nouns -use irregular plural nouns (feet, mice, fish) -use reflexive pronouns -use past tense of frequently occurring verbs -use adjectives and adverbs -use complete simple and compound sentences -can use context as a clue to the meaning of a word or phrase -can determine the meaning of a new word formed when a known prefix is added -can use a known root word as a clue to the meaning of an unknown word with the same root -can use the knowledge of the meaning of individual words to predict the meaning of compounds words -can use glossaries and dictionaries to clarify the meaning of words | <ul style="list-style-type: none"> -print all upper and lower case letter -use common, proper, possessive nouns -use singular and plural nouns with matching verbs -use verbs to convey past, present, and future -use adjectives -use conjunctions -use articles -use prepositions -can use context as a clue to the meaning of a word or phrase -can use frequently occurring affixes as a clue to the meaning of a word -can identify frequently occurring root works -can define words by categories and by one or more key attribute |
| Conventions | <ul style="list-style-type: none"> -capitalization -commas in addresses -commas and quotation in dialogue -possessives -suffixes | <ul style="list-style-type: none"> -capitalization (holidays, product names, geographic names) -use commas in greetings and closings of letters -use apostrophe to form contractions and frequently occurring possessives -generalize learned spelling patterns when writing words -consult reference materials as needed | <ul style="list-style-type: none"> -capitalization of dates and names of people -use punctuation for sentences -use commas in dates and to separate words in a series -spell untaught words phonetically |



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| <p>Speaking</p> | <ul style="list-style-type: none"> -can participate in a range of conversations and collaborations with diverse partners, building on others' ideas and expressing their own ideas clearly and persuasively -can evaluate a information presented in diverse media formats, including visually, quantitatively, and orally -can evaluate a speaker's point of view, reasoning, and use of evidence -can present information, findings, and supporting evidence -can memorize and recite short passages publicly | <ul style="list-style-type: none"> -can participate in a range of conversations and collaborations with diverse partners, building on others' ideas and expressing their own ideas clearly -can evaluate a speaker's point of view, reasoning, and use of evidence -can present information with supporting evidence -can memorize and recite short passages publicly | <ul style="list-style-type: none"> -can participate in a range of conversations and collaborations with diverse partners, building on others' ideas and expressing their own ideas clearly -can evaluate a speaker's point of view, reasoning, and use of evidence -can present information with supporting evidence -can memorize and recite short passages publicly |
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| Science | <p>How Living Things Function</p> <ul style="list-style-type: none"> -tell how plants use their parts to meet their basic needs -classify plants by their parts -describe how some plants have special parts that help them survive and reproduce in different environments -classify animals according to their characteristics -tell how animals lived long ago -tell how animals are in danger of becoming extinct -explain how plants and animals grow, reproduce, and die during their life cycles -describe how different organisms go through different stages in their life -tell how offspring resemble their parents <p>Living Things in Their Environments</p> <ul style="list-style-type: none"> -explain how all living things carry out life processes and have similar basic needs -tell how organisms in an ecosystem compete for resources and that population size depends of the resources and space available -tell how organisms adapt to their environments and can affect it is helpful and harmful ways -describe how all living things needs energy from the Sun in order to survive | <p>Plants & Animals</p> <ul style="list-style-type: none"> -can tell how plants use their parts to meet their needs -can group plants according to their structures -can describe the life cycle of a plant including developing into adults, reproducing, and dying -can tell how a plant closely resembles the plant from which it came -can sort animals according to their structural characteristics and ways of living (mammals, birds, reptiles, amphibians, and fish) -can tell how animals use their body parts to meet their needs -can explain how different animals have different body parts to help them live on land, in water, and in the air -can explain how living things produce offspring that resemble their parents but have individual differences -can describe how the life cycle stages are different for different animals -can tell how some animals change as they grow from baby to adult and that changing structures helps them function in different environments <p>Environments & Energy</p> <ul style="list-style-type: none"> -can tell how an environment is made up of plants and animals and nonliving things, such as soil, water, rocks, and air -can describe that two habitats in which living things meet their needs are a stream habitat and a woodland habitat -can explain how natural and human-made changes can affect the living things in an environment -can describe how living things get energy from food | <p>Living & Non Living Things</p> <ul style="list-style-type: none"> -can explain how living things need air, water, food, and space -can describe what living things need in difference locations -can describe how non-living things are different from living things <p>Plants & Animals</p> <ul style="list-style-type: none"> -can tell how characteristics of plants and animals can help survival -can identify some plants and animals that are extinct -can tell physical characteristics of plants -can tell some physical characteristics of animals -can explain ways plants and animals grow and change -can explain how groups of living things are alike and different -can explain how plants and animals are like their parents <p>Earth Science</p> <ul style="list-style-type: none"> -can tell that land, water, and living things are found on Earth -can describe the characteristics of rocks and soil -can explain some fast and slow ways Earth changes -can describe ways people use natural resources <p>Physical Science</p> <ul style="list-style-type: none"> -can identify what some objects are made of -can describe matter as a solid, liquid, or gas -can describe matter by its color, size, shape, weight, and texture -can sort like and different objects -can tell how objects are the same and/or different -can identify ways matter can change -can identify ways objects move -can describe the difference between a push or a pull -can describe the downward pull of gravity on objects -can tell how magnets make objects move |



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| | <p>-describe how energy in a food chain flows</p> <p>Earth's Surface</p> <ul style="list-style-type: none"> -can describe how Earth's surface is mostly made of water -can tell how Earth's crust is made of different types of rocks and undergoes slow and rapid changes -can tell how scientists study fossils to learn what Earth was like long ago -can describe that soil is composed of decayed organisms and bits of rock worn away from Earth's surface by erosion and weathering -can tell how people depend on natural resources for all their daily activities -can tell how people rely of fossil fuels and alternate energy resources to meet their energy needs -can tell how people can reduce pollution and save resources <p>The Earth in Space</p> <ul style="list-style-type: none"> -can describe how water changes state as it moves between Earth's surface and the atmosphere in the water cycle -can describe how weather takes place in the lowest of the atmosphere's four layers -can tell how climate is the average weather condition in an area over a long period of time | <ul style="list-style-type: none"> -can describe how food chains and food webs show how energy passes from one living thing to another -can tell how eating healthful foods from each food group gives humans energy and helps them stay healthy <p>Treasures from Earth</p> <ul style="list-style-type: none"> -can tell how rocks and soils have different properties that make them useful in different ways -can describe how weathering and erosion change Earth's surface -can tell how fossils provide clues about plants and animals that lived in the past -can explain how people use resources, such as air, water, soil, rocks, and plants -can tell how people can change the environment in harmful and helpful ways -can tell how people can conserve natural resources by reducing their use of natural resources and recycling and reusing items made from natural resources <p>Patterns in the Sky</p> <ul style="list-style-type: none"> -can explain weather changes in patterns over time -can tell how water moving from Earth to the air and back again is called the water cycle -can tell that weather conditions include precipitation and wind -can tell how the number of daylight hours changes with the seasons -can tell how people and other living things adjust to seasonal changes in weather -can tell how objects in our solar system, such as the Sun, the planets, and the Moon, have | <p>Inquiry</p> <ul style="list-style-type: none"> -can use tools to make careful observations -can ask questions about the observation of the natural world -can use tools to answer questions about the natural world -can record observation with picture, numbers, or words -can make measurements to collect data -can use observations to make comparisons -can tell why it is important to record careful observations -can identify tools to design and build things -can show how tools are used to complete everyday tasks -can show parts of a structure work together to do a job |
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| | <ul style="list-style-type: none"> -can tell how scientists use telescopes and space probes to study objects in space -can tell how the planets, their moons, and asteroids all orbit the Sun -can describe the planets -can tell how Earth rotates on its axis, causing day and night <p>Matter</p> <ul style="list-style-type: none"> -can tell how physical properties of matter can be observed with the sense and measured with tools -can separate matter by hand or by using tools according the properties of the substances in the mixture -can describe how energy causes motion or other changes in matter -can tell how light energy travels in waves that are reflected, refracted, or absorbed by different objects -can show how forces can change the motion of objects -can describe the distance, direction, and speed of matter -can tell how simple machines make work easier | <p>properties, locations, and movements that can be observed and described</p> <ul style="list-style-type: none"> -can explain how Earth's rotation causes day and night; Earth's revolution around the Sun causes the seasons -can tell how the reflection of the Sun's light on the Moon and the Moon's orbit around the Earth change how the Moon looks throughout a month -can tell that a star is a ball of hot gas <p>Matter & Energy</p> <ul style="list-style-type: none"> -can describe objects by their properties -can name the three states of matter -can measure matter and tell how matter takes up space -can put matter together to make a mixture -can change matter from one state to another -can tell how sound is made when matter vibrates -can tell how sound travels differently through different states of matter -can describe the pitch and volume -can describe an object by its position -can tell how force is a push or pull -can show how friction makes an object slow down -can measure motion -can use magnets | |
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| Social Science | <p>Living & Working Together in Families & Communities Now & Long Ago Students will explain ways that families long ago expressed and transmitted their beliefs and values through oral traditions, literature, songs, art, religion, community celebrations, mementos, and language. Students will compare the dreams, and the sources of strength and determination that families drew upon and shared.</p> <p>The History of Oregon & The Pacific Northwest Students will understand the history of indigenous peoples who first lived in Oregon and the Pacific NW. Students will understand the history of the first European, African, and/or Asian-Pacific explorers and settlers who came to Oregon.</p> <p>Democratic Values Students understand how the United States government was formed and of the nation's basic democratic principles set forth in the Declaration of</p> | <p>Me & My Family -can understand the difference between past and present -can explain various celebrations, traditions, and symbols that are important to a community</p> <p>Landforms & Continents -use maps to locate information -can name the seven continents -can name the oceans</p> <p>Emergency Preparedness & Fire Safety -can explain what to do in an emergency -know home telephone number and address</p> <p>Inventors & Innovators -can explain why an event is important</p> <p>African American Leaders & Women in History -identify social structures and leaders and their impact on the community -explain how people manage conflict, promote justice, and general welfare</p> <p>Communities & Careers -can describe the roles and responsibilities of members of the community</p> | <p>All About Me -can describe details about myself, interests, and family</p> <p>Apples -can describe apples trees in different seasons -can name several different types of apples</p> <p>Pumpkins -can describe the life cycle of a pumpkin</p> <p>Fire Safety -can explain home and school fire safety</p> <p>Inventions & Inventors -can tell what an invention is and name an inventor</p> <p>African American Leaders & Women in History -can use "if...then" statements to tell why events occur -can identify important leaders</p> <p>Celebrations & Traditions -can explain why events, symbols, and traditions are important</p> <p>Communities & Careers -can describe the roles and responsibilities of members of the community</p> <p>Taking Care of the Earth -can describe ways to conserve resources</p> |



Curriculum Goals
Middle School Enrichment Studies

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| | <p>Independence and the Constitution. Students will examine ordinary people who have exemplified values and principles of American democracy. Students will learn about U.S. presidents.</p> | | |
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Curriculum Goals
Middle School Enrichment Studies

| | 3 rd Grade: Cohos | 2 nd Grade: Dragonflies & Dragons | 1 st Grade: Kangaroos & Butterflies |
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| The Arts | <p>Music</p> <ul style="list-style-type: none"> -Students learn to read and write various notes and rhythms and their relationship to playing or singing them. -Students learn music themed vocabulary words to enhance their knowledge of music as a culture as well as understand marking indication in written music. -Students play various instruments and learn their importance in various pieces of music. -Students engage in music from around the world. They discuss the various origins of music styles and instruments and learn the correct playing and singing techniques for different parts of the world and instruments. -Students learn to play the piano, recorder, and guitar at a beginners level. -Students learn about different eras of music and composers. Students discuss musical characteristics of different composers and eras. Students are introduced to various pieces of the Baroque, Classical, and Romantic periods of music. | <p>Music</p> <p>Dynamics: Students learn musical vocabulary, which allows them to use and analyze dynamics in various pieces of music</p> <p>Tempo: Students learn musical vocabulary, which allows them to use and analyze tempo markings in various pieces of music.</p> <p>Instrumentation: Students learn various instruments and experience playing them alone and with others.</p> <p>Singing Students learn various singing styles and existence playing them alone and with others.</p> <p>Application Students participate in songs and dances which enhance musical knowledge and provide practice applying vocabulary and musical themes to performance</p> <p>Performance Students practice and perform a choral concert and a musical theater performance</p> <p>Art</p> <ul style="list-style-type: none"> -Color Theory: warm and cool color, complimentary colors -Symmetry: Complete the 2nd half of a drawing -Forest Landscapes | <p>Music</p> <p>Dynamics: Students learn basic musical vocabulary, and practice singing and playing instruments high and low.</p> <p>Tempo: Students learn basic musical vocabulary, and practice singing and playing instruments fast and slow.</p> <p>Instrumentation: Students learn various instruments and experience playing them alone and with others.</p> <p>Singing Students learn various singing styles and existence playing them alone and with others.</p> <p>Application Students apply vocabulary to performer pieces.</p> <p>Performance Students practice and perform a choral concert and a musical theater performance</p> <p>Art</p> <ul style="list-style-type: none"> -Color Theory: primary and secondary colors, color mixing -Design: zentangle patters -Forest Landscapes -Paper Seascapes -Pop-up Pictures -Self Portraits |



Curriculum Goals
Middle School Enrichment Studies

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| | <p>-Students play and discover western instruments and identify instrument families.</p> <p>-Students practice and perform in a choral concert and a musical theater performance.</p> <p>Art</p> <p>-Symmetry: Create symmetrical drawing of half of a magazine image.</p> <p>-Design: Create zentangle patterns.</p> <p>-Forest Landscapes</p> <p>-Self Portraits</p> <p>-Realistic Grid Drawings</p> <p>-Floral Oil Pastels</p> <p>-Art History: Create art in the style of Matisse, Van Gogh, Keith Haring, Eric Carle, Georgia O'Keefe, Monet, and 8-bit Art</p> | <p>-Pop-up pictures</p> <p>-Self Portraits</p> <p>-Step-by-step drawings</p> <p>-Silhouettes</p> <p>-Art History: Create art in the style of Matisse, Van Gogh, Keith Haring, Eric Carle, Georgia O'Keefe, Monet, and 8-bit Art</p> | <p>-Step-by-step drawings</p> <p>-Art History: Create art in the style of Matisse, Van Gogh, Keith Haring, Eric Carle, Georgia O'Keefe, Monet, and 8-bit Art</p> |
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Curriculum Goals
Middle School Enrichment Studies

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| Physical Education & Health | Fitness <ul style="list-style-type: none">-can identify changes to the body during and after exercise-can identify benefits of physical activity as a way to become healthier-can assess fitness levels and identify areas of strengths and weaknesses-can explain and demonstrate safety, rules, procedures and etiquette to be followed during participation in physical activities-can demonstrate teamwork and good sportsmanship by working cooperatively and encouraging others-can identify positive ways to resolve conflict-can work independently for periods of time in the gym-can give positive feedback |
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