ARKANSAS REFRIGERATOR CURRICULUM FOR KINDERGARTEN

ENGLISH LANGUAGE ARTS *
Aligned to Common Core State Standards
☐ Name and write uppercase and lowercase letters
☐ Match letters to sounds when reading and writing
☐ Learn and use new vocabulary words
☐ Identify words that rhyme
☐ Read common words such as the, of, you, are, she, and my
☐ Ask and answer questions about a story
☐ Identify characters, settings, and major events in a story
☐ Participate in discussions by listening and taking turns speaking
☐ Sort common objects into categories
☐ Express thoughts, feelings, and ideas clearly

MATHEMATICS *
Aligned to Common Core State Standards
☐ Count the number of objects in a group and compare the number of objects in two groups
☐ Compare two numbers to identify which is greater than or less than the other
☐ Understand addition as putting together and adding to and subtraction as taking apart and taking away from
☐ Add and subtract very small numbers quickly and accurately
☐ Represent numbers less than or equal to 10 in more than one way (e.g., 9=6+3 or 9=5+4)
☐ Find the number from 1 to 9 that can be added to a given number to reach 10 by using objects or drawings to represent the problem
☐ Solve addition and subtraction word problems involving numbers of 10 or less
☐ Represent addition and subtraction word problems by using objects or drawing pictures
☐ Count to 100 by ones and tens
☐ Understand that the place value of numbers from 11 to 19 contains ten ones and some leftover ones (e.g., 14=10+4)

SCIENCE
Aligned to Arkansas Curriculum Frameworks
☐ Learn by watching and gathering information from surroundings
☐ Identify objects in the sky: sun, moon, other stars, clouds, birds, airplanes
☐ Identify the five senses: hearing, seeing, smelling, tasting, touching
☐ Know the difference between living and non-living things
☐ Identify uses of electricity
☐ Identify basic life needs: water, food, air
☐ Describe the seasons

SOCIAL STUDIES
Aligned to Arkansas Curriculum Frameworks
☐ Identify water and land, AR, and the U.S. on maps and globes
☐ Use words related to location, direction, and distance
☐ Identify home address, school, and city
☐ Discuss differences and similarities in families and communities
☐ Recognize the importance of protecting air, land, and water
☐ Recognize the need for rules and consequences for violating rules
☐ Practice good citizenship and good manners
☐ Identify the governor, famous Arkansans, and the president
☐ Recognize state and national symbols and holidays
☐ Recognize all people have economic wants and needs and must make choices
☐ Discuss how and why people earn a living

* Adapted from the Council of the Great City Schools Parent Roadmaps to Common Core Standards: http://www.cgcs.org/domain/36
Additional resource: National PTA http://www.pta.org/4446.htm

You are your child’s first and most important teacher. We value your support in building a solid foundation to prepare your child for school. This is a list of concepts and skills that will help your child be successful in kindergarten. This list is only a sample and does not include everything that will be taught throughout the year.
ARKANSAS REFRIGERATOR CURRICULUM FOR FIRST GRADE

ENGLISH LANGUAGE ARTS *
Aligned to Common Core State Standards
- Read and retell stories demonstrating understanding of the lesson or moral of the story
- Ask and answer questions about a story, including characters, settings, and major events
- Explain differences between texts that tell stories and texts that provide information
- Identify who is telling the story at various points in a text
- Identify main topic and retell key details of an informative text
- Learn and use new vocabulary
- Participate in class discussions by listening, responding to what others are saying, and asking questions
- Use standard English when speaking and writing
- Write to describe an event, provide information on a topic, or share an opinion
- Select a topic, supply facts about the topic, and provide a sense of closure when writing

MATHEMATICS *
Aligned to Common Core State Standards
- Quickly and accurately add numbers that total 10 or less and subtract from numbers through 10
- Use the rules of addition and subtraction [e.g., Commutative Property 5+2=2+5; Associative Property (2+6)+4=2+(6+4)] to solve word problems that involve adding or subtracting numbers through 20
- Count to 120 starting at any number less than 120
- Understand that different digits in two-digit numbers represent tens and ones (e.g., 36=3 tens +6 ones)
- Compare two-digit numbers using the symbols > (more than), = (equal to), and < (less than)
- Add and subtract numbers through 100 using a one- and two-digit number (e.g., 35+4) and a two-digit number and a multiple of 10 (e.g., 35+30)
- Measure the lengths of objects using a shorter object as a unit of length
- Tell and write time in hours and half-hours
- Organize objects into categories and compare the number of objects in different categories
- Divide circles and rectangles into two and four parts and use the words halves, fourths, and quarters

SCIENCE
Aligned to Arkansas Curriculum Frameworks
- Learn by watching and gathering information from surroundings
- Safely conduct science investigations in teams
- Learn to group animals that are alike
- Learn the different life stages of plants and animals
- Identify materials as magnetic or nonmagnetic
- Learn how seasons change the weather
- Identify the difference between rock, land, and soil
- Identify human body parts: heart, lungs, brain, stomach, muscles, bones

SOCIAL STUDIES
Aligned to Arkansas Curriculum Frameworks
- Recognize symbols, cardinal directions, and physical features on a map
- Use directional words
- Know there are elements of culture (e.g., food, clothing, language, customs)
- Know and follow classroom/school rules
- Discuss the roles of family members and school personnel
- Demonstrate rights and responsibilities of good citizens
- Identify people and events observed in state and national celebrations and holidays
- Use chronological terms and determine sequential order of events on a timeline
- Know the difference between wants and needs, goods and services, and choices
- Recognize why people need various types of transportation

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Additional resource: National PTA http://www.pta.org/4446.htm

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ENGLISH LANGUAGE ARTS *
Aligned to Common Core State Standards
- Read stories, including fables and folktales from different cultures, and identify the lesson or moral of the story
- Acknowledge differences in the points of view of characters, including speaking in a different voice for each character when reading dialogue aloud
- Read texts about history, social studies, or science and identify the main idea
- Answer who, what, where, when, why, and how questions about stories and books to demonstrate understanding of key details
- Describe the reasons that an author gives to support a point
- Learn and use new vocabulary
- Use standard English when speaking and writing
- Participate in discussions by listening and building on what others say
- Write a short series of events and describe actions, thoughts, and feelings
- Write a book, using important details and examples to support an original opinion
- Introduce a topic, use facts and definitions to develop points, and provide a concluding statement or section when writing informative texts

MATHMATICS *
Aligned to Common Core State Standards
- Solve one- and two-step word problems by adding or subtracting within 100
- Understand that the place value of digits in a three-digit number represents hundreds, tens, and ones (e.g., 365 = 3 hundreds + 6 tens + 5 ones)
- Add and subtract numbers through 1000 using place value
- Add up to four two-digit numbers
- Count within 1000; skip-count by 5s, 10s, and 100s
- Quickly and accurately add numbers that total 20 or less and subtract from numbers through 20
- Estimate and measure lengths of objects in standard units of inches, feet, centimeters, and meters
- Solve addition and subtraction word problems involving length
- Solve word problems involving money
- Divide a rectangle into same-size squares
- Divide circles and rectangles into halves, thirds, or fourths
- Solve addition, subtraction, and comparison word problems using information presented in a bar graph

SCIENCE
Aligned to Arkansas Curriculum Frameworks
- Learn to ask questions about outside surroundings
- Identify characteristics of mammals, birds, and fish
- Learn about the function of plant parts: leaves, stems, flowers, roots
- Explore the relationship between force and motion
- Chart daily weather conditions
- Identify natural resources
- Explore the phases of the moon

SOCIAL STUDIES
Aligned to Arkansas Curriculum Frameworks
- Locate countries bordering the U.S., the N/S Poles, equator, continents, oceans
- Use cardinal directions
- Compare customs, lifestyle, and clothing of people in other parts of the world
- Identify people/groups who make, apply, and enforce rules and laws
- Understand and follow school, classroom, and community rules
- Discuss rights and responsibilities of citizens
- Understand the significance of state/national symbols, holidays, and events
- Recognize changes between the present and past within the community
- Identify wants/needs, producers/consumers, and goods/services in the community

You are your child’s first and most important teacher. We value your support in building a solid foundation to prepare your child for school. This is a list of concepts and skills that will help your child be successful in second grade. This list is only a sample and does not include everything that will be taught throughout the year.

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ARKANSAS REFRIGERATOR CURRICULUM
FOR THIRD GRADE

ENGLISH LANGUAGE ARTS *
Aligned to Common Core State Standards
☐ Read a wide range of stories and describe how a story teaches a lesson
☐ Describe characters in a story and how their actions contribute to events
☐ Read texts and answer questions about history, social studies, or science
☐ Refer to information from illustrations such as maps or pictures as well as the words in a text to support answers
☐ Use standard English when speaking and writing
☐ Learn and use new vocabulary, including words related to specific subjects (e.g., science words, social studies words)
☐ Participate in discussions by listening, asking questions, sharing ideas, and building on the ideas of others
☐ Write stories with dialogue, describing characters’ actions, thoughts, and feelings
☐ Gather information from books, articles, and online sources to learn more about a topic
☐ Write research or opinion papers over extended periods of time

MATHEMATICS *
Aligned to Common Core State Standards
☐ Solve two-step word problems by adding, subtracting, multiplying, or dividing numbers through 100
☐ Use place value to round whole numbers to the nearest 10 or 100
☐ Quickly and accurately add and subtract numbers through 1000
☐ Multiply one-digit whole numbers by multiples of 10 between 10 and 90. (e.g., 9 x 80 or 5 x 60)
☐ Multiply all one-digit numbers from memory (know the times table)
☐ Relate the measurement of area to multiplication and division
☐ Understand fractions as numbers and identify them on a number line
☐ Compare the size of two fractions (e.g., 1/2 = 2/4, 4/6 = 2/3)
☐ Express whole numbers as fractions and identify fractions that are equal to whole numbers (e.g., recognize that 3/1 and 3 are the same number)
☐ Estimate and measure liquid volumes and weights; solve word problems using grams, kilograms, and liters
☐ Tell and write time to the nearest minute and measure time intervals in minutes
☐ Represent and interpret data on a picture graph and bar graph
☐ Measure lengths using rulers marked with halves and fourths of an inch

SCIENCE
Aligned to Arkansas Curriculum Frameworks
☐ Learn to ask questions about outside surroundings
☐ Make predictions based on prior knowledge
☐ Safely use simple equipment and technology in scientific investigations
☐ Learn about sound waves
☐ Learn about different methods of producing electricity in Arkansas: coal, natural gas, nuclear, oil
☐ Become familiar with the respiratory system and muscular system
☐ Explore Earth’s materials: rocks, minerals, fossils, soils
☐ Learn about living and extinct animals

SOCIAL STUDIES
Aligned to Arkansas Curriculum Frameworks
☐ Know how to use a map legend/key
☐ Use maps to identify continents, oceans, lakes, mountains, states, cities
☐ Compare local community life with communities in other countries
☐ Understand citizens have rights and responsibilities
☐ Learn how people in families, schools, and communities set rules and solve problems
☐ Identify governmental leaders and famous Arkansans
☐ Identify examples of cultural contributions to history
☐ Develop and practice problem-solving methods

You are your child’s first and most important teacher. We value your support in building a solid foundation to prepare your child for school. This is a list of concepts and skills that will help your child be successful in third grade. This list is only a sample and does not include everything that will be taught throughout the year.

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Additional resource: National PTA http://www.pta.org/4446.htm
ARKANSAS REFRIGERATOR CURRICULUM
FOR FOURTH GRADE

ENGLISH LANGUAGE ARTS *
Aligned to Common Core State Standards
☐ Identify the theme or main idea of a story, play, or poem
☐ Compare stories from different cultures
☐ Compare and contrast the point of view from which different stories are told, including the difference between first and third person accounts
☐ Explain how an author uses facts, details, and evidence to support points; refer to these details/examples when drawing inferences from the text
☐ Read and interpret information presented in charts, graphs, timelines, and other illustrations
☐ Use standard English when speaking and writing
☐ Learn and use new vocabulary, including words related to specific subjects (e.g., science words, social studies words)
☐ Participate in discussions by listening, asking questions, sharing ideas, and building on the ideas of others
☐ Write stories with dialogue, describing characters’ actions, thoughts, and feelings
☐ Take notes and organize information from books, articles, and online sources to learn more about a topic
☐ Write research or opinion papers over extended periods of time

MATHEMATICS *
Aligned to Common Core State Standards
☐ Use place value to round multi-digit whole numbers to any place
☐ Compare two multi-digit numbers based on the meanings of the digits in each place, using the symbols > (more than), = (equal to), and < (less than)
☐ Multiply and divide multi-digit numbers
☐ Quickly and accurately add and subtract whole numbers up to 1 million
☐ Create a fraction and explain why it is equal to another fraction
☐ Add and subtract fractions and mixed numbers (whole numbers mixed with fractions) that have the same denominators; multiply a fraction by a whole number
☐ Compare the size of two fractions with different numerators (top numbers) and different denominators (bottom numbers)
☐ Convert fractions with denominators of 10 or 100 into decimals
☐ Compare decimals and fractions using the symbols > (more than), = (equal to), and < (less than)
☐ Locate decimals on a number line
☐ Solve multi-step word problems involving measurement and conversion of measurement from larger to smaller units (e.g., km, m, cm; kg, g; lb., oz.; l, ml; hr., min, sec.)
☐ Represent and interpret data using a line plot containing fractions
☐ Draw and identify lines and angles; classify shapes by properties of their lines and angles

SCIENCE
Aligned to Arkansas Curriculum Frameworks
☐ Conduct safe experiments with help
☐ Observe organisms with a microscope
☐ Recognize mammals, birds, fish, amphibians, and reptiles
☐ Become familiar with the digestive system, circulatory system, and nervous system
☐ Learn how plants and animals adjust to their environment
☐ Learn about changes in weather
☐ Understand the relationship between magnets and electricity
☐ Experiment with static and current electricity, including simple circuits
☐ Describe cultural characteristics of diverse populations in AR and the U.S.
☐ Learn about physical characteristics, natural resources, and industries of Arkansas
☐ Identify some specific rights/responsibilities
☐ Discuss reasons for human settlement patterns (e.g., jobs, climate, family)
☐ Identify the three branches of government in the U.S.
☐ Examine the meaning of the Pledge of Allegiance
☐ Identify major historic events that occurred during the 20th century in AR and the U.S.
☐ Use economic terms in solving economic problems

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ARKANSAS REFRIGERATOR CURRICULUM FOR FIFTH GRADE

ENGLISH LANGUAGE ARTS *

Aligned to Common Core State Standards
- Determine the theme of a story, play, or poem, including how characters respond to challenges
- Describe how a narrator’s or speaker’s point of view influences how events are described
- Compare and contrast stories that deal with similar themes or topics
- Explain how authors use reasons and evidence to support points or ideas
- Draw on information from multiple books, articles, or online sources to locate an answer or to solve a problem quickly
- Use standard English when speaking and writing
- Learn and use new vocabulary, including words related to specific subjects (e.g., science words, social studies words)
- Participate in discussions by listening, asking questions, sharing ideas, and building on the ideas of others
- Write research or opinion papers over extended periods of time

Add, subtract, multiply, and divide decimals to the hundredths place
Add and subtract fractions with different denominators
Multiply a fraction by a whole number or another fraction
Divide fractions by whole numbers and whole numbers by fractions
Measure volume using multiplication and addition
Convert like measurement units within a given measurement system (e.g., convert 5cm to 0.05m)
Represent and interpret data using a line plot containing fractions
Classify two-dimensional figures into categories based on their properties

SCIENCE

Aligned to Arkansas Curriculum Frameworks
- Conduct safe experiments with help
- Actively investigate topics of interest. Suggestions include the following:
  - Grow plants under various conditions (e.g., more or less sunlight, water, fertilizer)
  - Examine how various materials like a mirror, wood, or water reflect or absorb light energy
  - Investigate how crystals are formed
  - Examine a variety of rocks and minerals found in Arkansas
- Build a model of a plant or animal cell with common materials (e.g., modeling clay, construction paper, dried pasta)
- Research to discover how plants and animals get the energy they need
- Observe plants and animals in a given area and investigate food webs
- Learn about careers and contributions of scientists
- Identify the relationship of atoms to matter
- Summarize how light and heat influence matter
- Build and use simple machines (e.g., wheel and axle, lever)
- Learn about the objects and planets in our solar system

SOCIAL STUDIES

Aligned to Arkansas Curriculum Frameworks
- Locate and explain the importance of major river systems in AR and the U.S.
- Discuss the differences and similarities among various types of maps used by geographers
- Describe customs, celebrations, and traditions of racial, ethnic, and religious groups in AR and the U.S.
- Recognize factors that influence migration
- Describe the system of checks and balances in government
- Identify elected state and federal officials
- Identify the founding documents that helped establish the U.S.
- Research and discuss contributions of significant individuals and explorers

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You are your child’s first and most important teacher. We value your support in building a solid foundation to prepare your child for school. This is a list of concepts and skills that will help your child be successful in fifth grade. This list is only a sample and does not include everything that will be taught throughout the year.
ENGLISH LANGUAGE ARTS *

Aligned to Common Core State Standards
- Provide detailed summaries of texts
- Determine the theme or central idea of a text and how it is conveyed through particular details
- Use a range of reading strategies to determine the meaning of unknown words in a text
- Integrate information presented in different media or formats (e.g., visually, numerically) to develop a coherent understanding of a topic or issue
- Understand the figurative and connotative (implied) meaning of words and phrases
- Identify and evaluate specific claims or arguments in a text
- Support written claims or arguments with clear reasons and relevant evidence
- Produce clear and coherent writing appropriate to the task, purpose, and audience
- Participate in discussions about various texts and topics
- Conduct short research projects to answer a question
- Use precise language and subject-specific vocabulary

MATHEMATICS *

Aligned to Common Core State Standards
- Understand and apply the concepts of ratios and unit rates (e.g., the ratio of wings to beaks in a flock of birds is 2 to 1 because for every 2 wings there is 1 beak) to solve real-world and mathematical problems
- Divide fractions by fractions using both visual models and equations to show the problem
- Quickly and accurately add, subtract, multiply, and divide multi-digit decimals
- Find the greatest common factor of two numbers less than or equal to 110 and the least common multiple of two number less than or equal to 12
- Understand and use rational numbers (fractions, decimals, and percentages)
- Understand that positive and negative numbers are used together to describe quantities having opposite directions or values
- Use pairs of numbers, including negative numbers, as coordinates for locating or placing a point on a graph
- Write and determine the value of expressions with whole-number exponents (e.g., \(15^3\))
- Identify and write equivalent mathematical expressions by applying the properties of operations (e.g., recognize that \((3\times x)\) is the same as \(6\times 2x\))
- Understand that solving an equation such as \(2 + x = 12\) means answering the question: What number does \(x\) have to be to make this statement true?
- Represent and analyze the relationships between independent and dependent variables
- Solve problems involving area, surface area, and volume
- Understand statistical variability and summarize distributions

SCIENCE

Aligned to Arkansas Curriculum Frameworks
- Actively investigate topics of interest. Suggestions include the following:
  - Model the layers of earth
  - Examine the body systems of plants and animals in a variety of ways (e.g., computer simulations, models)
  - Create and use simple and compound machines
  - Compare the density of common items (e.g., rocks, marbles, cork, candle wax) using a water displacement
  - Create a model representing the phases of the moon
- Learn how energy is transferred
- Discover ways that plants and animals have adapted to their environment (e.g., teeth, horns, fur, coloration, wings, type of seed, thorns)
- Research selective breeding in plants and animals
- Explore landforms found in Arkansas (e.g., mountains, plateaus, earthquake faults)
- Use available technology to research contemporary scientists

SOCIAL STUDIES

Aligned to Arkansas Curriculum Frameworks
- Illustrate population, climate, weather patterns on selected types of maps, charts, and graphs
- Examine the cultural contributions of people from different places
- Discuss roles and responsibilities of the three branches of government
- Discuss how rights and laws in the U.S. were created
- Examine the founding documents
- Analyze the importance of citizen participation
- Analyze the impact of scientific and technological innovations on AR and the U.S.

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ENGLISH LANGUAGE ARTS *

Aligned to Common Core State Standards
- Analyze how the form or structure of a play or poem contributes to its meaning
- Analyze how particular elements of a story or play interact (e.g., how the setting shapes the characters or plot)
- Determine how an author develops and contrasts the points of view of different characters or narrators in a text
- Conduct short research projects, drawing on several sources and identifying related questions for further research and investigation
- Compare and contrast a text to an audio, video, or multimedia version of the text, analyzing each medium’s portrayal of the subject (e.g., how the delivery of a speech affects the impact of the words)
- Engage in a range of discussions on topics and texts, expressing ideas clearly and building on the ideas of others
- Identify a speaker’s argument and specific claims and evaluate the reasoning and evidence behind these claims
- Introduce a topic clearly, previewing what is to follow, and develop the topic with relevant facts, definitions, concrete details, quotations, or other information and provide a concluding statement when writing informative texts
- Write for a range of purposes and audiences

Use precise language and subject-specific vocabulary to inform or explain the topic

MATHEMATICS *

Aligned to Common Core State Standards
- Analyze proportional relationships and use them to solve real-world problems in various ways, including using tables, graphs, and equations
- Identify the unit rate of change (the constant rate at which the value of a variable changes) in tables, graphs, equations, and verbal descriptions
- Determine whether two quantities are in a proportional relationship and use knowledge of rates, ratios, proportions, and percentages to solve multi-step problems (e.g., simple interest, tax, markups and markdowns)
- Solve problems using equations to find the value of one missing variable
- Describe situations in which positive and negative quantities combine to make 0 and understand that numbers cannot be divided by 0
- Solve multi-step word problems by adding, subtracting, multiplying, and dividing positive and negative rational numbers in any form (e.g., whole numbers, fractions, or decimals)
- Use variables to represent quantities and construct simple equations and inequalities (for example, 5x +2 > 10) to solve problems

Use properties of operations (add, subtract, factor, and expand linear expressions with rational coefficients) to generate equivalent expressions
- Draw, construct, and describe geometrical figures and describe their relationships
- Solve problems involving angle measure, area of two-dimensional objects, formula for circumference of a circle, and volume and surface area of three-dimensional objects

You are your child’s first and most important teacher. We value your support in building a solid foundation to prepare your child for school. This is a list of concepts and skills that will help your child be successful in seventh grade. This list is only a sample and does not include everything that will be taught throughout the year.
ENGLISH LANGUAGE ARTS *
Aligned to Common Core State Standards
☐ Identify what a reading selection explicitly says and draw inferences based on evidence from the text
☐ Determine a theme or central idea of a text and analyze its development over the course of the text, including its relationship to the characters, setting, and plot
☐ Evaluate the argument and specific claims in a text, assessing whether the reasoning is sound and the evidence is relevant and sufficient
☐ Connect information and ideas efficiently and effectively in writing
☐ Analyze the purpose of information presented in diverse media formats, such as video clips or interactive maps
☐ Evaluate the advantages and disadvantages of using different mediums (such as print, or digital text, video, or multimedia) to present a particular topic or idea
☐ Participate in discussions on various topics, texts, and issues by expressing ideas and building on the ideas of others
☐ Introduce a topic clearly, previewing what is to follow, and develop the topic with relevant, well chosen facts, definitions, concrete details, quotations, or other information and provide a concluding statement or section that supports the information or explanation when writing informative texts
☐ Organize ideas, concepts, and information into broader categories
☐ Develop a large vocabulary of multi-use academic words and phrases; use precise language and subject-specific vocabulary

MATHEMATICS *
Aligned to Common Core State Standards
☐ Understand that every rational number (e.g., ½, 0.3, 2, or -2) can be written as a decimal, but that the decimal form of an irrational number (e.g., √2) is both non-repeating and infinite
☐ Know and apply the properties of integer exponents (e.g., positive numbers, negative numbers, or 0) to write equivalent expressions (e.g., 4² × 4³ = 4⁵)
☐ Determine the value of square roots of small perfect squares (e.g., √49 = 7) and cube roots of small perfect cubes (e.g., √64 = 4)
☐ Understand the connections between proportional relationships, lines, and linear equations
☐ Graph proportional relationships and interpret the unit rate as the slope (how steep or flat a line is)
☐ Analyze and solve linear equations (equations that make a straight line when they are graphed, such as y=2x+1) and systems of linear equations involving two variables
☐ Define, evaluate, and compare functions, and use functions to model relationships between quantities
☐ Understand that a function is a rule that assigns to each value of x exactly one value of y, such as y=2x, a rule that would yield such ordered pairs as (-2,-4), (3,6), and (4,8)
☐ Compare the properties of two functions represented in different ways (e.g., table, graph, equation, description)
☐ Use physical models, transparencies, or other tools to show that similar objects have the same shape but different sizes (e.g., a small square magnified into a larger square) and determine congruence (when shapes are of equal size and shape)
☐ Verify the properties of rotations, reflections, and translations and describe their effects on two-dimensional figures using coordinates
☐ Learn and apply the Pythagorean Theorem (an equation relating the lengths of the sides of a right triangle: a² + b² = c²)
☐ Solve problems involving the volume of cylinders, cones, and spheres
☐ Investigate patterns of association and analysis of two variables

You are your child’s first and most important teacher. We value your support in building a solid foundation to prepare your child for school. This is a list of concepts and skills that will help your child be successful in eighth grade. This list is only a sample and does not include everything that will be taught throughout the year.

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