

KINDERGARTEN AT-A-GLANCE

MATH SOL

NUMBER AND NUMBER SENSE

- K.1** Identify “more, fewer, and same”, given two sets
- K.2** Given fifteen items, count the number in the set orally; write the numeral; select the correct numeral from a group
- K.3** Order positions: first through tenth, right to left, left to right, top to bottom, bottom to top
- K.4** Count forward to 100 and backwards from 10; identify one more than and one less than; count by 5’s and 10’s to 100
- K.5** Identify parts of a set that represent halves and fourth

COMPUTATION & ESTIMATION

- K.6** Add, subtract up to 10 concrete items

MEASUREMENT

- K.7** Recognize penny, nickel, dime, quarter and determine value of a collection of pennies and/or nickels to 10 cents
- K.8** Identify instruments of measurement: ruler-length; scale-weight; clock, calendar, day, month, year-time; thermometer-temperature
- K.9** Tell time to the hour, analog or digital
- K.10** Compare two objects or events, using direct comparisons or nonstandard units, according to one or more attributes: length, height, weight, temperature

GEOMETRY

- K.11** Identify, describe, and trace plane geometric figures: square, circle, triangle, rectangle; compare the size and shape of plane geometric figures
- K.12** Describe the location of one object relative to another and identify plane geometric figures regardless of their position and orientation in space

PROBABILITY & STATISTICS

- K.13** Gather data by counting and tallying
- K.14** Display objects and information in object/picture graphs and tables and will answer questions related to the data

PATTERNS, FUNCTIONS, & ALGEBRA

- K.15** Sort and classify objects according to size, shape, and color
- K.16** Identify, describe, and extend a repeating pattern

SCIENCE SOL

SCIENTIFIC INVESTIGATION, REASONING, & LOGIC

- K.1** Plan and conduct investigations:
 - Identify basic characteristics or properties of objects by direct observation
 - Observe from multiple positions
 - Sequence objects by size
 - Sort objects into two groups using a single physical characteristic
 - Measure length, mass and volume of objects with non-standard units
 - Predict unseen member in a sequence of objects
 - Develop question and prediction from one or more observations
 - Record observations
 - Construct picture graphs
 - Recognize unusual or unexpected results in an activity
 - Describe objects by drawing and talking
- K.2** Investigate human senses:
 - Know five senses and corresponding sense organs
 - Know sensory descriptors

FORCE, MOTION, & ENERGY

- K.3** Magnets:
 - Magnetism and its effects
 - Useful applications

MATTER

- K.4** Describe objects in terms of position, motion, and physical properties:
 - Colors
 - Shapes and forms
 - Textures and feel
 - Relative size and weight
 - Relative position and speed
- K.5** Test and observe the properties of water and water flow:
 - Different phases
 - Flows downhill
 - Some things float, others sink

LIFE PROCESSES

- K.6** Differences between living and nonliving objects:
 - Classify all things as living or nonliving
 - Living organisms have certain characteristics including growth, movement, response to environment, having offspring, and the need for food, air, and water
- K.7** Basic needs and life processes of plants and animals:
 - Animals need adequate food, water, shelter, air, and space to survive
 - Plants need nutrients, water, air, light, and a place to grow to survive
 - Change as they grow, have varied life cycles and eventually die
 - Offspring are similar but not identical to parents or to one another

INTERRELATIONSHIPS IN EARTH/SPACE SYSTEMS

- K.8** Shadows occur when light is blocked by an object:
 - Shadows occur in nature when sunlight is blocked by an object
 - Shadows can be produced by blocking artificial light sources

EARTH PATTERNS, CYCLES, & CHANGE

- K.9** Simple repeating patterns in everyday life:
 - Weather observations
 - Shapes and forms in nature including seeds, cones, and leaves
 - Animal and plant growth

- K.10** Changes occur over time and rates may be fast or slow:

- Happen to natural and man-made things
- Can be observed and measured

EARTH RESOURCES

- K.11** Materials: reuse, recycle, conserve
 - Materials/objects can be used over and over again
 - Everyday materials can be recycled
 - Water and energy conservation at home and in school helps ensure resources are available for future use

ENGLISH SOL

ORAL LANGUAGE

- K.1** Demonstrate growth in the use of oral language.
 - Listen to a variety of literary forms, including stories and poems.
 - Participate in choral speaking and revise short poems, rhymes, songs, and stories with repeated patterns.
 - Participate in creative dramatics.
 - Begin to discriminate between spoken sentences, words, and syllables.
 - Recognize rhyming words.
 - Generate rhyming words in a rhyming pattern.
- K.2** Use listening and speaking vocabularies.
 - Use number words.
 - Use words to describe/name people, places, and things.
 - Use words to describe location, size, color, and shape.
 - Use words to describe actions.
 - Ask about words not understood.
 - Follow one-step and two-step directions.
 - Begin to ask how and why questions.

- K.3** Use listening and speaking vocabularies.

- Begin to follow implicit rules for conversation, including taking turns and staying on topic.
- Express ideas and needs in complete sentences.
- Begin to use voice level, phrasing, and intonation appropriate for language situation.
- Listen and speak in informal conversations with peers and adults.
- Begin to initiate conversations.
- Participate in discussions about books and specific topics.

- K.4** Hear, say, and manipulate phonemes (small units of sound) of spoken language.
 - Identify orally words that rhyme.
 - Identify words orally according to shared beginning or ending sounds.
 - Blend sounds orally to make words or syllables.
 - Divide one-syllable words into sounds (phonemes).
 - Divide words into syllables.

READING

- K.5** Understand how print is organized and read.
 - Hold print materials in the correct position.
 - Identify the front cover, back cover, and title page of a book.
 - Follow words from left to right and from top to bottom on a printed page.
 - Match voice with print: syllables, words, and phrases.
- K.6** Demonstrate an understanding that print makes sense.
 - Explain that printed materials provide information.
 - Identify common signs and logos.
 - Read ten high-frequency words.
 - Read and explain own writing and drawings.
- K.7** Develop an understanding of basic phonetic principles.
 - Identify and name the uppercase and lowercase letters of the alphabet.
 - Match consonant and short vowel sounds to appropriate letters.
 - Identify beginning consonant sounds in single-syllable words.

- K.8** Demonstrate comprehension of fiction and nonfiction.
 - Use pictures to make predictions about content.
 - Retell familiar stories, using beginning, middle, and end.
 - Discuss characters, setting, and events.
 - Use story language in discussions and retellings.
 - Identify what an author does and what an illustrator does.
 - Identify the topics of nonfiction selections.

WRITING

- K.9** Print the uppercase and lowercase letters of the alphabet independently.
- K.10** Print his/her first and last names.
- K.11** Write to communicate ideas.
 - Draw pictures and/or use letters and phonetically spelled words to write about experiences, stories, people, objects, or events.
 - Write left to right and top to bottom.
- K.12** Explore the uses of available technology for reading and writing.

HISTORY SOL

- K.1** Recognize that history describes events and people from other times and places, as well as those honored by different holidays:
 - Pocahontas, Powhatan, George Washington, Betsy Ross, Abraham Lincoln
 - Thanksgiving Day, Martin Luther King, Jr. Day, Presidents’ Day, Independence Day(Fourth of July)
- K.2** Describe everyday life in the present and the past, and begin to recognize that things change over time.
- K.3** Describe the relative location of people, places, and things by using positional words: near/far, above/below, left/right, behind/ in front.

K.4 Will use simple maps and globes to:

- develop an awareness that a map is a drawing of a place to show where things are located;
- a globe is a round model of the Earth
- describe places
- locate land and water features

K.5 Develop an awareness that maps and globes:

- Show a view from above
- Show things in smaller size
- Show the position of objects

K.6 Match simple descriptions of work that people do with the names of these jobs

K.7 Recognize that people make choices because they cannot have everything they want; Explain that people work to earn money to buy the things they want

K.8 Demonstrate that being a good citizen involves:

- taking turns and sharing
- taking responsibility for certain classroom chores
- taking care of personal belongings and respecting what belongs to others
- following rules and understanding consequences for breaking those rules practicing honesty, self-control, and kindness to others.
- Participate in decision-making in the classroom

K.9 Recognize the American flag, the Pledge of Allegiance, and that the President is the leader of the United States



KINDERGARTEN SOL AT-A-GLANCE Salem City Schools

English, Reading, Writing, and Speaking: The Kindergarten Standards of Learning in English call for students to be immersed in a literature-rich environment to develop oral language skills and an appreciation and desire to read literature. A variety of fiction and nonfiction, including stories about historical figures, provides students with opportunities to speak and write. By the end of kindergarten, students will know the letters of the alphabet, identify beginning consonants in single syllable words, recognize rhyming patterns, identify story elements, and communicate ideas through pictures and writing.

Math: The Kindergarten Standards of Learning in Math place emphasis on counting, to 30; combining, sorting, and comparing sets of objects left to right, top to bottom, large to small, less to more; recognizing and describing simple patterns, including counting by 5's and 10's; and recognizing shapes and sizes of figures and objects (squares, rectangles, circles, and triangles). Kindergarten students use concrete materials to add and subtract whole numbers up to ten. Students are instructed using the specialized vocabulary and language patterns of math concepts, skills, and symbols.

History: The Kindergarten Standards of Learning for History include an introduction to interesting Americans in history whose lives demonstrated the virtues of patriotism, courage, and kindness. During the course of their first year in school, students should learn basic concepts related to history, patriotism, national symbols, good citizenship, geographic location, economics, and the importance of following rules and respecting the rights and property of other people.

Science: The Kindergarten Standards of Learning for Science stress the use of basic science skills to explore common materials, objects, and living things. With emphasis placed on using one's senses to gather information, students develop basic science skills (posing simple questions, measuring, sorting, classifying, and communicating information about the natural world) as they learn about life processes and properties of familiar materials such as magnets and water. The concept of change is introduced by studying light and shadows, patterns of weather, and plant growth. The significance of natural resources and conservation is also introduced.