

Math

- Compare and order numbers
- Tell and solve number stories
- Tell time on $\frac{1}{4}$ hour, $\frac{1}{2}$ hour and 1 hour
- Find the value of penny/nickel combinations
- Convert number words to numerals
- Distinguish between even/odd numbers
- Count: add & subtract on the number line
- Measure w/non-standard units
- Identify length and weight capacities
- Compare/order according to measurable attributes
- Recognize, extend, and analyze patterns
- Identify the place value of numbers
- Add two digit numbers
- Collect data, make bar graphs, interpret graphs, tables and data
- Compare two or more sets to solve problems
- Identify possible and impossible results of probability of events
- Translation, reflections and rotations
- Symmetry
- Compare and sort 2D and 3D objects
- Count and make change
- Identify fractional parts of a whole
- Identify and write equivalent fractions
- Determine the median and mode
- Calculate elapsed time
- Solve number stories with two digit addition
- Solve comparison number stories
- Solve simple number sentences with variables

The vision of Spencer Technology Academy is to create a learning environment that expose our students to a rigorous curriculum, utilizing technology as a driving force to "move our students beyond their immediate."

The mission of Spencer Technology Academy is to offer students a comprehensive curriculum that is engaging and encourages them to enjoy the process of learning. We are committed to providing students a quality education, encompassing Math, Science, and Reading, while utilizing technology and real-life experiences as the means to enhance classroom instruction.

This curriculum guide is designed to give parents and students alike a clear representation of the academic goals an expectations of a particular grade level. Please utilize this information to support your child's quest to pursue a quality education.

Materials are available to you from our school to assist you with helping your child achieve these academic goals. The materials can be taken home for your own personal use. If you have any questions or concerns, please feel free to contact your child's classroom teacher.

Sincerely,

Mr. S.L. Jackson, Principal

Visit www.spencertech.org



FIRST GRADE CURRICULUM GUIDE

Spencer Technology Academy

*"Moving Students
Beyond the Immediate"*



Spencer Technology Academy

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A First Grade Seahawk Student must have:

Literacy

A. Phonics and Word Knowledge

- Blend or segment phonemes in one-syllable words.
- Demonstrate phonemic awareness by counting syllables, hearing rhyme, alliteration, onset and rime of sounds in words.
- Use letter-sound correspondence to sound out unknown words.
- Recognize 100-300 age-appropriate sight words.
- Use a variety of decoding strategies (phonics, word patterns, context clues) to recognize new words in age appropriate text.

B. Reading Comprehension and Fluency

- Read aloud with fluency, accuracy, rhythm, and volume that sounds like everyday speech.
- Use background knowledge to predict and justify what will happen next in stories.
- Retell a story with a beginning, middle and end.
- Distinguish between poetry and prose.
- Describe and compare characters, setting, and events in stories and pictures.
- Re-enact and retell stories, songs, poems, and plays.
- Select books at an appropriate reading level.
- Read independently in a sustained way for a period of time.

C. Writing and Spelling

- Use age-appropriate pre-writing strategies to generate and organize ideas.
- Write simple (subject/verb/complement) sentences.
- Create own written text for others to read (i.e. lists, notes cards, picture labels).
- Use basic punctuation (end marks) and capitalization.
- Produce a variety of types of compositions (e.g. stories, descriptions, charts, journal entries).
- Apply new vocabulary to written composition.
- Use basic components of writing process (prewriting, drafting, publishing) to develop narratives.
- Use phonetic spelling to attempt unknown words.
- Spell correctly three and four letter short vowel words.
- Spell high frequency, phonetically regular long vowel words correctly and some irregular sight words.

D. Listening and Speaking

- Listen to and comprehend appropriate content material.
- Express ideas clearly, think creatively, and organize information in ways appropriate to first grade.
- Speak in a clear audible voice.
- Participate in class discussion by contributing ideas and asking questions.
- Listen to and respond politely and appropriately to other speakers.

Technology

Basic Operations and Concepts:

- Use input devices (e.g., mouse, keyboard, remote control) and output devices (e.g., monitor, printer) to successfully operate computers, VCRs, audiotapes, and other technologies.

- Use a variety of media and technology resources for directed and independent learning activities.
- Communicate about technology using developmentally appropriate and accurate terminology.
- Use developmentally appropriate multimedia resources (e.g., interactive books, educational software, elementary multimedia encyclopedia) to support learning.

Social, ethical, and human issues:

- Work cooperatively and collaboratively with peers, family members, and others when using technology in the classroom.
- Demonstrate positive social and ethical behaviors when using technology.
- Practice responsible use of technology systems and software

Technology productivity tools:

- Use a variety of media and technology resources for directed and independent learning activities.
- Create developmentally appropriate multimedia products with support from teachers, family members, or student partners.
- Use technology resources (e.g., puzzles, logical thinking programs, writing tools, digital cameras, drawing tools) for problem solving, communication, and illustration of thoughts, ideas, and stories.

Technology Communication tools:

- Gather information and communicate with others using telecommunications, with support from teachers, family members, or student partners.