



Pythagoras Children's Academy

Kindergarten Curriculum Guide

Math

Kindergarten uses *Everyday Mathematics* by McGraw Hill

Below are some of the concepts taught:

- Counts orally to 100
- Recognizes numbers to 100
- Writes numbers to 100
- Counts by 2s, 5s, 10s, to 100
- Counts backwards from 50
- Recognizes and extends patterns
- Composes and Decomposes numbers
- Identifies geometric shapes
- Compares quantities
- Properly makes and counts tally marks
- Identifies and counts coins: penny, nickel, dime, quarter
- Collects, records, and interprets data
- Understands addition and subtraction
- Understands greater than, less than, equal to
- Recognizes tools of measurement
- Estimates numbers of objects
- Solves story problems

Science (themes integrated in the curriculum)

Themes include: What is science, tools safety, five senses, pumpkins, mass and matter, properties of water, water cycle, magnets, space, weather and seasons, oral hygiene, 100 days of school, nocturnal animals, natural resources, rocks/soil, Earth Day, recycling, animal life-cycle, food chain.

Social Studies (themes integrated in the curriculum)

Themes include: families & friends, our community, our world, citizenship, holidays, presidents, famous Americans, US States, Pillars of Character.

Technology

- Uses age appropriate software
- Basic keyboard and mouse control
- Ergonomics

ELA (English, Language Arts)

For Reading, ELA, and Writing we use Schoolwide Fundamentals. Schoolwide's Fundamentals Units of Study are designed to meet the instructional needs of literacy educators, with a particular focus on usability and effectiveness. Built using the workshop model, Schoolwide's units teach students to be critical thinkers, readers, and writers by using proven, research-based best practices for reading and writing instruction.

The units of study include:

- Launching Unit
- Non-Fiction
- Fiction
- Poetry
- Content Literacy: My Place In The World, Schools Help Us Learn, Plants, Weather All Around Us

Writing:

- Launching Unit
- How Writer's Work
- Personal Narrative
- Informational List and Labeling
- Functional Writing

Phonics:

Michael Heggerty: The daily lessons in all versions contain the same ten skills: Letter Naming, Rhyming, Onset Fluency, Blending, Identifying Final and/or Medial Sounds, Segmenting, Adding Phonemes, Deleting Phonemes, Substituting Phonemes, and Language Awareness.

Reading:

Kindergarten follows the framework of the Daily 5/CAFE model: Read to Self, Word Work, Listen to Reading, Work on Writing, Read to Someone.

Skills taught:

- Recognizes and identifies the letters of the alphabet (both upper & lower case)
- Knows all consonant and vowel sounds
- Appropriately reads and spells all high frequency words introduced
- Displays directionality
- Retells stories in correct sequence
- Comprehends and answers questions appropriately
- Compares and contrasts familiar characters in stories
- Identifies story elements (characters, setting, problem, solution)
- Predicts story outcomes
- Engages in Fiction and Non-Fiction reading activities
- Tells the meaning of unknown and multiple meaning words
- Understands the difference between author and illustrator
- Participates in class discussions
- Contributes to class research
- Identifies rhyming words
- Segments and blends phonemes in words
- Uses nouns and verbs
- Reads beginning books fluently

Writing Readiness

- Print first and last name correctly
- Spell high frequency words introduced
- Write two or more complete sentences
- Capitalize the first word in a sentence
- Use end punctuation
- Add details to writing
- Publish writing using technology