

WHAT FOURTH GRADERS SHOULD KNOW AT CAMELOT ELEMENTARY

Mandatory requirements from Orange County Public Schools for promotion to 5th grade

- Student will score above a Level 1 on the FCAT Reading Comprehension test. OR
Student will score in at least the 17th percentile on the NRT/SAT-9 Reading. OR
Student will score at least a 37 (instructional level) on the DRP test.

Fourth Grade Curriculum at a Glance

READING

The student...

- Predicts using prior knowledge, captions and headings
- uses strategies to determine meaning and increase vocabulary (ex., multiple meaning words, antonyms, root words)
- develops vocabulary, monitors reading on or above grade level by rereading, self-correcting, summarizing & questioning
- identifies main idea, details, makes inferences and identifies the sequence of events, author's purpose, examples of fact, fiction or opinion, and recognizes and understands comparison and contrast, cause/effect & sequence of events

WRITING

The student...

- scores 3.5 or above on the Florida Writes exam
- writes using the writing process and the six writing traits of ideas, organization, word choice, sentence fluency, voice, and conventions.

MATHEMATICS

The student...

- uses **number sense** to masters all basic facts, read, write, compare, and identify whole numbers, fractions, mixed numbers and decimals to the hundredths
- locates numbers on the number line, and identifies equivalent and non-equivalent forms of numbers
- uses estimation to solve problems and determines the operations needed to solve one-step and two-step problems
- knows factors and multiples of numbers to 100
- uses **measurement** to measure length, area, volume and perimeter
- knows time intervals and common angle measures, and uses schedules, calendars and elapsed time to solve problems
- compares length, weight and capacity using standard and non standard units
- solves problems with estimated length, width, time, temperature and money
- estimates the area and perimeter of a polygon and the volume of a rectangular prism
- uses **geometry and spatial sense** to describe the attributes of two-dimensional and three-dimensional figures
- performs flips, slides, 90 and 180 degree turns and tessellations
- knows how area and perimeter are affected when geometric figures are combined
- knows how to identify, locate and plot ordered pairs of whole numbers
- uses **algebraic thinking** to describe and creates numerical and geometric patterns, and
- analyzes number patterns
- solves problems with equations or inequalities using models or graphs
- uses **data analysis and probability** to choose a title, labels and interprets information on a graph
- interprets and completes circle graphs using common fractions
- identifies the mean, median, mode and range
- records the possible outcomes of an experiment using common fractions
- determines the statistical measures for data and explains the results

SOCIAL STUDIES

The student...

- studies Florida History from pre-historic times to the present.

SCIENCE

The student...

- investigates several science units using scientific observations and skills.
- explores different science topics including life science, earth science, physical science, and space & technology.

Ideas for helping your child at home

Language Arts

- Encourage your child to read from many sources including magazines, newspapers, non-fiction and fiction books.
- Provide experiences in writing such as family journals, diaries and learning logs.

Mathematics

- Help your child figure the amount of change when shopping. Teach him/her how to count back money.
- Allow your child to survey the family (ex., favorite foods, color or car) and make a bar, line or picture graph.
- Practice basic multiplication and division facts *ON A DAILY BASIS* using flash cards or practice problems.
- Identify, label and discuss all the geometric shapes found inside and outside your home.
- Have your child assist with recipes and preparing meals.