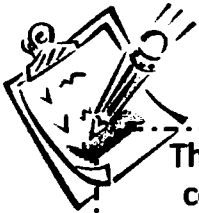




RCSD Henry Lomb School No. 20

Grades K-6

Grade Level Expectations



This document was designed to provide an emphasis on the importance of the mastery of key concepts and skills taught at various grade levels in order to support the successful learning path of students. It is not a replacement of the New York State Performance Standards, nor is it supplemental and it does not include all of the standards taught for each subject. It merely highlights many important grade level skills and concepts that are essential and build upon one another as students progress through elementary school (K-6). Mastery of the skills included are indicators that students are prepared for the next grade level of instruction and will be more likely to meet and/or exceed the National, New York State and District Learning Standards.

RCSD School No. 20 Grade Level Expectations

Fourth Grade

Welcome to fourth grade! This is a very exciting time for both you and your child - a year of new horizons and possibilities. This year contains another leap: toward independent work. The major goal of fourth grade is to write essays which use several kinds of sentence structures, express a relatively coherent thought, and use major punctuation correctly. In math, fourth grade is a time of consolidation. Expect your child to be familiar with fractions, decimals, long division, measurement and basic geometry like lines and angles. To meet these goals, the fourth graders undertake a rigorous curriculum which meets and exceeds the standards set by the New York State Department of Education. The education of students is a responsibility shared by both educators and parents. Therefore, Parents should be aware of what is expected of their child. This sheet contains an overview of the essential skills and concepts in Reading, Writing, Math, Science and Social Studies that students will need to master by the end of the year to be considered proficient. These expectations were developed by the Teachers and Administrators at RCSD Henry Lomb School No. 20.

Reading

- DRA reading level 50
- Reads fluently w/ comprehension
- Reads independently for at least 30 minutes
- Effectively uses reading strategies (inferences, self-questioning, visualization, cause & effect, predictions, understanding characters etc...)
- Exposure to at least 4 genres
- Dolch word list (grade level appropriate)
- Able to respond to literature using New York State Standards
- Gets information from expository text (text books)

Writing

- Writing with voice
- Character development
- Writes with sensory details
- Writes with details and dialogue
- Uses transitional phrases
- Research skills with internet and encyclopedia
- Uses pronouns, adverbs, and adjectives
- Story structure (B/M/E)
Intro/body/conclusion
- Uses sophisticated language
- Uses a variety of writing strategies
- Responds to questions (short & extended responses)

Math

- Knows multiplication/division facts to 12
- Problem solving strategies - uses multiple strategies and more than 1 way to solve
- Builds arrays
- 3 digit dividend by 1 digit divisor
- Multiply 2 digit by 2 digit
- Knows add/subtract like fractions, mixed numbers
- Decimals (hundredths place), decimal placement,
- Fractions $\frac{1}{4}$, $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{5}$, & $\frac{1}{6}$
- Place value up to 10,000
- Algorithms
- Numbers written in standard, expanded & written form, decomposes #'s
- Probability (likely, unlikely, certain, uncertain & ratio)
- Geometric patterns (rotational symmetry)
- Area, perimeter
- Exposure to angles, classify acute, obtuse, straight and right angles
- Identify line segments, rays, parallel, perpendicular intersecting
- Knows 1, 2 & 3 dimensional figures
- Identifies a variety of polygons
- Reads, interprets and creates graphs, charts and tables

RCSD School No. 20 Grade Level Expectations

Fourth Grade

Science

- Knows the roles plants and animals play in their environments?
- Knows what the properties of electricity and magnetism?
- Observe, describe, and explore the physical properties of water: Color, texture, odor, sound, Changes in shape, Changes in the amount of space occupied
- Describe the Water Cycle.
- Knows water is recycled by natural processes on earth (precipitation, evaporation & condensation)
- Predict and investigate the effect of heat energy on objects and materials. (e.g., change in temperature, melting, evaporation)
- Describe the physical changes of materials.
- Knows how natural events affect our world? (earthquakes, volcanoes, hurricanes, tornadoes, floods and fires)
- Observe, investigate, and record examples of physical and chemical weathering.
- Describe how erosion processes (action of gravity, wind, and water) cause surface changes to the land.
- Collects & organizes data
- Represents data and results in more than one way (tables, graphs, drawings or diagram)

Social Studies

- Land forms
- New York State History
 - Significant cities
 - Waterways
 - Resources
 - Erie canal
- Government
 - Supply/demand
 - Resources
 - Entrepreneur
 - Economics