### GRADE 2: EXPLANATION OF ACADEMIC CODE

<table>
<thead>
<tr>
<th></th>
<th>4 Exceeds Standards</th>
<th>3 Meets Standards</th>
<th>2 Works Toward Standards</th>
<th>1 Performs Below Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Consistently expands upon standards for grade level</td>
<td>Consistently achieves standards for grade level</td>
<td>Meets some standards for grade level</td>
<td>Seldom meets standards for grade level</td>
</tr>
<tr>
<td></td>
<td>Applies higher level thinking to expand knowledge, skills, vocabulary and strategies</td>
<td>Understands and applies knowledge, skills, vocabulary and strategies</td>
<td>Sometimes understands and applies knowledge, skills, vocabulary and strategies</td>
<td>Seldom understands and applies knowledge, skills, vocabulary and strategies</td>
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<tr>
<td></td>
<td>Applies problem solving skills to new situations</td>
<td>Demonstrates problem solving skills</td>
<td>Sometimes demonstrates problem solving skills</td>
<td>Seldom demonstrates problem solving skills</td>
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### GRADE 2: EXPLANATION OF STANDARDS

#### MATHEMATICS – *The student will...*

- **Problem Solving and Reasoning**
  - use appropriate and efficient strategies to solve problems
  - explain one’s thinking and describe a strategy that leads to a correct answer

- **Number Sense**
  - understand and use numbers as organized groups of tens and hundreds
  - identify, count, write, group, and compare numbers through 999
  - identify and write unit (e.g. ½, ¼) fractions

- **Number Sentences/Basic Facts**
  - estimate, solve and create addition and subtraction problems with numbers through 99

- **Measurement**
  - use objects and tools to measure and compare length, area, perimeter, weight, volume, time, temperature and money

- **Geometry**
  - identify, describe, sort and compare 2-D (e.g. circle, triangle) and 3-D geometric figures (e.g. cylinder, cone)

- **Patterns**
  - recognize, describe, extend, create and translate (copy with different materials) patterns

- **Recording and Interpreting Data**
  - read, create and interpret simple graphs
  - record and use information (data) to predict what might happen

- **Mental Math**
  - use efficient, flexible and accurate ways to mentally solve number problems
  - recall basic addition and subtraction facts through 18

#### ORAL LANGUAGE – *The student will...*

- expand listening and speaking vocabularies
- use more complex sentences to speak
- give and follow directions
### READING – *The student will*...

**Phonetic Principles**
- use knowledge of word patterns, sounds and written print to decode, or read, words

**Vocabulary**
- understand and use unfamiliar words, including synonyms (e.g. big/large), and antonyms (e.g. big/little)
- use and apply vocabulary and context clues (e.g. grammar, surrounding text) to read unfamiliar words and determine their meanings

**Comprehension**
- use various strategies such as previewing, predicting, questioning, and rereading to make sense of written material
- use knowledge, skills and strategies to independently read and demonstrate understanding of written material

**Fluency**
- read aloud with expression, accuracy and comprehension
- use expression and phrasing to convey meaning when reading aloud

### WRITING – *The student will*...

**Components of the Writing Process**
- write daily and revise selected pieces
- participate in the writing process (prewriting, writing, revising, editing, publishing)
- focus on one topic when writing
- independently generate ideas for writing
- write stories with a beginning, middle and end

**Communicates Ideas**
- use descriptive words to elaborate on ideas when writing sentences
- write for a variety of purposes and audiences

**Mechanics and Usage**
- use correct capitalization and punctuation (mechanics) when writing and editing
- write in complete sentences with correct grammar (usage)
- use nouns and pronouns correctly

**Spelling**
- use correct spelling for high frequency sight words, compound words and vowel patterns when writing

### SCIENCE – *The student will*...

**Concepts, Facts, Principles and Vocabulary**
- demonstrate an understanding of magnets, matter, plants, animals, weather, erosion, and plant products

**Recording and Interpreting Scientific Data**
- predict, collect and organize information (data), make observations, and explain the results and conclusions of simple experiments

### SOCIAL STUDIES – *The student will*...

**History**
- demonstrate an understanding of the contributions of ancient China and Egypt, compare the lives of American Indians, and compare changes in community life

**Geography**
- locate features and places on a map
- study land, climate and plant life in specific regions
- use map skills to create simple maps

**Economics**
- learn about natural (water), capital (tools) and human (people at work) resources, barter, money and scarcity

**Civics**
- learn about Americans who improved the lives of others, explain the responsibilities of a good citizen, and understand how diverse people improve their community