**What Incoming 4th Graders Need to Know**

The following are essential learnings and expectations for graduating 3rd graders, as identified by 4th grade teachers.

### Math
- Add/subtract multi-digit numbers
- Define product/quotient
- Understand key words in real world problems
- Find whole numbers on number lines
- Recognize patterns
- Use protractors and rulers
- Skip count
- Create a graph
- Multiply 1 x 1 digit problems
- Identify fractions based on visuals

### Reading
- Basic phonics skills
- Read and comprehend a book/passage at a 3rd grade level
- Write a summary for a fiction or nonfiction text at a 3rd grade level
- Define antonym, synonym and homonym
- Use knowledge of basic prefixes, suffixes, and root words to decode a unfamiliar word
- Understand the difference between facts and opinions
- Identify similar ending sounds
- Use context clues to decode a word (prefixes, suffixes, synonyms, antonyms, etc.)
- Identify main ideas and details of a 3rd grade level text
- Use evidence from the text to identify character traits
- Identify the structural elements of a poem (stanzas, line breaks, etc.)

### Writing
- Understand when to use past, present, and future tense verbs
- Use transition words to link ideas in writing (next, then, etc.)
- Capitalization and punctuation
- Some pre-fix and suffixes (common- un, dis, ly)
- Plural vs. Singular nouns
- Write a 5 sentence paragraph
- How to indent
- Which way the paper should face (ex: holes on the left)

### Science
- Use a ruler, thermometer, scale, etc.
- List items that use energy
- Define property
- Explain what a cycle is
- Identify ways germs are spread
- Make predictions/hypotheses
- Answer questions about data
- Draw a conclusion from data

<table>
<thead>
<tr>
<th>Social Studies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Identify cities, states, countries and continents</td>
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<tr>
<td>Identify types of bodies of water</td>
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<tr>
<td>Understand that people come from different places and different backgrounds</td>
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