## Essential Element, Linkage Levels, and Mini-Map
### Math: Grade 3
#### M.EE.3.NBT.2

<table>
<thead>
<tr>
<th>Grade-Level Standard</th>
<th>DLM Essential Element</th>
<th>Linkage Levels</th>
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</table>
| M.3.NBT.2 Fluently add and subtract within 1000 using strategies and algorithms based on place value, properties of operations, and/or the relationship between addition and subtraction | M.EE.3.NBT.2 Demonstrate understanding of place value to tens | Initial Precursor  
- Recognize separateness  
- Recognize set  
Distal Precursor  
- Explain ten as a composition of ten ones  
Proximal Precursor  
- Recognize multiple tens and something  
- Compose numbers based on tens  
Target  
- Explain place value for ones and tens  
Successor  
- Explain the relationship between rounding and place value  
- Explain place value for hundreds |

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<table>
<thead>
<tr>
<th>How is the Initial Precursor related to the Target?</th>
<th>How is the Distal Precursor related to the Target?</th>
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<tbody>
<tr>
<td><strong>Initial Precursor:</strong> Understanding place value starts with students working on early counting skills. Educators demonstrate and provide explicit lessons on the conceptual and procedural knowledge of number names, number sequence, one-to-one correspondence, cardinality, abstraction principle, and order irrelevance principle all within a context of counting concrete, pictorial, and numeral representations. Educators will support students by counting anything and everything, helping them to notice when things are grouped together and when they are separate.</td>
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<tr>
<td><strong>Distal Precursor:</strong> At this level, students are provided lessons on recognizing equivalence in sets with same items and then with different items. Educators will also have students compare sets and make basic ordinal judgments (e.g., a set has more and fewer disks than the comparison set) using models (e.g., ten-frame, number line, arrays, etc.) of ten as the benchmark for which these comparisons are made.</td>
<td></td>
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</tbody>
</table>

A diagram showing the relationship of nodes in the mini-map appears below.

*Key to map codes in upper right corner of node boxes:*

- IP Initial Precursor
- DP Distal Precursor
- PP Proximal Precursor
- SP Supporting
- S Successor
- UN Untested
- T Target
M.EE.3.NBT.2- Demonstrate understanding of place value to tens