UNIT PLANNING TOOL

Unit: Place Value

CCSSM: 3.NBT.1 - Use place value understanding to round whole numbers to the nearest 10 or 100.
3.NBT.2 - Fluently add and subtract within 1,000 using strategies and algorithms based on place value, properties of operations, and/or relationships between addition and subtraction.

Math Practices being emphasized:
0. Model with mathematics
0. Attend to precision
0. Look for and make use of structure.

Essential Questions
why is place value important?
How are addition and subtraction related?
How can we effectively estimate numbers?

Pre and Post Assessments
Stepping Stones or teacher-generated

Key Concepts
The value of a digit in a number
Whole numbers / partial numbers
Rounding using a number line
Rounding why and where the split is

Visual Models of Concepts

Algorithms/Diagrams
— in the — place
— in the — place

Connections (Real World Applications)
Place Value gives value to how we count / measure things, like money $1 vs $10
Estimating (rounding)

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**Language Functions/Structures**

Identify:
The value of the ____ digit in ____ is ____.
The digit ____ is in the ______ place.

Prepare:
The number ____ will round to ____; but the number ____ will round to ____ because _____.

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**Vocabulary**

<table>
<thead>
<tr>
<th>Ones</th>
<th>Place Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tens</td>
<td>Digit</td>
</tr>
<tr>
<td>Hundreds</td>
<td>Millions</td>
</tr>
<tr>
<td>Thousands</td>
<td>Whole Numbers</td>
</tr>
</tbody>
</table>

**Focus and Motivation**

- A Million Fish, More or Less by Pat McKissack
- Sir Cumference and All the King's Tens by Cindy Neuschwander

**Activity**

- I Have, Who Has
- Study Jam
  - Name
  - Place Value
  - Rounding