General Unit Plan Template

| Course: Unit Plan |  |
| :---: | :---: |
| Time (Month or Days): Jan. 3rd - Feb. 17th (34 days) | Unit: 3 |
| Big ideas: Multiplication/ Area/Shapes | Essential questions: <br> How can we fluently multiply within 100 ? <br> How can you solve problems that involve more than one step? <br> How can you use multiplication and division facts to solve problems? <br> How can you find the total number of objects in equal groups? <br> What are arrays, and how do they show multiplication? |
| Prerequisite <br> - Skip count <br> - Equal groups <br> - Add and subtract | Student learning targets: <br> 1. Use strategies to recall facts when needed. <br> 2. Describe patterns in addition and multiplication charts. <br> 3. Represent multiplication with equal groups. <br> 4. Represent multiplication with arrays. <br> 5. Tile to find the area of a rectangle. <br> 6. Measure the area of a shape by covering it with square units and counting the number of unit squares used. (3.md.6) <br> 7. Describe a square unit. <br> 8. Describe area as the measure of space within a plane figure <br> 9. Explain the relationship between tiling and multiplying side lengths to find the area of rectangles. <br> 10. Explain why area is measured in square units. (3.MD.5) <br> 11. Use area models to explain the commutative property. <br> 12. Use area models to explain the distributive property. <br> 13. Explain patterns in multiplication for example (even $x$ even $=$ even, odd $x$ odd $=$ odd, and odd $x$ even $=$ |


|  |  |  |  | ven) (3.OA.9) elate repeated presentations .OA.A.1) <br> ultiply one-dig etermine the ultiplication and uch as in the f $\begin{aligned} & x 9=?, 8 \times ? \\ & 7=?, ? \div 6= \end{aligned}$ <br> .OA.A.4) <br> ecall basic fa <br> se place value ultiply multipl $9 \times(8 \times 10)=$ $=(9 \times 50)+$ xplain how mu ultiples of 10 cts. (e.g. $4 \times 5$ tens, so $4 \times$ | ition to ultiplication. <br> mbers by 10 . wn number in vision problems ing examples: $\text { , ? x } 3=27,28$ <br> and $35 \div ?=7$. <br> quickly. properties to 10 (e.g., $9 \times 80$ <br> 8) $\times 10$; or $9 x$ <br> 30). (3.NBT.3) <br> cation with ated to basic , $4 \times 5$ tens $=$ 200). |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | TEAC <br> 20 <br> 21 <br> 22 | NG AND TES <br> epresent a m vision word odels, drawi quations. olve word pro ultiplication se estimation etermine if an asonable. | STRATEGIES <br> lication or lem with and <br> with vision. related facts to rs are |
| Standards | Vocabulary | Skills |  | Activities (Resources) | Assessment |
| *3.OA.A.3- Use multiplication within 100 to | Equal groups Arrays, repeated addition, skip | Use multipli solve w | ation, rd |  |  |


| solve word <br> problems <br> involving equal <br> groups/arrays | counting, groups <br> of, pattern, row, <br> column | problems |  |  |
| :--- | :--- | :--- | :--- | :--- |
| *3.OA.C.7- <br> Fluently multiply <br> within 100 | Factor, multiple, <br> product, pattern, <br> multiply | Fluently multiply |  |  |
| *3.OA.D.8- Solve <br> two-step word <br> problems using <br> multiplication |  | Solve two-step <br> word problems |  |  |
| 3.MD.C.7- Relate <br> area to <br> multiplication <br> and addition <br> (area) | Area, <br> quadrilateral, <br> attribute, side <br> length, square <br> unit, tiling | Relate area | Area word <br> problem |  |
| 3.OA.A.1- Interpret <br> products of whole <br> numbers | Whole number | Interpret <br> products |  |  |
| 3.MD.5- concepts <br> of area | Understand the <br> concept of area |  |  |  |
| 3.OA.9- arithmetic <br> patterns odd and <br> even | Odd, even <br> 3.OA.A.4- <br> determine the <br> unknown number <br> in a multiplication <br> equation <br> 0 | Unknown <br> number, equation | Determine the <br> unknown number <br> and even |  |
| 3.NBT.3- multiply <br> by multiples of 10 | Droperty |  |  |  |
| 3.OA.B.5- apply <br> properties | Commutative <br> property, zero <br> property, identity <br> property, | Apply properties |  |  |


| 3.MD.6-Counting <br> unit squares | Count square <br> units |  |  |
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| Instructional Dates: 34 |  |  |  |
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