MATH YEAR AT A GLANCE – grade 3 (*see next pages for Elaborations)*

*This is a suggested sequence for teaching concepts and content in a grade 3 year. It is not meant to be prescriptive, but supportive, to newer teachers who want a sense of how a year might roll out.*

*Concepts are first taught in the ‘full’ 45 – 60 min. lesson (that is, ‘Before-Explore-Connect-practice’). Once they are established, they are ‘rolled over’ into the daily 5-10 min. ‘Number Sense Routine’ which can happen before the full lesson, or at a different time of the day. This allows for deeper mastery, for sharing of strategies and for concepts to get ‘into their bones’.*

*Note: In grade content 6/14 outcomes are Number Sense, and 3/14 are Patterns and Algebra. Only 4/14 are the other strands – time, 3D shapes and data).* ***64% of the Content is Number and Algebra, so 64% of your math time should be, too.***

Grade 3:

Sept.

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| Number Sense Routine (5-10 min/day) | * Introduce Number talks/routines using Shumway. Fosnot, Lempp
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| Full Lessons (45 – 60 min/day) | * Build Math community & Growth Mindset (see Van de Walle, Boaler)
* Number Concepts to 1000
* One-to-one correspondence with bar graphs, pictographs, charts and tables *–often best done through socials and Science inquiries*
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Oct-Nov.

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| Number Sense Routine (5-10 min/day) | Number concepts to 1000 (count arounds, daily number) |
| Full Lessons (45 – 60 min/day) | * Addition and subtraction facts to 20 (emerging computational fluency)
* Pattern rules using words, pictures and numbers, based on concrete experiences
* Construction of 3D shapes
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Dec-Jan.

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| Number Sense Routine (5-10 min/day) | Basic Facts strategies |
| Full Lessons (45 – 60 min/day) | * Addition and subtraction to 1000
* Financial literacy – fluency with coins and bills to 100 dollars, and earning and payment *- connect to the bullet above*
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Feb-Mar

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| --- | --- |
| Number Sense Routine (5-10 min/day) | 2-digit & 3-digit mental math addition and subtraction  |
| Full Lessons (45 – 60 min/day) | * Multiplication and division concepts
* Increasing and decreasing patterns *- connect to the bullet above*
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April-May

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| Number Sense Routine (5-10 min/day) | Multiplication and division mental math strategies |
| Full Lessons (45 – 60 min/day) | * Fraction concepts
* Measurement, using standard units (linear, mass, and capacity) *- connect to the bullet above*
* Time concepts *- connect to first the bullet above*
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June

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| Number Sense Routine (5-10 min/day) | Fraction organic number line, review of previous routines (see above) |
| Full Lessons (45 – 60 min/day) | * *Review number concepts - solidify*
* One-step addition and subtraction equations with an unknown number
* Likelihood of simulated events, using comparative language
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