

Lakewood School Numeracy Goal 2021-2022

Step 1 Identify Action Area	Step 2 Broad Outcome	Step 3 Desired student products and performance	Step 4 Required student knowledge, skills and dispositions
Number Sense K-5	To strengthen students' understanding of number sense	Students will: By June 2022: 90% of all Kindergarten to Grade 5 students will meet or exceed end of year number sense goals for their grade level (a level of 3 or 4 on their individualized academic program) Identify themselves as having a growth mindset and being a math learner	Students will: Have discussions about what math is and growth mindset ideas (K-1) Complete a growth mindset survey at the beginning of the year and at the mid- point of the year (Gr. 2-5) Demonstrate their understanding of number in a variety of ways (using math tools, manipulatives, journals, one-on-one performance tasks, etc.) Use a variety of strategies flexibly when operating with numbers Communicate their understanding of number both orally and in writing See themselves as confident and capable math learners

<p align="center">Step 5</p> <p align="center">Desired teaching products and performances</p>	<p align="center">Step 6</p> <p align="center">Required teacher knowledge and dispositions</p>	<p align="center">Step 7</p> <p align="center">Desired team produce and performances</p>	<p align="center">Step 8</p> <p align="center">Required team knowledge, skills and dispositions</p>
<p>Teachers will:</p> <p>Administer the growth mindset survey at the beginning of the year and at the mid-point of the year (Gr. 2-5)</p> <p>Begin to familiarize themselves with the Divisional Common Assessment tools</p> <p>Implement daily classroom math routines with a focus on number (such as: counting collections, choral counting, Esti-Mysteries, number talks, etc.)</p> <p>Develop a community of learners who are comfortable taking risks, sharing ideas, making mistakes and taking ownership for their learning</p> <p>Use their understanding of making thinking visible and building thinking classrooms to support deep learning</p>	<p>Teachers will:</p> <p>Continue to develop an understanding of how to effectively facilitate a growth mindset</p> <p>Collect and purchase materials to develop the understanding of number</p> <p>Use a numeracy continuum to track student growth and progression from K to 5 (focus on mental math strategies, counting and representing number by the beginning of October)</p> <p>Explore various resources about visible and deep learning</p>	<p>Our Team will:</p> <p>Meet regularly to monitor student progress in number and plan for next steps</p> <p>Classroom teachers will identify students requiring additional support in developing number sense</p> <p>Resource, in conjunction with classroom teachers and co-teachers, will provide support/strategies for identified students</p> <p>Our numeracy PLC team will investigate resources and share successes and challenges with colleagues</p>	<p>Our Team believes:</p> <p>All students are able to do math using a variety of strategies and utilizing different learning styles.</p> <p>Students need to be allowed to discover, try new things, and make mistakes in order to deepen their learning.</p> <p>A safe and engaging environment affects students' mathematical mindsets and, in turn, their performance.</p> <p>Visual math improves performance.</p> <p>Collaboration fosters mathematical understanding and confidence.</p> <p>Perseverance in math is essential for success.</p> <p>Numeracy should be taught cross curricularly.</p>