

Trinity Lutheran School

Curriculum Framework for: **Math**

✠ **Philosophy** ✠

God has created an orderly, systematic universe. Mathematics is a useful and unique God-given universal language that facilitates the ability to appreciate the created order God has given us and further advances the understanding of our modern, high-tech world. The development of mathematics abilities prepares students for lives of responsible Christian service to His church and the community.

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✠ **Broad Goals** ✠

From a Christ-Centered Perspective, Students Will:

1. *know and understand numbers, how they relate to each other, and be fluent in using math computations correctly and accurately.*
2. *analyze and find the unknown using patterns, relationships, functions, symbols, and graphs*
3. *observe and analyze two and three-dimensional shapes and demonstrate spatial reasoning.*
4. *understand the measurable attributes of objects and apply the appropriate techniques, tools, and/or formulas to determine measurement.*
5. *formulate a question and organize theoretical or experiential data to make predictions as to what the outcome will be.*
6. *apply and adapt a variety of appropriate strategies to solve problems encountered in life.*
7. *select and use various types of mathematical reasoning and methods of proof.*
8. *Communication: explain clearly and precisely mathematical processes to peers, teachers, & others.*
9. *understand how mathematical ideas interconnect and build on one another to produce a complete set of skills*
10. *create and use visual aides to organize, record, and communicate ideas to solve*

problems and interpret data.