

## **Incarnate Word School**

### **Math – Subject Area Goals**

- Students will understand numbers, ways to represent numbers, relationships among numbers, and number systems.
- Students will understand meanings of operations and how they relate to each other.
- Students will understand patterns, relations, and functions used to solve algebraic problems.
- Students will compute fluently and make reasonable estimates.
- Students will identify geometric objects and use visualization, spatial reasoning, and geometric modeling to solve problems.
- Students will demonstrate an understanding of both customary and metric units of measure.
- Students will apply appropriate techniques, tools, and formulas to determine measurements.
- Students will formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them.
- Students will use critical thinking skills to apply and adapt a variety of appropriate strategies to solve problems.
- Students will recognize reasoning and proof as fundamental aspects of mathematics.
- Students will communicate mathematically, both written and oral, using a variety of tools, including technology.
- Students will apply problem solving and critical thinking skills across the subject areas and outside the classroom.