

# SECOND GRADE Mathematics Course of Study

The second grade mathematics course of study consists of four domains of focused study. The four domains are Operations and Algebraic Thinking, Number and Operations in Base Ten, Measurement and Data, and Geometry. Please note the abbreviations for each domain. Under each domain are the sub-categories that serve to group related content standards. All second grade mathematical content standards are located on the pages that follow.

The Diocesan Standards for Practice are listed below in the column to the right. These Diocesan standards should be incorporated into classroom instruction of the content standards.

## Content Standard Domains and Sub-categories

### Operations and Algebraic Thinking (OA)

- Represent and solve problems involving addition and subtraction.
- Add and subtraction within 20.
- Work with equal groups of objects to gain foundations for multiplication.

### Number and Operations in Base Ten (NBT)

- Understand place value.
- Use place value understanding and properties of operations to add and subtract.

### Measurement and Data (MD)

- Measure and estimate lengths in standard units.
- Relate addition and subtraction to length.
- Work with time and money.
- Represent and interpret data.

### Geometry (G)

- Reason with shapes and their attributes.

## Diocesan Standards for Practice

### For student:

Students will make connections to Gospel values across content areas.

Student will develop and demonstrate critical thinking, perseverance, and strong work habits.

Students will be reflective, considerate problem solvers.

Students will **develop** and demonstrate the ability to be moral evaluators and socially responsible global citizens.

### For the classroom:

Gospel values will be modeled through effective instruction, cultural sensitivity and an environment of continuous improvement.

Students will be assessed frequently, fairly and with consideration for the whole child.



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