

Dear Parents,

We will begin our next unit of study in math soon. The information below will serve as an overview of the unit as you work to support your child at home. If you have any questions, please feel free to contact me. I appreciate your on-going support.

Sincerely,

Your Child's Teacher

Unit Name: The Coordinate System
Common Core State Standards: 5.G.1 Use a pair of perpendicular number lines, called axes, to define a coordinate system, with the intersection of the lines (the origin) arranged to coincide with the 0 on each line and a given point in the plane located by using an ordered pair of numbers, called its coordinates. Understand that the first number indicates how far to travel from the origin in the direction of one axis, and the second number indicates how far to travel in the direction of the second axis, with the convention that the names of the two axes and the coordinates correspond (e.g., x -axis and x -coordinate, y -axis and y -coordinate). 5.G.2 Represent real world and mathematical problems by graphing points in the first quadrant of the coordinate plane, and interpret coordinate values of points in the context of the situation.
Essential Vocabulary: <ul style="list-style-type: none">• coordinate plane• x-axis• y-axis• ordered pair• origin
Unit Overview: <p>This unit only focuses on the first quadrant (positive numbers) in the coordinate plane. Students will use ordered pairs to plot points and solve real-world mathematics problems that includes data over time. Students will also solve problems of missing points in geometric figures, such as squares, rectangles, and parallelograms. Mathematically proficient students communicate precisely by engaging in discussion about their reasoning using appropriate mathematical language.</p>
Strategies/Skills: <p>Students will use coordinate grids to plot points, identify points, and connect points. Students will find missing points of geometric figures, connect dots to create a line graph showing data over time, and compare two line graphs on a coordinate grid.</p> <ul style="list-style-type: none">• coordinate grids
Video Support: <ul style="list-style-type: none">• No videos referenced for this unit.
Additional Resources: <p>If you have limited/no internet access, please contact your child's teacher for hard copies of the resources listed in this document.</p> <ul style="list-style-type: none">• NCDPI Unpacking Document: 5th Grade Unpacking Document