

Creating, Analyzing, and Interpreting Line Graphs

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In this unit which was created for third graders, students will learn the foundations of Mathematical Modeling and begin to examine the Cycle of Inquiry for Mathematical Modeling. Students will gather data, and use it to create line graphs. They will analyze and interpret their graphs and given graphs. Students will study what happens when scales vary, axes are switched, and other factors are introduced. Video clips will supplement the lesson on scales, as well as a graph on racecar track and greyhound race times. A final project will offer students a variety of modalities from which they can display their understanding of the unit.