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6 principles for quantitative reasoning and modeling.

Math. Teach. (Reston) 108, No. 1, 24-30 (2014).

Summary: Encouraging students to reason with quantitative relationships can help them develop, understand, and explore mathematical models of real-world phenomena. Through two examples – modeling the motion of a speeding car and the growth of a Jactus plant – this article describes how teachers can use six practical tips to help students develop quantitative reasoning. (ERIC)

Classification: M50 M60 M10

Keywords: problem-based learning; motion; teaching methods; speed; modeling; quantitative reasoning; growth of a plant

<http://www.nctm.org/publications/article.aspx?id=42697>