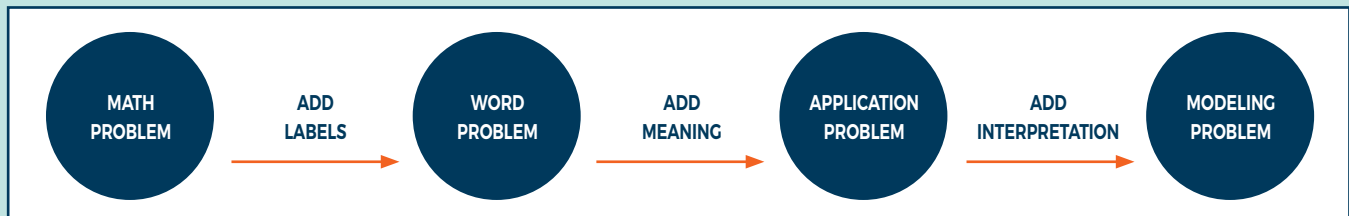


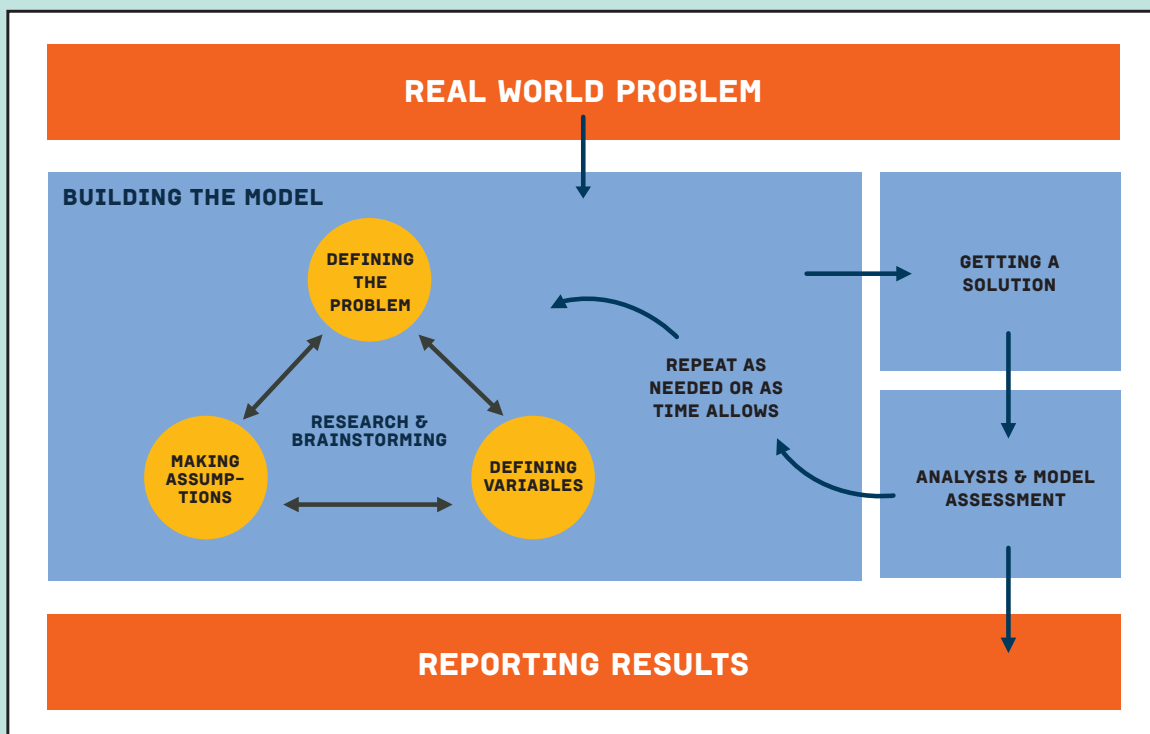
WHAT IS MATHEMATICAL MODELING?

Modeling is a process that uses math to represent, analyze, make predictions, or otherwise provide insight into real-world problems.

What makes modeling different?



What's the process?



Math modeling is an iterative problem solving process in which math is used to explore and develop deeper understanding of a real world problem.

Sources: *GAIMME: Guidelines for Assessment and Instruction in Mathematical Modeling Education*, Sol Garfunkel and Michelle Montgomery, editors, Consortium for Mathematics and Its Applications and Society for Industrial and Applied Mathematics, Philadelphia, 2016. *Math Modeling: Getting Started & Getting Solutions*, K. M. Bliss, K. R. Fowler, and B. J. Galluzzo, SIAM, Philadelphia, 2014. ©2014 Society for Industrial and Applied Mathematics. Reprinted with permission. All rights reserved.

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