Mathematical Modeling Mindset

More than an explicit process, a modeling mindset is shaped by a set of interconnected habits and ways of thinking.

- Curiosity and Inquiry
- Simplification and Assumption-Making
- Mathematical Representation
- Pattern Recognition and Systems Thinking
- Data and Computational Thinking
- Technological Fluency
- Mathematical Versatility
- Creativity and Adaptability
- Evaluation and Revision
- Metacognition and Reflection
- Collaboration and Communication
- Tolerance for Imperfection

When and how do you or your students demonstrate some of these mindset tendencies — both inside the classroom and outside of school?

How can we as teachers *model* this mindset for our students and how do we convey the value of adopting these habits of mind within the math classroom as preparation for life after school?