

# AMTA Strategic Plan 2019-2022

## VISION

Transform STEM education to support classroom teachers as they prepare all students for the 21<sup>st</sup> century STEM workforce.

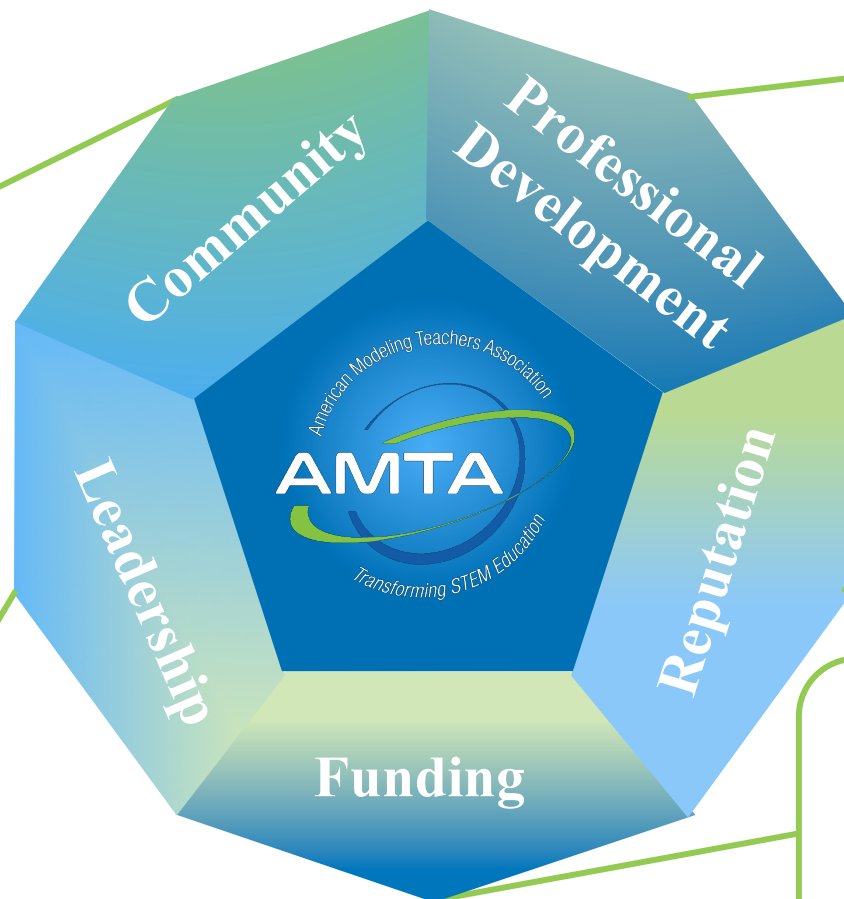
## MISSION

Exceptional professional development  
Access to a collaborative Modeling community of practice

Training in research-validated pedagogy  
Classroom-tested resources optimized for Modeling Instruction

- Strengthen knowledge and skills of Modelers
- Develop Biology Modeling
- Expand Middle School Modeling
- Implement Computational Modeling across disciplines
- Increase availability of Astronomy Modeling
- Develop elementary school STEM Workshops

- Update skills of existing leaders
- Develop Modeling Workshop leaders' handbook
- Collect workshop participant data to inform leader practice



- Strengthen regional hubs
- Train workshop leaders
- Expand availability of Modeling Instruction Workshops
- Increase offerings of virtual Modeling Workshops and courses

- Increase access to funding resources
- Build recognition of Modeling Instruction
- Influence STEM education policy decisions

- Provide program and project evaluation services
- Support collaborative research in STEM education
- Offer STEM education consulting services
- Export Modeling Instruction to new constituencies