AMTA Strategic Plan 2019-2022

VISION
Transform STEM education to support classroom teachers as they prepare all students for the 21st 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
- 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
- Update skills of existing leaders
- Develop Modeling Workshop leaders’ handbook
- Collect workshop participant data to inform leader practice
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