

# STEM Theory of Action

If the faculty and staff at Bates Middle School increases interdisciplinary collaboration and STEM-mindedness to develop a meaningful, integrated STEM experience to guide both day-to-day and large-scale practice, then students will move beyond procedural learning to synthesis and application, thereby ensuring they have the 21st Century Skills to be successful.

## STEM Core Competencies

1. Empowered Learner
2. Digital Citizen
3. Knowledge Constructor
4. Innovative Designer
5. Computational Thinker
6. Creative Communicator
7. Global Collaborator

## STEM Goals

To increase student achievement by:

1. Increasing student interest, participation, and achievement in STEAM.
2. Expanding student access to effective STEAM instruction.
3. Building community awareness and partnership support for STEAM.