

AMSTI Updates



Dr. Sandy Ledwell
AMSTI Director
Alabama State Department of Education



A Little Background

- ❑ Target—Growth of AMSTI schools
- ❑ Regional Creation and Spread
- ❑ Site Autonomy
- ❑ Measure
 - AMSTI schools vs. non-AMSTI schools



How Do We Make Things Better?

- Landscape Changes
 - New Leadership
 - Transparency
 - Involvement of stakeholders and partners

- STEM Roadmap



New Mission and Beliefs

- ❑ To support Alabama educators and students in learning STEM through doing STEM
- ❑ Equity – ensuring learning opportunities for all
- ❑ Expertise – delivering content and pedagogical knowledge and resources informed by evidence of effective practice
- ❑ Efficacy – maintaining high expectations for staff and stakeholders
- ❑ Empowerment - building sustainability and connecting STEM providers in Alabama communities
- ❑ Engagement – learning by doing for staff and stakeholders



Strategic Themes and STEM Roadmap

- Student Learning
- Educator Effectiveness
- Organizational Effectiveness
- Stakeholder Relations

Driving Questions for the Strategic Plan

- How do we measure the impact of AMSTI's implementation?
- How does AMSTI differentiate its services and promote equitable access to all?
- What return on investment does AMSTI yield for stakeholders?
- What is AMSTI's value to each stakeholder group?



Student Learning

- ✓ Gather and analyze data on student growth toward grade level proficiency on STEM subject standards (NF1)
- ✓ Support schools in the expansion of opportunities for students to participate in extra-curricular STEM offerings (ED4)
- ✓ Support strategies to enhance student communication, collaboration, problem solving, and analytical skills (ED4)
- ✓ Identify key indicators to measure STEM literacy in the state (ED4)
- ✓ Partner with workforce development entities to provide STEM-related career information and pathways for students (IS4 and CP4)

Educator Effectiveness

- ✓ Facilitate strategic training for educators through foundational training, mentoring, coaching, and professional learning communities (NF3 and IS2)
- ✓ Partner with IHEs to develop an effective training model for pre-service educator programs (PS3)

Organizational Effectiveness

- ✓ Align materials center processes to industry best-practice
- ✓ Update responsibilities for all roles in the initiative to align with strategic goals
- ✓ Increase functionality and integration in information systems
- ✓ Centralize and improve access to data, information, and digital resources

Stakeholder Relationships

- ✓ Develop messaging themes and communicate to all internal stakeholders
- ✓ Use various outlets to inform all stakeholders of the correlations between AMSTI and STEM
- ✓ Convene an AMSTI Statewide Advisory Council (ASAC) to provide feedback (SC1)



Questions/Discussion

