Use standards-driven instruction
Practice interdisciplinary instructional approaches
Incorporate strong emphasis on literacy
Increase content knowledge
Provide opportunities for students to be immersed in the disciplinary practices
Develop rigorous, relevant, real-world tasks
Encourage family engagement

Employ more diverse workforce
Encourage increased number of students going to college or career technical training
Value skilled, knowledgeable workforce
Value 21st Century learners
Create partnerships
Provide internships and apprenticeships
Encourage family outreach

Are STEM literate
Possess 21st Century competencies
Demonstrate STEM workforce readiness
Interested and engaged in learning
Able to make the connections among STEM disciplines and Arizona Standards
Participate as active and responsible citizens

Support academic success
Make real-life connections for school and home
Build partnerships with collaborative networks, clubs, and informal education organizations
Engage in mentoring opportunities
Reinforce literacy skills

ADE Support for STEM Literate Students
-Interdisciplinary instruction entails the use and integration of methods and analytical frameworks from more than one academic discipline to examine a theme, issue, question or topic. The hallmark of interdisciplinary education is integration of notions and guiding principles from multiple disciplines to systematically form a more complete, and hopefully coherent, framework of analysis that offers a richer understanding of the issue under examination.
- Students develop the capacity to read disciplinary specific texts. Students need to read, write, and think in ways that are characteristic of academic disciplines. Students understand learning to read and reading to learn.
21st Century Competencies

21st Century competencies are a set of intellectual behaviors that lead to productive actions required of successful individuals in the world today. These skills are often referred to as the 4Cs = creative, collaborative, critical thinking, communication.
LITERACY SKILLS

-the knowledge and skills that lay the foundation for reading and writing, such as understanding basic concepts about books or other printed materials, the alphabet, and letter-sound relationships. Early literacy is the foundation for reading and writing in all academic endeavors in school.
-(CTE) programs prepare students to enter the workforce with the academic and vocational skills needed to compete successfully in the job market. CTE courses typically include competency-based learning.
FAMILY OUTREACH

-An intentional, systematic means of increasing student academic learning and performance by enhancing the quality of parent-teacher collaboration, to share ownership and accountability by working together to leverage and coordinate existing resources.