



This We Believe

Technology and Engineering Education:

- Should be a part of the learning experiences of all students at all levels of grade and ability, in order that they may understand, function, and control their technological environment.
- Requires the highest level of competence from its instructional staff. Teachers must possess creativity and ingenuity, enjoy working with people, and maintain a high degree of personal and professional integrity.
- Uniquely contributes to students of all learning ability levels of both sexes and regardless of career choices. It provides equal opportunities for those of high or low economic status, and those who may choose a professional life or a future as a technological worker. It's equally important to everyone as all members of society must learn to be aware of and learn effectively in tomorrow's technological society.
- Fosters an awareness of industry and enterprise and their place in the world culture. It also provides opportunities for learners to discover their talents and abilities in the areas of: technology, innovation, design, and engineering.
- Activities reinforce core academic curriculum as well as form a continuum with other visual and applied arts, ranging from the free expressive forms to the more exacting demands of human wants and needs.
- Is an organization of subject matter that provides opportunities for experiences concerned with developing insights into technology, its evolution, utilization, and significance; and their social/cultural impact.
- Provides technical and technological skills and knowledge basic to most occupations and professions. Technology and engineering education enables the future scientist, designer, architect, and engineer to solve technical problems.
- Provides wholesome changes in learners. These may take the form of a developed interest in the human-made world—its materials, products, and processes. These changes may also involve self-evaluation of attitudes towards constructive work and how this work can be utilized for health and recreation, as well as economic value; they may involve the development of a favorable attitude toward creative thinking, and toward character improvement—knowing and making the most of one's environment.
- Employs actual involvement of tools, machines, and materials that reinforce the written and spoken word. It enables all students to derive meaning from concrete experiences that aid in the understanding of abstract ideas and the development of concepts.