



➤ ***A Greater Capacity for Innovation***

Innovation is a process that can be taught and learned. **Technology Education** is the only area of school curriculum that achieves this by teaching students about past technological innovations and also creating **opportunities** for students to design solutions to **real world** technological problems. This is a chance for practice in the processes of design and innovation.

➤ ***Higher Achievement in Mathematics, Science, and Language Arts***

Early research in this area shows that experiences in **technology education** have a **positive impact** on achievement in **math, science, and language arts including higher scores on standardized tests**. Technology Education stresses “**hands-on, minds-on**” learning and provides answers to the common student question: Why do we need to know this?

➤ ***Strong Support for the Workforce***

The business community indicates they need students entering the workforce to have the ability to be flexible in the business environment, **solve problems**, and have greater **ability** to work with a **group** as well as **independently**. Technology learning activities are set up in such a way that students can learn these “**soft skills**.”

➤ ***Sound Support for Engineering and Other Design Professions***

Technology education directly supports specific design related professions, especially **engineering, architecture, and industrial design**. Advanced study in Technology Education can provide an appropriate orientation and transition to design fields. Students in Technology Education learn what engineers, architects and other designers do in their day-to-day profession and how they solve problems, create technology, and help people.

➤ ***Technological Literacy***

Technological literacy is the ability **to use, manage, evaluate, and understand technology**. As the primary purpose and outcome of Technology Education programs, general technological literacy can facilitate decision making through a developed understanding of the societal and social impacts, technological development.

➤ ***The Strongest Delivery System***

The **content** and **process knowledge** conveyed through Technology Education programs is delivered by trained **professionals**.