
# STUDENTS TODAY WILL BE SOLVING THE PROBLEMS OF TOMORROW.

Through the **hands-on, minds-on TETRIX® building platform**, students:

**Design robots** with a multitude of possibilities

Build robots with **remote control capabilities**

Receive exposure to future **career opportunities**

Implement **STEM** concepts

**Work collaboratively** with peers to **solve real-world problems**

Make connections and **create solutions** to **real-world problems**

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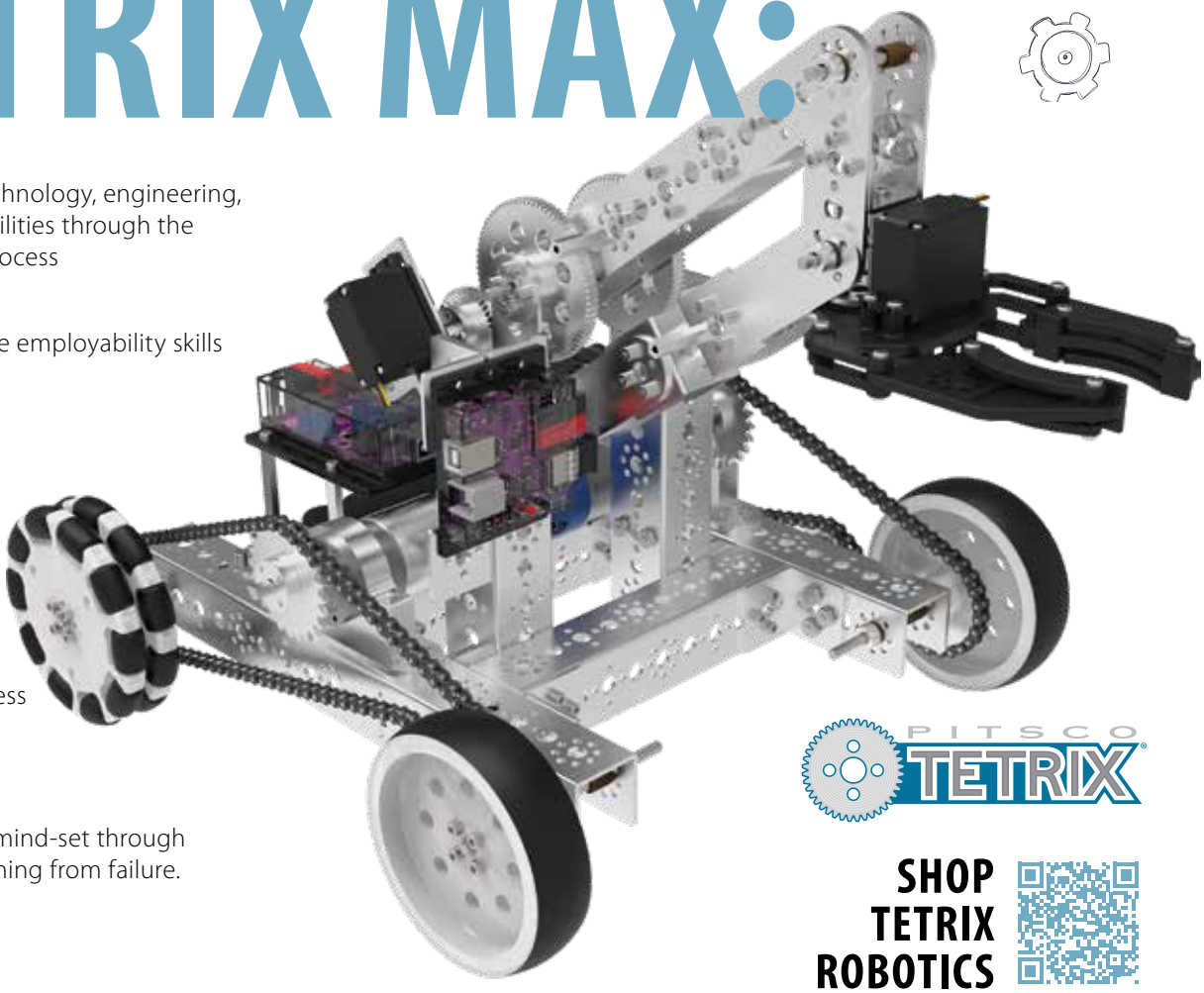
# BENEFITS OF USING TETRIX MAX:



**Develops** science, technology, engineering, and math skills and abilities through the engineering design process

**Advances** transferable employability skills

- Communication
- Cooperation
- Creativity
- Critical thinking
- Creative problem-solving
- Geospatial awareness
- Decision-making

**Cultivates** a growth mind-set through experiencing and learning from failure.

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**SHOP TETRIX ROBOTICS**

TETRIX MAX also meets the Science and Engineering Practices outlined in NGSS and many of the CCSS Mathematical Practices.

| NGSS SCIENCE AND ENGINEERING PRACTICES | |
|---|---|
| Asking Questions and Defining Problems | x |
| Developing and Using Models | x |
| Planning and Carrying Out Investigations | x |
| Analyzing and Interpreting Data | x |
| Using Mathematics and Computational Thinking | x |
| Constructing Explanations and Designing Solutions | x |
| Engaging in Argument from Evidence | x |
| Obtaining, Evaluating, and Communicating Information | x |

| CCSS STANDARDS FOR MATHEMATICAL PRACTICES | |
|---|---|
| Make Sense of Problems and Persevere in Solving Them | x |
| Reason Abstractly and Quantitively | x |
| Construct Viable Arguments and Critique the Reasoning of Others | x |
| Model with Mathematics | |
| Use Appropriate Tools Strategically | |
| Attend to Precision | x |
| Look for and Make Use of Structure | x |
| Look for and Express Regularity in Repeated Reasoning | |

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