



NATIONALGUARD.COM/WV



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**

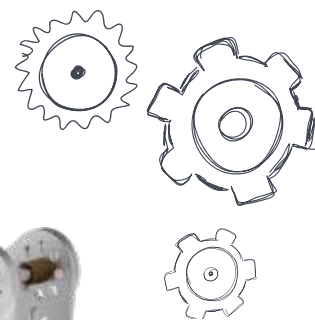
Implement **STEM** concepts

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

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



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.



**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 Quantitatively	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	