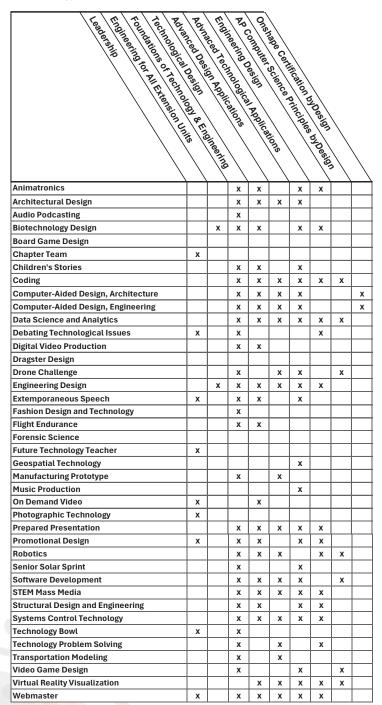




### Unlock Your Students' Potential with **Engineering by Design and TSA Competitions!**

### High School Engineering byDesign™ (EbD™)/ **Technology Student Association (TSA) Crosswalk**



**Contact Us:** For more information on how to align your curriculum with TSA competitions, reach out to us at ebd@iteea.org.

**Empower Your Students:** The Engineering byDesign™ (EbD)™ curriculum unlocks students' potential, preparing them for future technology and innovation. By immersing students in problem- and project-based learning, EbD™ fosters creativity, critical thinking, and collaboration. Aligned with Technology Student Association (TSA) competitions, EbD™ extends learning beyond the classroom, offering real-world, career-focused experiences that boost engagement, motivation, and achievement. This integration helps students develop leadership, teamwork, and problem-solving skills, preparing them for future STEM careers.

### Why Choose EbD™?

- Authentic Learning: EbD™ immerses students in problem- and project-based learning environments, teaching essential STEM concepts and principles.
- Career Preparation: EbD™ prepares students for future STEM careers, fostering critical thinking, creativity, and innovation

### **Benefits of Integration:**

- Enhanced Engagement: Students are more engaged and motivated when they see the real-world applications of their learning.
- Skill Development: Participation in TSA competitions helps students develop leadership, teamwork, and problem-solving skills.
- Recognition and Achievement: Students gain recognition for their achievements, boosting their confidence and inspiring further academic and career pursuits.

Get Started Today! Integrate the Engineering byDesign™ curriculum with TSA competitions and watch your students thrive. Equip them with the knowledge, skills, and experiences they need to succeed in the ever-evolving world of STEM.

Scan or click here to learn more about Engineering byDesign.



Scan or click here to learn more about TSA Competitions.





# Unlock Your Students' Potential with Engineering by Design and TSA Competitions!

## Middle School Engineering by Design (EbD)/ Technology Student Association (TSA) Crosswalk

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	on (TSA) Crosswalk  The Conde - Engine of the Etherson & Innovation of the Etherson & Innovation					
		/	_ /;	2 /.	3 / i	ω /
Audio Podcasting	×	,		Х	Х	
Biotechnology			Х	Х		Х
Career Prep	х		х	х	х	
Challenging Technology Issues	х		Х	х		
Chapter Team	х					
Children's Stories			х	х	х	
Coding		х	х	х	х	
Community Service Video			Х			
Computer Aided Design (CAD) Foundations			х	х	х	
Construction Challenge			Х	Х	Х	
Cybersecurity					х	
Data Science and Analytics			Х		Х	
Digital Photography						
Dragster			Х	Х	Х	
Electrical Applications		х	х		х	
Flight			Х	Х	Х	
Forensics Technology						
Inventions and Innovations			х	х	х	х
Leadership Strategies	х			Х		
Mass Production			Х	Х	Х	Х
Mechanical Engineering		Х	Х	Х	Х	_^
Medical Technology			Х			
Microcontroller		х	Х	х	х	
Off the Grid		^	X	^	^	Х
	х		X	х	х	^
Prepared Speech	^		X			
Problem Solving			Х	Х	X	
Promotional Marketing	Х				Х	
Robotics		Х	Х	Х	Х	
Solar Racer		Х	Х	Х	Х	
STEM Animation			Χ	Х	Х	H
Structural Engineering			Х		Х	
System Control Technology		Х	Х	Х	Х	
Tech Bowl	Х					
Technical Design	Х	Х	Χ	Х	Х	Х
Video Game Design				Х	Х	
Website Design	х		х	х	х	

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### Why Choose EbD™?

- Authentic Learning: EbD™ immerses students in problem- and project-based learning environments, teaching essential STEM concepts and principles.
- Comprehensive Framework: Our curriculum incorporates STEM disciplines along with English Language Arts, equipping students with the skills needed to address tomorrow's complexities.
- Career Preparation: EbD™ prepares students for future STEM careers, fostering critical thinking, creativity, and innovation.

#### **Benefits of Integration:**

- Enhanced Engagement: Students are more engaged and motivated when they see the real-world applications of their learning.
- Skill Development: Participation in TSA competitions helps students develop leadership, teamwork, and problem-solving skills
- Recognition and Achievement: Students gain recognition for their achievements, boosting their confidence and inspiring further academic and career pursuits.

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