

Crosswalk: 2015 versus 2025 **DRAFT** Technology and Engineering Education Standards

Grades 6-12

<p>General Information about this Revision:</p> <ul style="list-style-type: none"> » Updated language. » Re-ordered the standards. » Aligned Standards with ITEEA Standards for Technological and Engineering Literacy with reference to ETS Praxis Standards. 		
Standard 1		
2015 PREVIOUS STANDARD	2025 NEW STANDARD	WHAT CHANGED?
Standard 1: Content Knowledge. The teacher of technology and engineering education demonstrates an	Standard 1: Content Knowledge. The teacher of technology and engineering education demonstrates an	<ul style="list-style-type: none"> • Updated language • Moved indicators to Standard 2 • Moved “relationship to society” to Standard 3

understanding of the nature of technology and its relationship to society.	understanding of the Nature and Characteristics of Technology and Engineering.	<ul style="list-style-type: none"> Added new indicators
Standard 2		
PREVIOUS STANDARD	NEW STANDARD	WHAT CHANGED?
Standard 2: Content Knowledge: The teacher of technology and engineering education demonstrates an understanding of design, engineering, and problem solving.	Standard 2: Content Knowledge: The teacher of technology and engineering education demonstrates an understanding of the Core Concepts of Technology and Engineering and how to Integrate Knowledge, Technologies, and Practices.	<ul style="list-style-type: none"> Updated language Previous Standard moved to Standard 4 New Standard pulls indicators from multiple other standards as it is now a holistic overview of the discipline Added new indicators
Standard 3		
PREVIOUS STANDARD	NEW STANDARD	WHAT CHANGED?
Standard 3: Content Knowledge: The teacher of technology and engineering	Standard 3: Content Knowledge. The teacher of technology and engineering	<ul style="list-style-type: none"> Updated language Previous Standard indicators moved to Standards 2, 4, 5, 6, 7

education demonstrates an understanding of the systems of the designed world, the knowledge and skills needed in a technological world, and the career fields associated with it.	education demonstrates an understanding of the History and Impact of Technology and its Relationship with Society.	<ul style="list-style-type: none"> • New Standard pulls indicators from Standard 1 & 5 • Added new indicators
Standard 4		
PREVIOUS STANDARD	NEW STANDARD	WHAT CHANGED?
Standard 4: Content Knowledge. The teacher of technology and engineering education demonstrates an understanding of knowledge and applications of major concepts, principles, theories, and systems associated with energy, power, and transportation technologies.	Standard 4: Content Knowledge: The teacher of technology and engineering education demonstrates an understanding of Design in Technology and Engineering Education.	<ul style="list-style-type: none"> • Updated language • Previous Standard moved to Standard 5 • New Standard pulls indicators from Standard 2, 3, 5 • Moved indicators to Standard 2
Standard 5		
PREVIOUS STANDARD	NEW STANDARD	WHAT CHANGED?

Standard 5: Content Knowledge. The teacher of technology and engineering education demonstrates an understanding of knowledge and applications of major concepts, principles, theories, and systems associated with information and communication technologies.	Standard 5: Content Knowledge: The teacher of technology and engineering education demonstrates an understanding of Applying, Maintaining, and Assessing Technological Products and Systems.	<ul style="list-style-type: none"> • Updated language • Integrated indicators from Standard 4 & 6 • New Standard pulls indicators from Standard 2, 3, 4, 6 • Moved indicators to Standard 2 & 3 • Added new indicators
Standard 6		
PREVIOUS STANDARD	NEW STANDARD	WHAT CHANGED?
Standard 6: Content Knowledge: The teacher of technology and engineering education demonstrates an understanding of knowledge and applications of major concepts, principles, theories, and systems associated with production technologies (manufacturing and construction).	Standard 6: Pedagogy. The teacher of technology and engineering education demonstrates an understanding of the pedagogical foundations associated with teaching technology and engineering education.	<ul style="list-style-type: none"> • Updated language • Previous Standard moved to Standard 5 • New Standard pulls indicators from Standards 3, 7, 8 • Moved indicators to 2, 5, 7 • Added new indicators • Realigned Pedagogy and Professional Responsibility

Standard 7		
PREVIOUS STANDARDS7	NEW STANDARD	WHAT CHANGED?
Standard 7: Instructional Practice. The teacher of technology and engineering education demonstrates an understanding of organization, maintenance and management, safety and laboratory practices associated with teaching technology and engineering education.	Standard 7: Professional Responsibility: The teacher of technology and engineering education demonstrates an understanding of the profession, safety, funding, opportunities for students, and how it fits into contexts outside the classroom.	<ul style="list-style-type: none"> • Updated language • New Standard pulls indicators from Standards 3, 6, 8 • Moved indicators to Standard 6 • Added new indicators • Realigned Pedagogy and Professional Responsibility
Standard 8		
PREVIOUS STANDARD	NEW STANDARD	WHAT CHANGED?
Standard 8: Professional Responsibility: The teacher of technology and engineering education demonstrates an understanding of the profession, its curriculum, instructional practices for	[none]	<ul style="list-style-type: none"> • Moved indicators to Standard 6 & 7 in order to better align their outcomes with national standards

individual learners and learning, and college and career readiness practices for students.		
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