

Field 219 – Technology Education

Alignment of Test Framework Objectives with State and National Standards

Illinois Licensure Testing System Framework Objectives for Technology Education	State Board of Education Rules- Title 23 of the Illinois Administrative Code-27.460	International Technology Education Association (ITEA)- Standards for Technological Literacy: Content for the Study of Technology	Common Core State Standards Initiative-Common Core State Standards
Subarea I: Technology and Society			
0001 Understand the core concepts of technology.	d	1, 2	
0002 Understand the relationship between technology and society, and the history of technology.	d	4, 6, 7	
0003 Understand interrelationships between technologies and between technology and other fields of study.	d	3, 5	
Subarea II: Technological Design and Problem Solving			
0004 Understand the attributes of design and the design process.	e	8, 9	
0005 Understand how to apply the design process.	d–f	9, 11	
0006 Understand how to use and maintain technological products and systems.	g, h	12, 13	
Subarea III: The Designed World			
0007 Understand medical, agricultural, and bio-related technologies.		14, 15	
0008 Understand energy and power technologies.	j	16	
0009 Understand information and communication technologies.	i	17	

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0010 Understand transportation technologies.	j	18	
0011 Understand manufacturing technologies.	j	19	
0012 Understand construction technologies.	j	20	
Subarea IV: Pedagogy and Professional Practice			
0013 Understand effective pedagogical practices when planning, delivering, and assessing student learning.	a, b		
0014 Understand the process of reading, and apply knowledge of strategies for promoting students' reading development in the technology education classroom.	c		CCSSI: K-5.R.I; 6-12.R.I; 6-12.R.H; 6-12.R.ST