

Emerging Trends: The Future of Education

Session 3: The Future of Learning

Background and Context:

Last year the Board discussed the need to streamline teacher licensure since many fields have not been updated since 2001. As that discussion continued throughout the Board's work over the past year, a central question has emerged: how can we rethink licensure through the lens of meeting the future needs of students, teachers, and schools.

To help answer that question, KnowledgeWorks' strategic foresight team member Katie King will facilitate a session centered on the future of education. This session will draw upon KnowledgeWorks' thought leadership on the future of learning and local, statewide, national, and global trends influencing the future of education.

Key topics include:

- **Understanding Futures Thinking:** Understanding what futures thinking is and why and how to apply it in education
- **Examining Changes on the Horizon:** Exploring changes influencing the future of learning
- **Exploring Possibilities for the Future of Learning:** Responding to and identifying possibilities for the future, given changes on the horizon
- **Considering Implications for Educator Licensure and Preparation:** Identifying what future possibilities might mean for educator licensure and preparation, including challenges and opportunities.

Facilitator/Speaker:



Katie King, Senior Director of Strategic Engagement

Katie manages externally facing strategic foresight projects and partnerships, co-designs and delivers workshops and contributes to KnowledgeWorks publications about the future of learning. Katie leads foresight strategy in state supports for personalized, competency-based learning, supports the management of foresight operations and strategic execution, and manages strategic foresight projects focused on sensemaking and strategy development.

Katie has previously served as a consulting futurist for various nonprofit organizations and taught middle school English in Texas and California. She holds a bachelor's in journalism from the University of Southern California and a master's in foresight from the University of Houston. She is a member of the Association of Professional Futurists and co-author of [*The Futures Thinking Playbook*](#).

Key Issues for Discussion:

1. How are the needs of students changing and how does that impact licensure?
2. Would a restructure help address components of the teacher shortage?
3. Should PELSB consider discontinuing and/or combining licensure fields that are redundant?

Appendix 1: Current Licensure Fields in Minnesota

Licensure Field (Scope)	Licensure Field (Scope)
Early Childhood/Elementary	
Early Childhood (Birth – Grade 3)	Preprimary* (Age 3 – K)
Parent and Family Education (Adult)	Elementary Education (K-6)
World Language and Culture* (K-8)	
Middle Level	
Communication Arts and Literature* (5-8)	Social Studies* (5-8)
Math* (5-8)	General Science* (5-8)
General Science (5-8)	
Miscellaneous	
Adult Basic Education (Adult)	Driver and Traffic Safety (9-12)
Bilingual-bicultural*(K-6 or 5-12)	
K-12 or PreK-12	
American Indian Language, history, culture (K-12)	World Languages and Cultures (K-12)
Dance and Theatre Arts (K-12)	English as a Second Language (K-12)
Dance (K-12)	Computer, Keyboarding and Related Technology Applications* (K-12)
Theatre Arts (K-12)	Library Media Specialist (K-12)
Visual Arts (K-12)	Reading* (K-12)
Instrumental, Vocal, Classroom Music (K-12)	Reading Leader* (K-12)
Physical Education (PreK-12)	
Secondary	
Communication Arts and Literature (5-12)	Chemistry (9-12)
Health Education (5-12)	Earth and Space Science (9-12)
Mathematics (5-12)	Life Sciences (9-12)
Social Studies (5-12)	Physics (9-12)
Technology (5-12)	
Special Education	
Academic and Behavioral Strategist (K - Age 21/Grade 12)	Deaf or Hard of Hearing (Birth – Grade 12)
Emotional Behavioral Disorders (K-12)	Blind or Visually Impaired (Birth – Grade 12)
Learning Disabilities (K-12)	Oral/Aural Education (Birth – Grade 12)
Developmental Disabilities (K-12)	Early Childhood Special Education (ECSE) (Birth through age 6)
Developmental Adapted Physical (Pre-K- Grade 12)	Physical and Health Disabilities (PreK – Grade 12)
Related Service	
Speech-Language Pathologist (PreK – 12)	School Social Worker (PreK – 12)
School Nurse (PreK – 12)	School Counselor (K – 12)
School Psychologist (PreK – 12)	

Career and Technical Education/ Career Pathways	
Agriculture Education (5-12)	Communications Technology Careers (7-12)
Business Education (5-12)	Construction Careers (7-12)
Family and Consumer Sciences (5-12)	Manufacturing Careers (7-12)
Career and Technical Education accommodation specialist for students with disabilities* (5-12)	Medical Careers (7-12)
Teacher/Coordinator of Work Based Learning* (9-12)	Creative Design Careers (7-12)
Cosmetology (9-12)	Early Childhood Careers (7-12)
Law Enforcement (9-12)	Hospitality Careers (7-12)
Firefighting (9-12)	Transportation Careers (7-12)
* Field offered as an endorsement	