Overview of SREB's Commission on Artificial Intelligence in Education

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-Ivy Coburn, Division Director, Education and Workforce
-Jeff Gagne, Director, Policy Analysis

AI: Biggest Work Disruption…

49%
Skills irrelevant by 2025

56%
Entry-level
jobs eliminated

60%
Jobs impacted

12M
Fewer jobs by 2030

41%
Executives expect to
employ fewer workers

25%
Work tasks replaced

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Our Charge

The SREB Commission on Artificial Intelligence in Education will evaluate research, industry data and advice from experts to determine how education can successfully adopt and integrate AI across the region and lead the nation. Based on this critical evaluation, the Commission will then develop recommendations for

- policies regarding the use of AI in K-12 and postsecondary education,
- use of AI in instruction to promote AI literacy among students, educators, and the workforce and
- the development of skills and seamless pathways in the education-to-workforce system to meet industry and state needs.

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AI Commission Subcommittees

K-12 AI Policies

PSE AI Policies

K-12 AI Instruction

PSE AI Instruction

AI Skill Development

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AI Policy Committee
Initial Recommendations

Consideration by full commission in October

Adoption at November meeting

AI in Education

Artificial intelligence is here. Educators and policymakers are wrestling with how to integrate it into the classroom and prepare people for a workforce transformed by it.

Helping states share strategies, guidance and research is one aim of the SREB Commission on AI in Education. SREB staff collect data, publish reports and facilitate the work of the commission's subcommittees.

COMMISSION ON AI IN EDUCATION

SREB's Commission on AI in Education bring together teachers, professors and legislators from around the South with leaders in businesses and state workforce agencies. Members will develop recommendations for policy, career pathways, and K-12 and postsecondary teaching and learning. Learn more about the commission.>

AI in Education
Policy and Research
in SREB States

AI in Education
News and resources
from the Commission

AI in Education
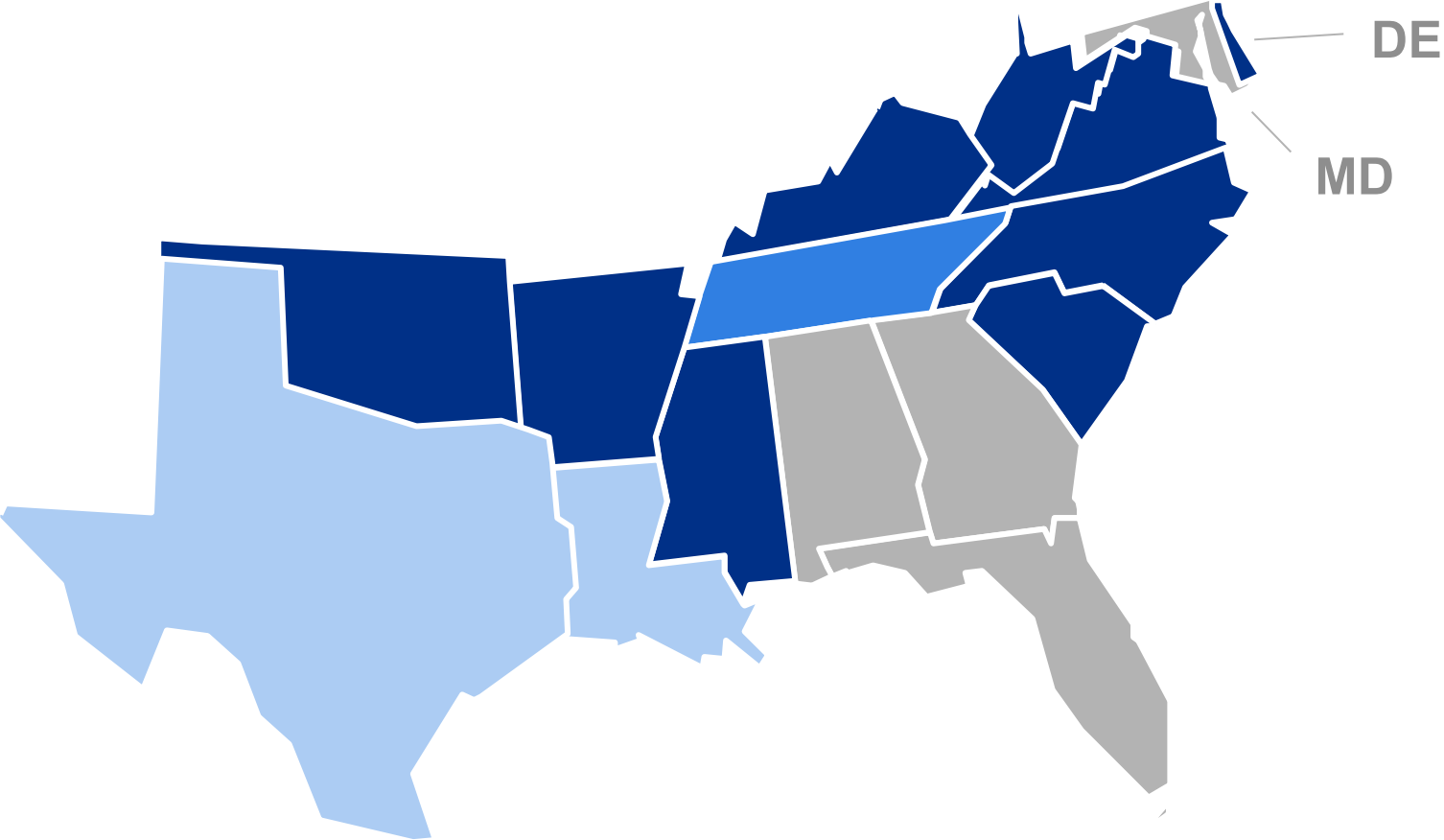**Ideas and Updates**
on our blog

GUIDANCE TO DATE

AI IN ED INSIGHTS

AI IN ED BLOG POSTS

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AI Education Guidance in SREB States

- Does not currently have guidance
- Guidance taskforce established
- Has law in place that requires guidance
- Has guidance

DE

MD

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AI-Policy Draft Considerations

1-Develop Targeted AI Guidance for All Groups

2-Integrate AI Knowledge & Skills

3-Provide Professional Development for Educators

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AI-Policy Draft Considerations

4-Establish State-Wide AI Networks

5-Develop and Administer AI Local Capacity & Needs Assessments

6-Develop Costs Models for AI Implementation

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K-12 Instruction Update

Process and Accomplishments

Review, discuss and draft a document outlining the skills needed for students and educators to be AI-literate.

Review current state and other entities' guidelines for the use of AI in K -12 Instruction.

Interview current educators and state education leaders to understand how AI is currently used in schools and what barriers exist.

Draft a guidance document for starting points for using AI in instruction.

- Potential Uses – Opportunities and Cautions
- Resources
- Stories of current use in classrooms and schools

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Postsecondary Instruction Update

Postsecondary Education Instruction

Subcommittee is:

- Researching and developing landscape analysis for postsecondary instruction.

- Discussing accreditation implications with accrediting bodies to develop an alignment document institutions, states, and accreditors.

- Comparing shared resources and viewpoints presented in the 2020 Global AI Strategy Landscape to identify alignment and opportunities to strengthen instructional practices needed to support workforce developent.

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AI Skill Development

AI Examples Across Industries

Agriculture, Food & Natural Resources

- AI-powered drones and sensors monitor crop health, soil conditions, and weather patterns to optimize farming practices.

Finance

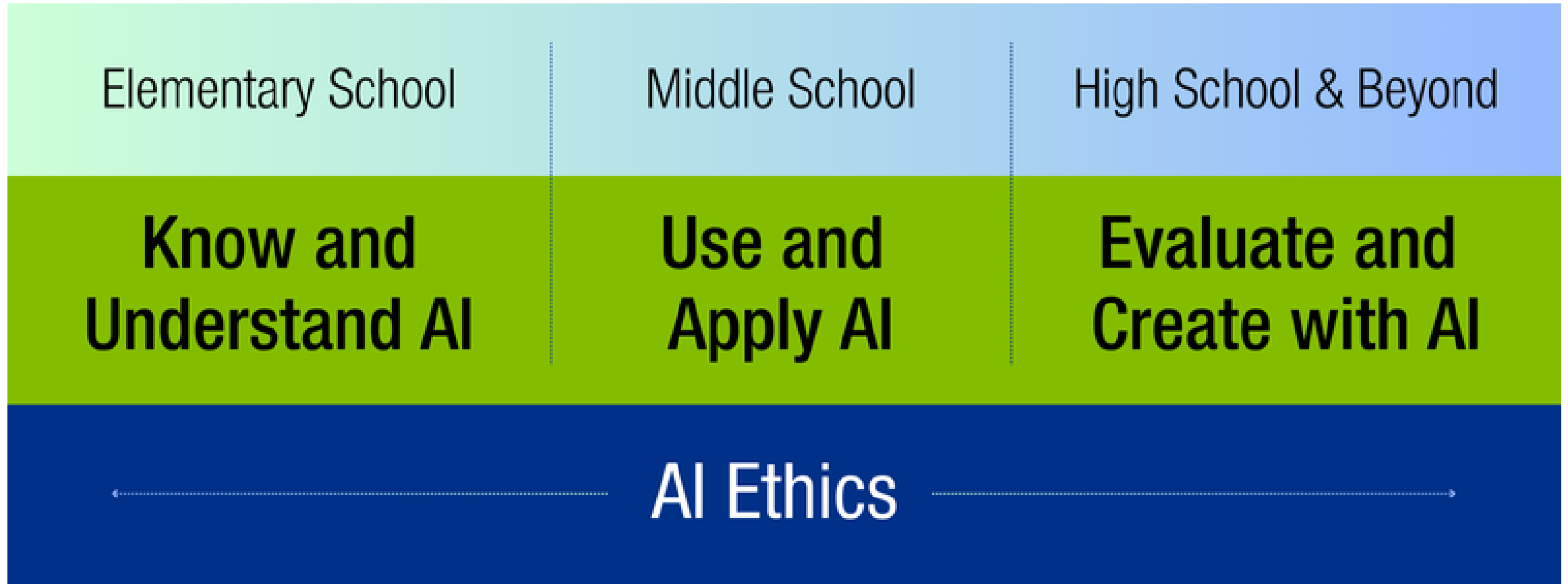- AI algorithms analyze transaction data to identify and prevent fraudulent activities.

Transportation, Distribution and Logistics

- AI analyzes traffic patterns to optimize delivery routes and reduce fuel consumption.

STEM

- AI tools assist researchers in data analysis, literature review, and experiment design.

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AI Learning Progressions

Elementary School	Middle School	High School & Beyond
Know and Understand AI	**Use and Apply AI**	**Evaluate and Create with AI**

AI Ethics

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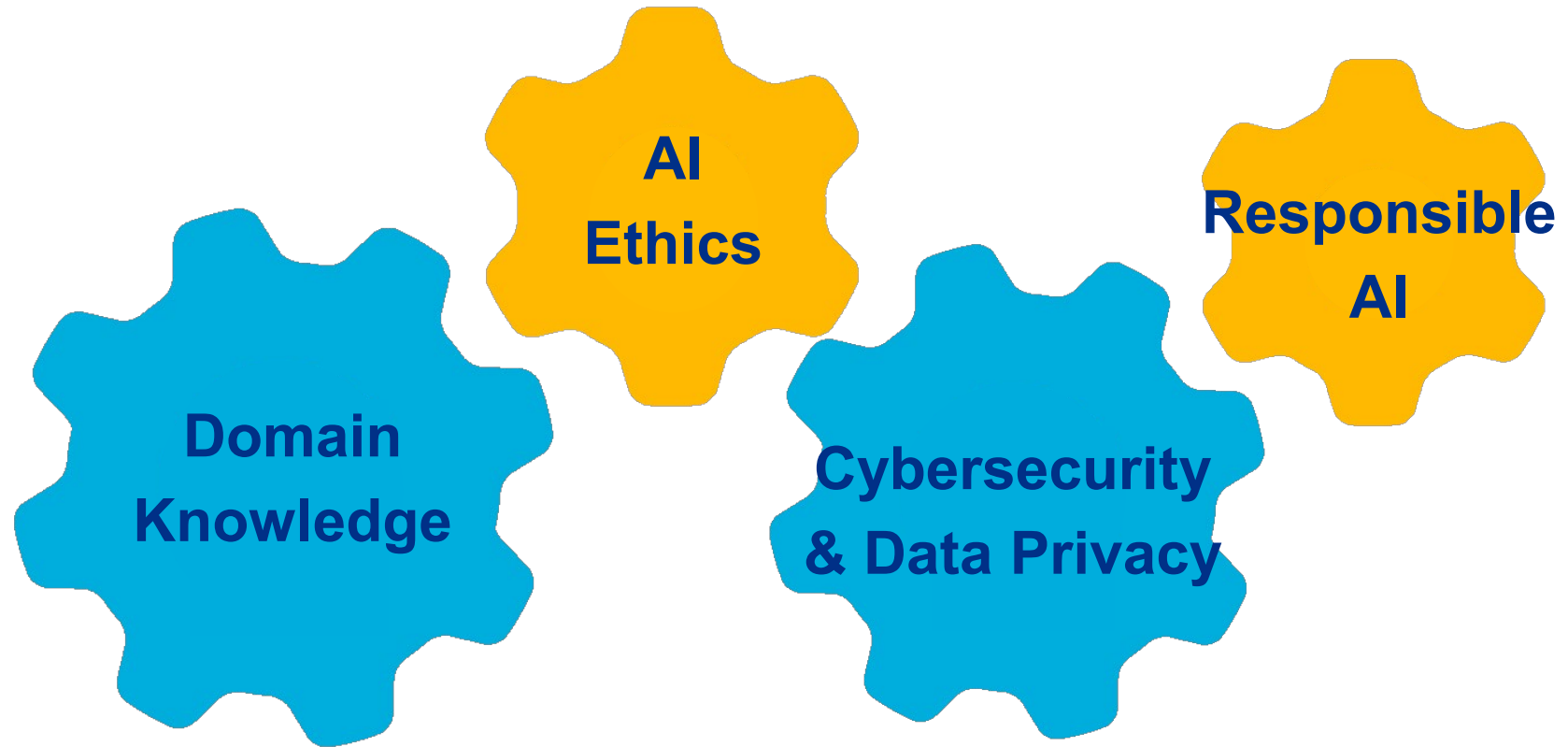
Machine Learning – Understanding how computers use supervised, unsupervised and reinforcement learning algorithms to analyze and learn from data to recognize patterns, make predictions and improve performance over time through experience and iterative training on diverse datasets.

Elementary School Know and Understand AI	**Middle School** Use and Apply AI	**High School and Beyond** Create with or in AI
Introducing students to machine learning by exploring how computers can learn from data to recognize patterns and make simple decisions.	Exploring key machine learning concepts by experimenting with data to help students see how algorithms and models can be used to classify and predict outcomes.	Creating and evaluating machine learning models, applying advanced concepts and assessing the performance and ethical implications of their work.

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