

AI is Already in Your Schools: Now What?



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Missouri School Boards' Association

Who Is This Guy?

I am...

**Former high school
English teacher**

MSBA employee

Parent

I am NOT...

Employed by big tech

An attorney

**Here to change your
mind about AI**

November 30, 2022

A day which will live in infamy.



ChatGPT

Today, AI chatbots are everywhere!



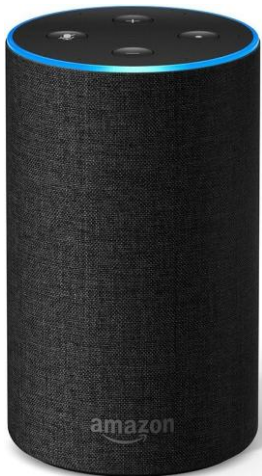
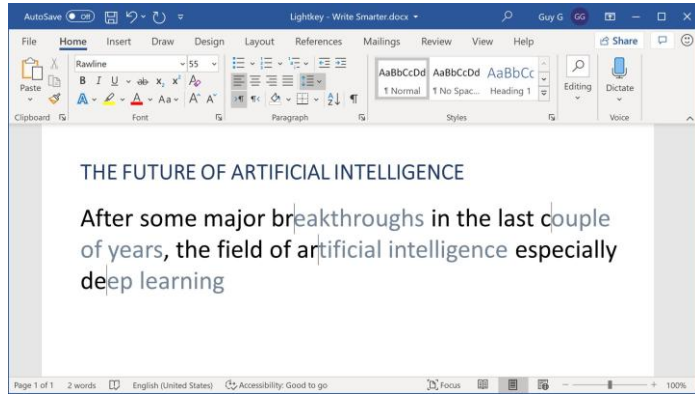
Snapchat



Instagram



99% of Americans Use AI Every Week

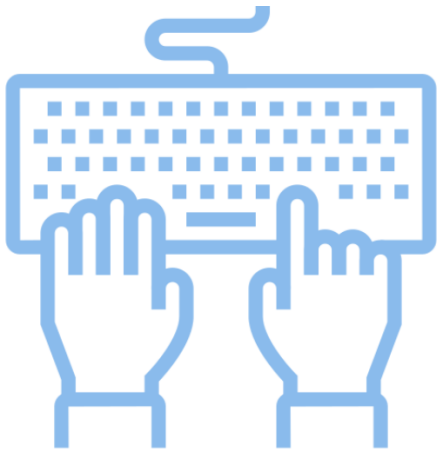


Generative AI aka GenAI

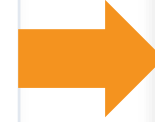
Chatbots that can create *original* text, images, video, audio, etc.

What Happens?

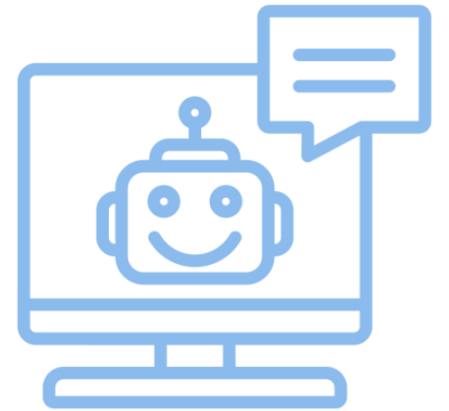
**You ask AI
a question.**



???



**AI provides
an answer.**



How People Think AI Works

45%

Looking up the exact answer in a database

28%

**Guessing what words should come next
based on patterns it learned**

21%

Following a script of prewritten responses

6%

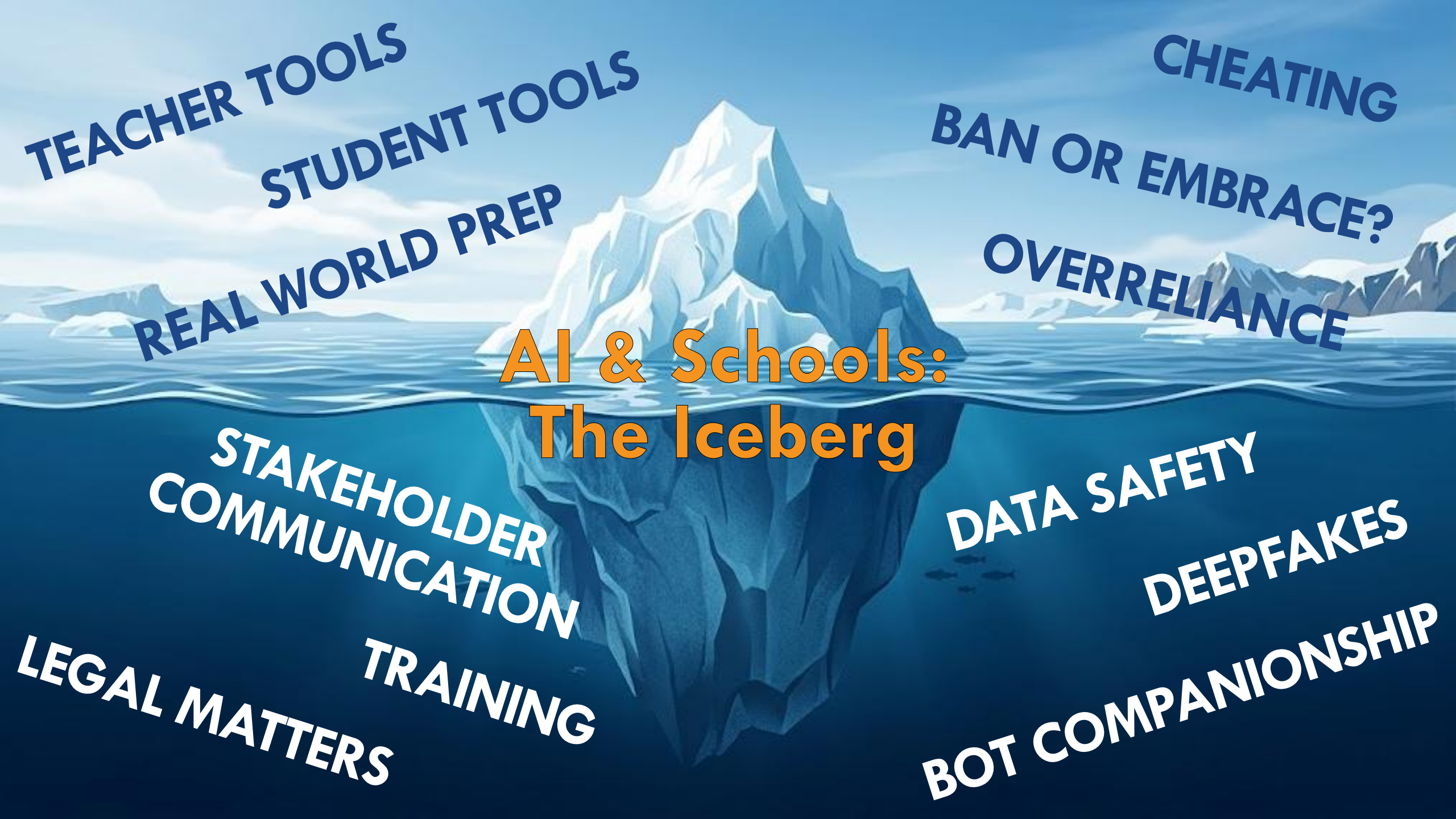
**Having a human in the background
write an answer**

How AI Really Works

Data

Patterns

Predictions



TEACHER TOOLS
STUDENT TOOLS
REAL WORLD PREP

CHEATING
BAN OR EMBRACE?
OVERRELIANCE

AI & Schools: The Iceberg

STAKEHOLDER
COMMUNICATION
TRAINING
LEGAL MATTERS

DATA SAFETY
DEEPFAKES
BOT COMPANIONSHIP

AI & Teachers

“Teachers who use AI tools weekly save an average of 5.9 hours per week.”

Create lesson plans, activities, assignments, etc.

Support students with IEPs, build accommodations

Draft and edit forms of communication

AI & Students

**“84% of
high schoolers
have used AI tools
for schoolwork”**

**Brainstorm & organize
ideas for essays & projects**

**Get instant help outside
of class hours**

**Practice, review, and prep
for tests and quizzes**

Real World Prep

**“Over 80 percent
of employees
use AI at work.”**

**Prompt, evaluate, & refine
are core workplace skills**

**Use AI as a partner,
not a shortcut**

**Build judgment to know
when not to rely on AI**

Technology + Education = Panic

Page 10A The Daily Item — Sumter, S.C. Saturday, April 5, 1986



Math teachers protest against calculator use

From 1996: 'Bogus essays' and fears 'cheaters have discovered the internet'

 CBC

Students could go online and start "surfing for scholastic papers that could give them an A."

Cell Phone Devices Are Popular Aids to Cheating at School

Built-In Cameras and Text Messaging Enable Questions and Answers to Be Sent Under Teachers' Noses

By Suzanne Pardington

March 6, 2004 at 7:00 p.m. EST

The Washington Post

AP

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EDUCATION

The rise of AI tools forces schools to reconsider what counts as cheating

AI & Student Cheating

“The percentage of high school students who cheat remains statistically unchanged compared to previous years without ChatGPT.”

AI detection tools do NOT work

Students aren't receiving the guidance they need

Policies & syllabi often do not address AI

AI & Student Cheating

The solution isn't AI detection...
...it's making assignments AI-resistant.

AI-Resistant Framework:
AssignmentMakeover.com

Ban or Embrace AI?

1 / 5 / 2023



Ban or Embrace AI?

BUSINESS INSIDER

New York City's public schools reverse their ban on ChatGPT — admitting it had been 'knee-jerk fear'

By [Lakshmi Varanasi](#) [+ Follow](#)

5/19/2023



Overreliance on AI

"67% of students say the more students use AI for schoolwork, the more it harms their critical thinking skills."

**Cognitive offloading:
letting AI do the thinking,
not just the typing**

**Confidence in AI
answers outpacing
students' ability
to catch errors**



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Stakeholder Communication

"38% of parents don't know whether their child's school has an AI policy."

Silence gets filled with assumptions

Policy without communication is invisible governance

Proactive messaging beats reactive damage control

Training

“60% of teachers use AI in the classroom...

...but 68% of them received zero formal training on it.”

Educators are flying blind

Students often know more about AI than the adults

What happens when something goes wrong?

Legal Matters

School districts have been sued over:

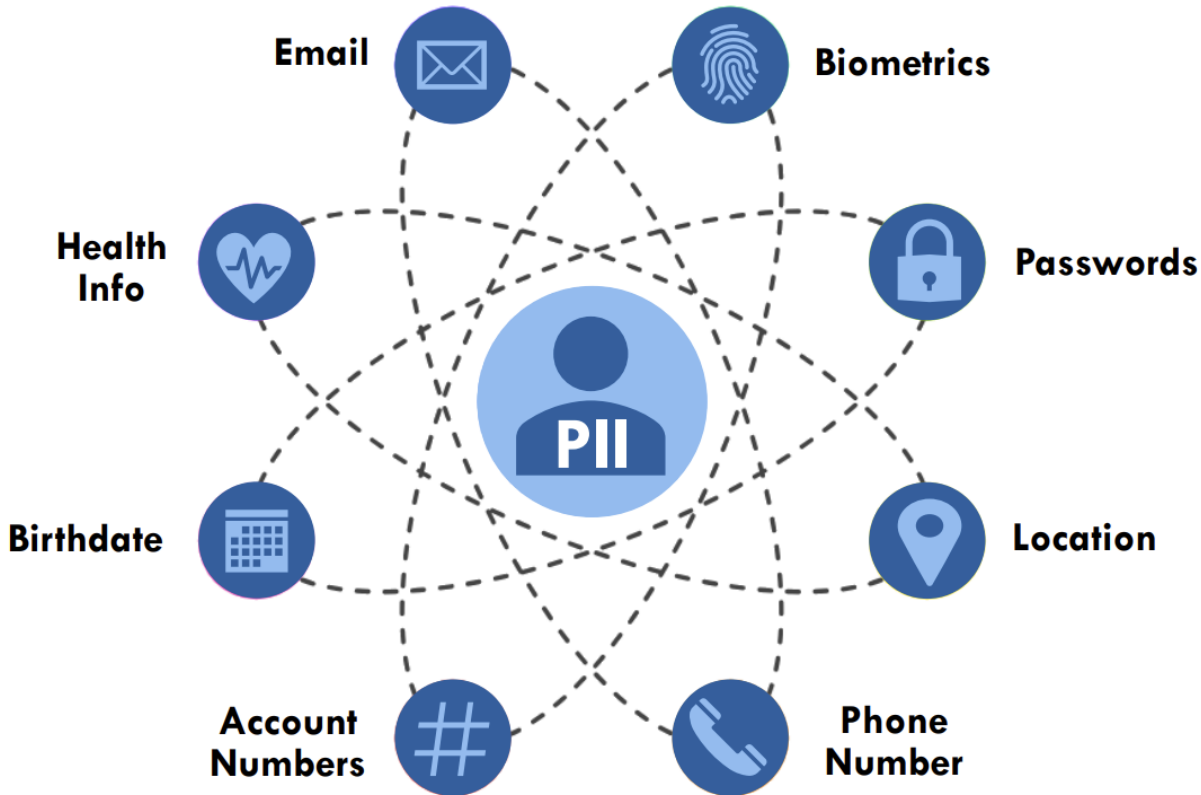
Vague or Missing AI Rules

**Mismanaging Student
Data & Privacy**

**Relying on Inaccurate
AI Detectors**

Algorithmic Bias

Data Safety



**PII: Personally
Identifiable Information**

**Student PII protected by
FERPA & COPPA**

**Employee PII protected by
ADA & state privacy laws**

**Vet AI tools BEFORE
they can be used**

Deepfakes

AI-created media that makes a real person say or do something they never did.

No technical skills required to make

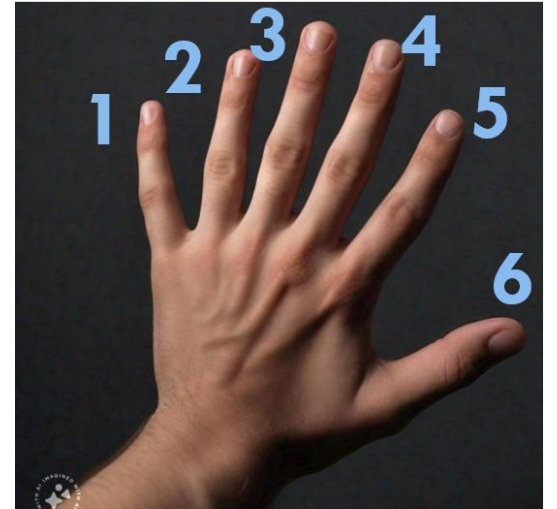
Use free websites & apps

Can be made in minutes

Deepfakes

**“Human deepfake
detection accuracy
was 55% —
barely better than
a coin flip.”**

**“The Old
Days”**



Deepfakes

Real Photo



Deepfakes

AI Deepfake Video



Deepfakes

**“40-50% of students
are aware of
deepfakes being
circulated at school.”**

Motives:

Humor

Misinformation

Bully or Embarrass

Exploit or Extort

Deepfakes

The New York Times

School Employee Arrested After Racist Deepfake Recording of Principal Spreads

By Natasha Singer

April 25, 2024



NBC NEWS

MEET THE PRESS

U.S. NEWS

POLITICS

WORLD

LOCAL

SPORTS

CULTURE

SHOPPING

WATCH



ARTIFICIAL INTELLIGENCE

A Beverly Hills middle school is investigating students sharing AI-made nude photos of classmates

The Beverly Hills Police Department said a report was taken at the California school late last week, and an investigation is underway.

Deepfakes

What Can We Do?

**Educate Adults
& Students on
Deepfakes**

**Have a
Response Plan
(Don't wait...)**

**Address
Directly
in Policy**

AI Companionship

**“72% of teens
have used AI
as companions,
with 52% doing
so regularly.”**

Available 24/7/365

Never Judgmental

Designed to Please

AI Companionship



AMERICAN PSYCHOLOGICAL ASSOCIATION

**“Chatbots were
not created
to deliver mental
health care.”**



The New York Times

THE SHIFT

Can A.I. Be Blamed for a Teen's Suicide?

The mother of a 14-year-old Florida boy says he became obsessed with a chatbot on Character.AI before his death.



**16-YEAR-OLD BOY DIES BY SUICIDE AFTER
CONFIDING IN CHATGPT ABOUT HIS FEELINGS,
LAWSUIT SAYS**

3 EYEWITNESS NEWS

AI Companionship

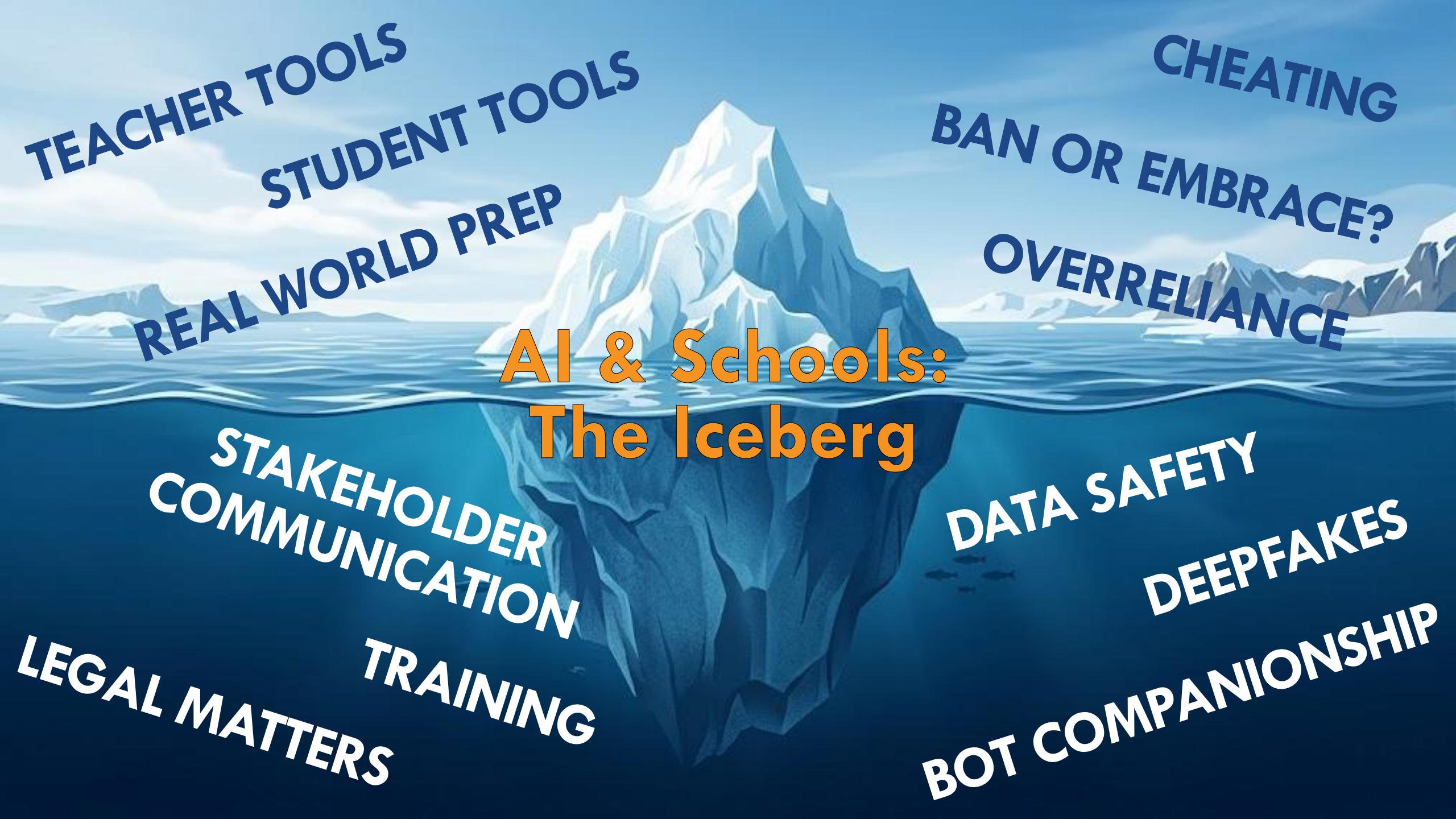
Talk About It

**Give Staff the Training
& Tools They Need**

**Build Real Connection
BEFORE the Crisis**

**“Safety is not
the absence of
threat, it is the
presence of
connection.”**

- Dr. Gabor Maté



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AI & Schools Governance

Doing nothing isn't an option.

**Waiting for more information
before acting isn't a strategy.**

Here's where to start...

Form an AI Committee

Who should be in the room?

**Leadership
& Legal**

Superintendent, Legal Counsel

Instruction

Curriculum Directors, Teachers, Librarians

Operations

IT, Communications, Special Education

Community

Parents, Students

Address AI in Policy

Set expectations and protect your district

Address:

Acceptable Use

Deepfakes

**Data Privacy
& Vendor Vetting**

**Incident Response
Protocol**

Academic Integrity

**Staff Training
& Guidance**

Appoint an AI Coordinator

Single Point of Contact

Bridges Policy to Practice

Maintains AI Use Plan

The size and scope of this role will look different in every district. What matters is that someone, not everyone, owns it.

Ensure Your Staff is Trained

Teachers | Counselors | IT | Support Staff

Role Specific

**Ongoing,
Not One-Time**

**External &
Internal Sources**

Make AI Part of Your District Improvement Plan

Weave Into Your Existing Priorities

Academic Achievement

Staff Development

**College & Career
Readiness**

**Stakeholder
Communication**

Student Safety

Resource Allocation

Governance-Level Questions (GLQs)



School Board Oversight...
Without Getting Into The Weeds

Governance-Level Questions

Teacher & Staff Support

- **How are teachers being supported and trained to use AI tools effectively and safely?**
- **How does the district's technology and AI strategy align with its overall strategic plan and student learning goals?**
- **Do current policies adequately address the use of AI by students and staff?**

Governance-Level Questions

Students

- **Do all students have equal access to devices, connectivity, and opportunities to learn with and about technology and AI?**
- **How are students developing the digital literacy, media literacy, and AI literacy skills they'll need for college, careers, and citizenship?**
- **What supports are in place to help students balance screen time, mental health, and healthy technology habits?**

Governance-Level Questions

Safety & Wellbeing

- **How is the district ensuring that technology use supports, rather than replaces, human connection and belonging in schools?**
- **What support and resources is the district providing for families to help guide healthy AI and technology use at home?**
- **How is the district helping staff and students understand the mental and emotional risks that can come with AI use?**

Governance-Level Questions

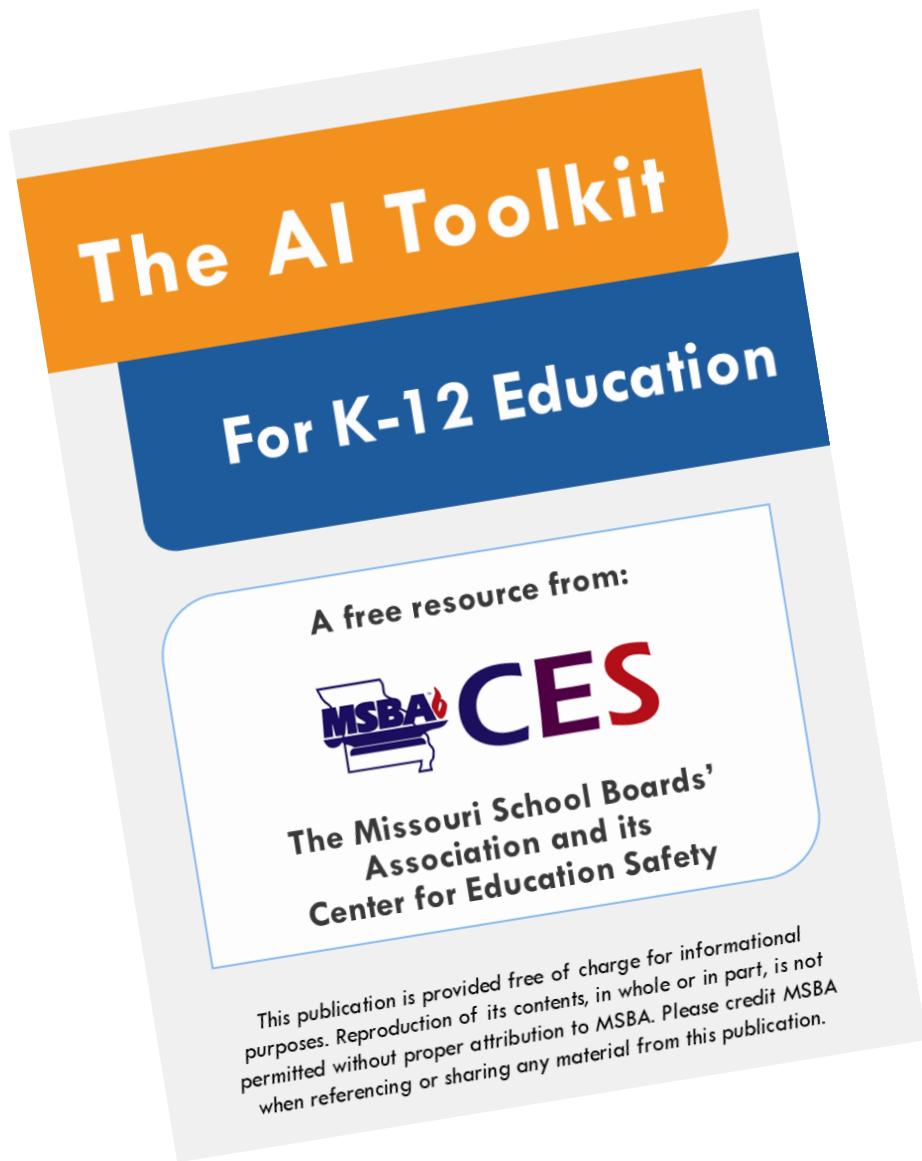
Policy & Procedures

- **What training or professional development is provided to staff to help them implement AI policies effectively?**
- **How are students taught to follow AI guidelines responsibly?**
- **Are families given guidance or resources to reinforce policy expectations at home?**

Governance-Level Questions

Future-Ready Students

- **How is the district preparing students for a rapidly changing workforce, including careers that don't yet exist?**
- **How does the district adjust its programs to stay ahead of evolving educational and workforce demands?**



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Speaking & Consulting

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Framework to Stop AI Cheating

mosba.org/ai