

# Department of Innovation and Technology Infrastructure Update

February 14, 2024  
Board of Education Meeting



# DoIT INFRASTRUCTURE CATEGORIES



**Develop implementation resources  
Aligned with our Portrait of a Graduate**

**IDENTIFY DIGITAL TOOLS THAT ARE ALIGNED TO EACH DESCRIPTOR**

**IDENTIFY HOW AN INNOVATIVE 1:1 ENVIRONMENT CAN CREATE  
OPPORTUNITIES FOR STUDENTS TO INCREASE THEIR EXPOSURE TO  
EACH DESCRIPTOR**



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# DIGITAL TOOLS

- Provide staff with information on district supported digital tools that support Portrait of a Graduate descriptors
  - Innovation and Technology Coordinators lead cohorts to merge portrait of a graduate skills and modern ways those skills can be practiced
  - Learn Platform now has a District recommended tools as well as tools that are purchased with District funds
  - PD is provided on tools purchased with District funds to increase staff adoption



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# INNOVATIVE SUPPORT OF P.O.G.

- Provide digital citizenship opportunities for all students to increase exposure to problem solving and resilient learner skills
  - Elementary Level
    - Provided teachers with 3 mini lessons on key behaviors



# INNOVATIVE SUPPORT OF P.O.G.

- Address the responsible use of artificial intelligence by staff and students to support Portrait of a Graduate characteristics
  - AI ethics and guidelines
    - AI is a supplement not a replacement for teacher created work or district adopted curriculum
    - AI isn't perfect. It has bias and hallucinations.
    - Data security matters greatly in the world of AI.
    - AI is evolving rapidly! Digital literacy work matters!
    - AI use will likely require significant financial dollars



# AI EXAMPLES - EXCITING POSSIBILITIES

TEACHERS ARE  
MAGIC



AI Planning Content Questions Intellectual Prep Student Support Communication Community Tools

<p>Take any text and summarize it in whatever length you choose.</p>	<p>Generate teacher jokes for your class to be the coolest teacher out there!</p>	<p>Generate levels.</p>
<p><b>Text Proofreader</b> Take any text and have it proofread, correcting grammar, spelling, punctuation and adding clarity.</p>	<p><b>Unit Plan Generator</b> Generate a draft of a unit plan based on topic, standards and objectives, and length of unit.</p>	<p><b>Choice Board (UDL)</b> Create a choice board for a student assignment based on the principles of UDL.</p>
<p><b>Jeopardy Review Game</b> Create a jeopardy review game for a fun way to review content with students!</p>	<p><b>Math Spiral Review</b> Generate a spiral review problem set for any math standards or topics.</p>	<p><b>Vocabulary List Generator</b> Generate a list of vocabulary words based on a subject, topic, or text that are important for students to learn.</p>
<p><b>Standards Unpacker</b> Unpack any standard into component parts to understand what students need to learn.</p>	<p><b>E-mail Responder</b> Generate a customized professional e-mail communication in response to an email that you received.</p>	<p><b>Project Based Learning (PBL)</b> Based on the principles of Project Based Learning (PBL), create a full project plan.</p>
<p><b>Group Work Generator</b> Generate group work activity for students based on a topic, standard, or objective.</p>	<p><b>Letter of Recommendation</b> Generate a letter of recommendation to a university or institution for a student using specific content about them.</p>	<p><b>Social Stories</b> Generate a social story about a particular event to help a student understand what to expect in that situation.</p>
<p><b>5E Model Lesson Plan</b> Generate a 5E model lesson plan for your science class. Engage, Explore, Explain, Elaborate, Evaluate.</p>	<p><b>YouTube Video Summarizer</b> Get a summary of a YouTube video in whatever length you choose.</p>	<p><b>Decodable Texts</b> Generate a decodable text based on the Science of Reading to support early literacy.</p>
<p><b>Multiple Explanations</b> Generate clear explanations of concepts that you're teaching in class to help student understanding.</p>	<p><b>Sentence Starters</b> Provide sentence starters for any topic, assignment, standard, or objective.</p>	<p><b>Teacher Observations</b> Generate areas of strength and suggestions for next steps for a teacher based on a classroom observation.</p>
<p><b>Real World Connections</b> Generate real world examples to increase student investment.</p>	<p><b>Vocabulary Based Texts</b> Generate original texts for your class that include a custom list of vocabulary to help practice words in context.</p>	<p><b>Exemplar &amp; Non-Exemplar</b> Have AI write exemplar &amp; non-exemplar responses to specific assignments to help "see" what is expected.</p>
<p><b>Behavior Intervention Suggestions</b> Generate a list of suggestions for behavior intervention based on the behaviors of a student that needs support.</p>	<p><b>Multi-Step Assignment</b> Generate a full assignment based on any topic, including a warmup, academic content, vocabulary, and questions.</p>	<p><b>Quote of the Day</b> Generate quote of the day suggestions based on any topic.</p>
<p><b>Science Labs</b> Generate an engaging science lab based on topics and standards of your choice.</p>	<p><b>Make it Relevant!</b> Generate several ideas that make what you're teaching relevant to your class based on their interests and background.</p>	<p><b>Text Analysis Assignment</b> Generate a text based analysis assignment that includes a writing prompt along with text dependent questions.</p>
<p><b>Class Newsletter</b> Generate a newsletter to send to families weekly.</p>	<p><b>Team Builder / Ice Breaker</b> Create a team builder / Ice Breaker for virtual or in-person meetings.</p>	<p><b>SEL Lesson Plan</b> Generate a Social Emotional Learning (SEL) lesson plan for students in any grade level.</p>
<p><b>Clear Directions</b> Make your directions more concise and sequential so they're easier to understand for your students.</p>	<p><b>Coach's Sports Practice</b> Generate a plan for practice for any sport that you're coaching!</p>	<p><b>Assignment Scaffolder</b> Take any assignment and empower students by breaking it down into manageable steps, fostering stronger understanding and enabling greater independence.</p>



COMMUNITY UNIT SCHOOL DISTRICT 200



# AI EXAMPLES - EXCITING POSSIBILITIES

## Step 1: Whatever you're teaching, we've got you covered

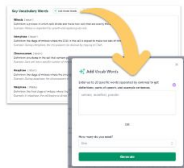
Use existing curriculum, or generate content from scratch with real, cited sources. Choose a grade level and language, and watch Diffit create a complete, differentiated resource. ✓



Q Literally Anything

## Step 2: Customize - because teachers know best.

Instantly re-level text, customize vocabulary, add questions at different DOK levels, translate, and lots more. 📄



## Step 3: Get student-ready activities

Turn your content into "just right" activities with our library of high-quality, student-ready exports. ✨



Export to share with students

Q Search...

Formats ▾

All Favorites



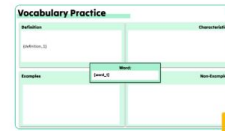
**Facts and Opinions Workbook**  
Printable Digital



**Claims and Evidence Interactive Slides**  
Digital



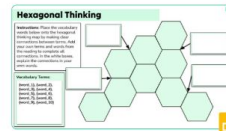
**Cornell Notes Workbook**  
Printable



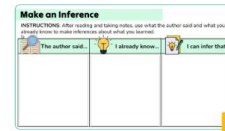
**Vocabulary Practice**  
Interactive Slides Digital



**Google Forms Quiz**  
Digital



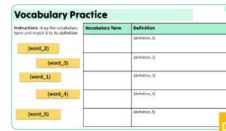
**Hexagonal Thinking Interactive Slides**  
Digital



**Making Inferences Interactive Slides**  
Digital



**Printable Doc**  
Printable



**Vocabulary Drag and Drop Interactive Slides**  
Digital

# AI EXAMPLES - EXCITING POSSIBILITIES



# AI EXAMPLES - EXCITING POSSIBILITIES

## Support for MLs

*I have been using Diffit to make material for my ML students. I make an English and Spanish version of the material for them. This way I can present the same material that is in the textbook that I do not have translations for.*

## Support in Student Services

When possible, I prefer to use "photo" visuals as opposed to illustrations as I find them to be more concrete as well as more age appropriate and engaging for middle schoolers. Surfing google for an appropriate photo is very time consuming so this is such a resource! When I create language lessons I find that it is helpful to type in words describing a photo I need for the lesson and then we can engage with it according to the targets I'm working on for each student.

Answering questions..."where is the dog?"

Description tasks: The dog is next to the girl.

Social emotional inferences: The girl looks happy!

Compare/contrast: How are these 2 photos the same and how are they different?



# AI EXAMPLES - CAUTIOUS USE

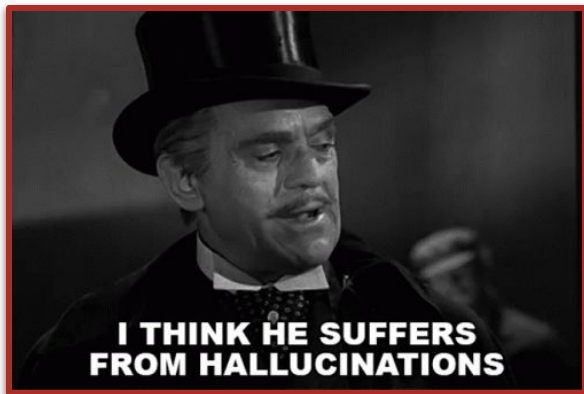
Message ChatGPT...



ChatGPT can make mistakes. Consider checking important information.



AI is meant to be convincing not always accurate



Critical thinking skills are more important than ever

# AI EXAMPLES - CAUTIOUS USE



AI is meant to be convincing not always accurate

Critical thinking skills are more important than ever

# AI EXAMPLES - CAUTIOUS USE

## Could someone falsely accuse you of using AI-generated text? This could be why

If you're a non-native English writer, you should know GPT detectors are biased against you.



Written by Maria Diaz, Staff Writer on July 18, 2023

AI can show bias towards ML students

Critical thinking skills are more important than ever



# INNOVATIVE SUPPORT OF P.O.G.

- Address the responsible use of artificial intelligence by staff and students to support Portrait of a Graduate characteristics
  - EC-12 admin given PD on AI use by staff
  - EC-12 staff given PD on AI use by staff
    - Dedicated PD on Institute Days
    - Staff meetings at buildings
    - AI education campaign online
    - Local cohort work at select buildings



# INNOVATIVE SUPPORT OF P.O.G.

- Address the responsible use of artificial intelligence by staff and students to support Portrait of a Graduate characteristics

To be addressed:

- How is AI currently being used by students?
- What education do students need around the ethical use of AI?





# DoIT INFRASTRUCTURE CATEGORIES



**Develop and maintain robust technology systems**

**ANNUALLY ASSESS THE STABILITY AND SECURITY OF DISTRICT TECHNOLOGY SYSTEMS**

**ENSURE COMPREHENSIVE DATA SYSTEMS ARE ACCESSIBLE AND USABLE FOR STAFF**

**REGULARLY EVALUATE DIGITAL TOOLS AND SUBSCRIPTIONS TO ENSURE THEY ARE MEETING THE NEEDS OF THE SCHOOL SYSTEM AND ARE ALIGNED WITH STRATEGIC WORK**



# VISION 2026 WORK



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# STABILITY AND SECURITY

- Fully join CUSD200 Transition Center to district network
- Implement new cloud based telecommunications system district wide
- Evaluate current firewall solution
- Conduct annual penetration testing
- Continue ongoing cybersecurity education and phishing campaigns with CUSD200 staff
- Implementation of Verkada Guest Management System

Districtwide\*\*



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# COMPREHENSIVE DATA SYSTEMS

- ASSESS AREAS OF NEED FOR INNOVATION AND RELIABILITY IN DISTRICT SIS
  - Our SIS data is now stored in the cloud via our vendor Edupoint
  - Online registration is now live for all families with students new to CUSD200
  - Returning student registration is anticipated to go live in late Spring 2024



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# SOPPA Compliance

- All district 200 digital tools are monitored for student data and privacy requirements
- Learn Platform is the central hub teachers use to check which tools are allowed
- Learn Platform has a public facing site that parents can see which tools are allowed as well
- Phase 2 - while a tool may be SOPPA compliant we need to ensure it can also be fully supported with district resources



# Questions?

