

AI Mastery Cheat Sheet

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KEY USAGES AND PROMPTS

Improve your writing: Proofread my essay on [Insert Topic]. Fix grammar and spelling mistakes and suggest improvements.

Delegate your research: Create a report about [Insert Topic]. Include a step-by-step guide and key points.

Learn new skills: I want to learn [Insert Desired Skill]. Create a 30-day learning plan.

Use 80/20 to learn faster: Summarize the most important 20% of [Insert Topic].

Summarize long texts: Summarize the below text and provide key insights.

Simplify complex documents: Rewrite this document to make it easy to understand: [Insert Text].

Generate new ideas: I want to [Insert Task or Goal]. Generate [Insert Desired Outcome].

Explain complex topics: Explain [Insert Topic] in simple terms for a beginner.

Write professional emails: Compose an email to [Insert Recipient] about [Insert Subject], ensuring clarity.

ACT AS {ROLE}

- Teacher
- Curriculum Developer
- School Administrator
- Counselor

CREATE A {TASK}

- Lesson Plan
- Homework Assignment
- Classroom Activity
- Rubric
- Email

SHOW AS {FORMAT}

- Table
- List
- Slide Presentation
- Letter

IMPLEMENT {GUIDELINES}

- Use Grade-Level language.
- Adapt for Special Education.
- Use State Standards.
- Incorporate Bilingual resources.
- Use Citations for sources.

Key Terms and Features

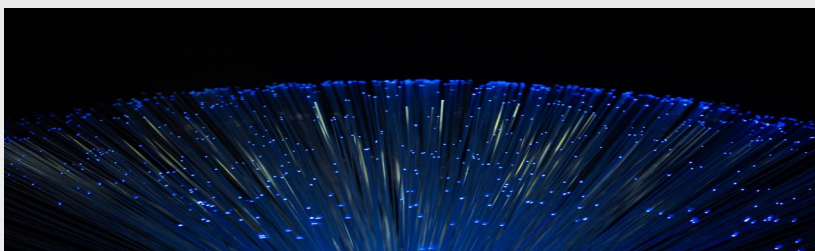
Machine Learning (ML): A subset of AI that involves training algorithms to learn patterns from data and make predictions or decisions.

Natural Language Processing (NLP): A field of AI focused on the interaction between computers and humans through natural language, enabling understanding and generation of human language.

Generative AI: AI that generates text, images, music, and videos.

Prompting: Instruct a generative AI to produce text outputs like lesson plans, worksheets, essays, etc.

Prompt Engineering: Crafting the correct prompts to get desired outputs.



EDUCATION RELATED AI TOOLS

(NOTE: THESE TOOLS HAVE NOT BEEN VETTED AND SHOULD BE USED AT YOUR OWN DISCRETION.)

AI Tool	Brief Description	Website
Bard	Academic research and citations	https://bard.google.com/
ChatGPT	Writing and brainstorming	https://www.openai.com
Duolingo	Language learning	https://www.duolingo.com/
Edmodo	Learning management system	https://www.edmodo.com/
Khan Academy	Free education platform	https://www.khanacademy.org/
Moodle	Open-source LMS	https://moodle.com/
NoRedInk	Writing and grammar practice	https://www.noredink.com/
Quizizz	Interactive quizzes	https://quizizz.com/
Quizlet AI	Flashcards and study tools	https://quizlet.com/
Scribblar	Collaborative whiteboard	https://www.scribblar.com/
Wolfram Alpha	Complex problem-solving	https://www.wolframalpha.com/

This information is provided for educational purposes only to facilitate a general understanding of the matter. This information is neither an exhaustive treatment on the subject nor is this intended to substitute for the advice of a professional advisor. Consult with your professional advisor to apply these principles. This presentation was developed with the assistance of an artificial intelligence tool, specifically a large language model (LLM). The AI provided support in generating textual content, augmenting data analysis capabilities, and aiding in the development of insights.

Modes and Roles

- **Researcher:** Find recent studies on [Insert Topic].
- **Lesson Planner:** Create a lesson plan on [Insert Topic].
- **Grader:** Assess and provide feedback on [Insert Student Work].
- **Tutor:** Explain [Insert Topic] in simple terms.
- **Counselor:** Provide support on [Insert Topic].

Tones

Friendly
 Formal
 Persuasive
 Descriptive
 Humorous
 Professional
 Simplify

Format

Essay
 Report
 Bullet Points
 Slides
 Interactive Tool
 Email
 Flash Cards

SPECIAL POPULATION RELATED AI TOOLS AND PROMPTS

(NOTE: THESE TOOLS HAVE NOT BEEN VETTED AND SHOULD BE USED AT YOUR OWN DISCRETION.)

Feature	Description	Prompt	Application
Behavioral Intervention Plans (BIPs)	Creates and monitors behavior management plans.	"Create a behavior intervention plan for [student's name]."	ChatGPT
Bilingual Resources	Provides educational resources in multiple languages.	"Provide bilingual resources for teaching [subject]."	ChatGPT Colorín Colorado
Natural Language Processing (NLP)	Translates and generates language for bilingual materials.	"Translate this lesson into [target language] for bilingual students."	Google Translate
Personalized Learning	Tailors education to individual student needs.	"Create a personalized learning plan for a bilingual student."	ChatGPT Duolingo for Schools
Progress Monitoring	Tracks and reports student progress.	"Monitor and report the progress of [student's name]."	ChatGPT ClassDojo
Social Skills Training	Develops social skills for students with challenges.	"Develop social skills training exercises for [student's name]."	ChatGPT
Speech Recognition (Bilingual)	Transcribes spoken language into text for bilingual students.	"Transcribe my spoken words into [target language]."	Microsoft Translator
Speech Recognition (Dyslexia)	Converts speech to text for students with dyslexia.	"Convert my spoken words into text."	Otter.ai
Text-to-Speech (TTS) (Dyslexia)	Reads text aloud to aid students with dyslexia.	"Read this text aloud for [student's name]."	NaturalReader
Universal Design for Learning (UDL)	Creates flexible learning environments for all students.	"Design a lesson plan that incorporates UDL principles for bilingual students."	ChatGPT CAST UDL Exchange