AI-Literacy: Preparing Students for Success in a Digital Age

Vi Hawes, November 19th, 2024

GED
TESTING SERVICE®

Before We Get Started

During the webinar, **please:**

1. Keep your sound and video **muted**. This will limit background noise.

2. Ask questions using the **chat function**.

3. Keep in mind that the session is being **recorded** for future viewing.

4. The session and all associated materials will be posted on the GED website at: https://www.ged.com/educators-admins/professional-development/
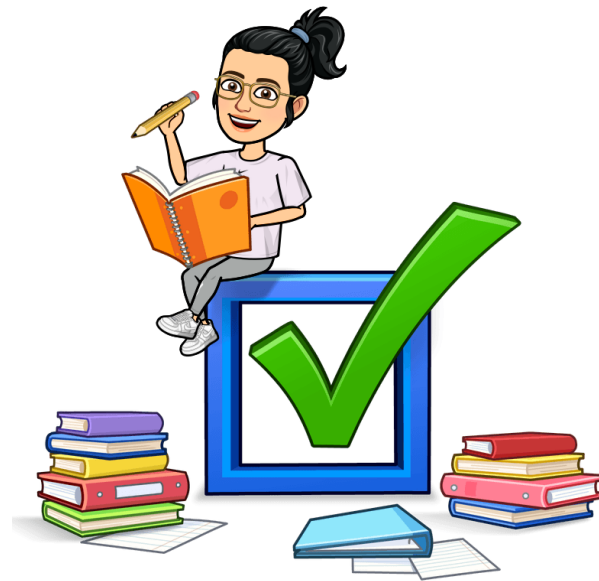
Vi Hawes (she/her/hers)

- Pima Community College Adult Basic Education for College & Career
- VH Ed Tech Consulting, LLC
- ESOL Instructor / EdTech Specialist

VH ED TECH CONSULTING

GED TESTING SERVICE®

Agenda:

- The Importance of AI Literacy
- Distinguishing AI-Generated from Real Images
- Benefits & Limitations of AI
- What Can AI Do For You?
- Fact or Fiction?
- Conclusion

AEIOU Graphic Organizer

A (Adjective)	List a word that describes something you saw or learned.
E (Emotion)	Describe how it made you feel.
I (Interesting)	Note something you found interesting.
O (Oh!)	What surprised you and made you say , "Oh!"
U (Um?)	What questions do you have? What do you want to learn more about?

Importance of AI Literacy

Why It Matters

- Prepares for an AI-driven future.
- Enhances critical thinking
- Promotes ethical AI use
- Fosters innovation

Key Benefits

- Improve digital competency
- Enhance research skills
- Understand AI's scope
- Increase employability

What is AI Literacy?

Understanding HOW AI works.

Deciding WHEN to use AI (and when NOT to).

Applying effective prompt engineering methods.

Displaying digital adaptability.

Evaluating AI output.

Adding human value.

➔ AI literacy involves understanding <u>implications, potential, and responsible use</u> of AI technologies

GED TESTING SERVICE®

AI or Not AI?

You will be given various images and you will need to determine which is AI-generated and which is not.

GED
TESTING SERVICE®

1.

NOT AI @ at the Steve Jobs Apple Park

2.

AI : Generated by thispersondoesnotexist.com

3.

AI : Generated by Gemini

4.

NOT AI

5.

AI

6.

NOT AI

7.

AI: Created by OpenAI's Sora

Understanding AI-Generated Content

AI-Generated Content

Content created by AI systems like ChatGPT. Often based on patterns in vast datasets.

Human-Generated Content

Content created by humans. Reflects personal experiences, creativity, and nuanced understanding of context.

Key Differences

AI content may lack emotional depth or real-world context. Human content often has more nuanced perspectives.

Distinguishing AI-Generated from Real Images

Look for Imperfections

AI-created images can have subtle flaws like unnatural eye reflections or blurred edges that real photos do not.

Identify Distortions

AI models sometimes struggle with lighting, shadows, and motion blur, resulting in inconsistencies that give away the artificial origin.
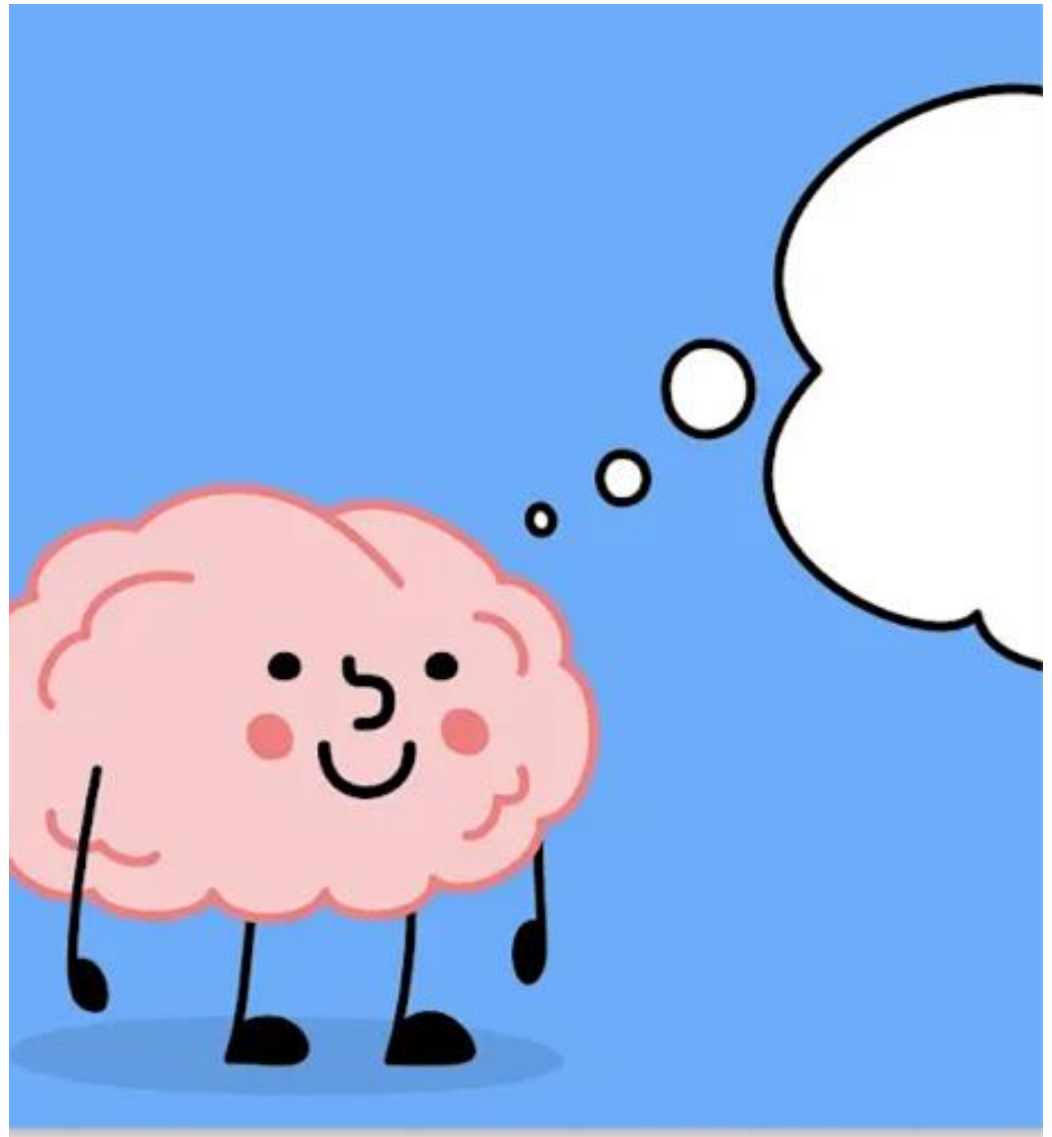

Analyze Image Metadata (if possible)

Check the image metadata for clues like camera model, lens type, or timestamp. AI-generated images often lack this contextual data.

Say What You See– Google

Learn the art of image prompting with the help of Google AI.

Benefits of AI in Education

24/7 Availabilty

AI tools offer round-the-clock access to information and assistance. Students can learn at their own pace.

Personalized Learning

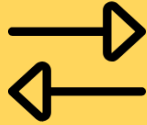AI can adapt to individual learning styles and needs. It provides tailored content and feedback.

Content Generation & Planning

Assist in generating lesson plans, project ideas, and quizzes, saving teachers time.

Enhanced Efficiency

With automating tasks, AI frees up educators' time, enabling them to allocate more effort to direct student interactions and personalized feedback.
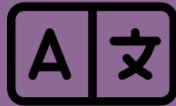
Activity: What Can AI Do For You?

1. Create a Recipe
You have rice and tomatoes at home. Ask ChatGPT for a simple recipe using these ingredients.

2. Fitness Plan
You want to eat healthier and stronger. Ask ChatGPT for a fitness plan

3. Language Learning
Use ChatGPT to figure out the best way to become more fluent in speaking English.

4. Create your own prompt

GED
TESTING SERVICE®

Activity: Fact or Fiction?

1. Work in a group

2. **Statement Evaluation:**
   You will be given 10 statements. Some of them are true and some are false.

3. **Research**
   You will use ChatGPT or another GenAI tool to research the truth of the statements. Then, you will do a separate internet research to compare and contrast your results.

4. **Reflection**
   Discussion your findings with your group, considering the source and evidence behind each statement.

GED TESTING SERVICE®

Activity: Fact or Fiction?

1. The population of the Earth is over 8 billion people.

2. The Great Wall of China is visible from space.

3. Elephants are the only mammals that cannot jump.

4. The Mona Lisa was painted by Leonardo da Vinci.

5. Chocolate comes from a vegetable.

6. The world's quietest room is located in Minnesota.

7. Goldfish have a memory span of only 3 seconds.

8. The Earth is the hottest planet in our Solar System.

9. Bananas are a natural source of antacids.

10. The population of the world is made up mostly of adults.

GED TESTING SERVICE®

Limitations of AI

Lack of Emotional Intelligence

AI may struggle with nuanced emotional contexts. It can't replace human empathy or intuition.

Potential Misinformation

AI can produce convincing but incorrect information. Critical evaluation skills are essential.

Bias in AI Models

AI can perpetuate existing biases present in their training data, leading to unfair treatment of certain people groups.

Limitations of AI

Data Privacy & Security

AI tools often require access to sensitive data, which can be vulnerable to breaches and misuse.

Reduced Human Interaction

Over-reliance on AI can lead to reduced human interaction.

Conclusion: Empowering AI Literacy

1. **Critical Thinking is Key**
   Emphasize the importance of questioning and verifying AI-generated information. Encourage analytical skills.

2. **AI as a Tool, NOT a Replacement**
   Use AI as an assistant. Stress the importance of human creativity and insight.

3. **Ongoing Learning**
   Stay updated on AI developments. Embrace lifelong learning.

4. **Ethical Considerations**
   Discuss the ethical implications of AI in education. Address privacy concerns and responsible use.

GED TESTING SERVICE®

AEIOU Graphic Organizer

A (Adjective)	List a word that describes something you saw or learned.
E (Emotion)	Describe how it made you feel.
I (Interesting)	Note something you found interesting.
O (Oh!)	What surprised you and made you say , "Oh!"
U (Um?)	What questions do you have? What do you want to learn more about?

Thank you!

Next Tuesdays for Teachers:

Tackling Test Anxiety

December 10, 2024

Website Link:
ContactUs@GED.com

GED
TESTING SERVICE®