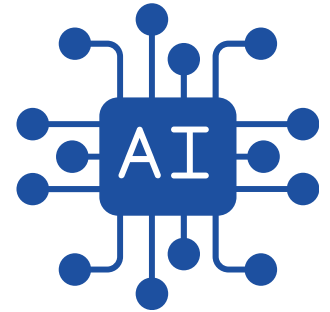


What is Generative AI?

Generative AI is artificial intelligence that can create new content, such as text, images, music, or code, based on instructions given. Examples include ChatGPT, Google Gemini, and Adobe Firefly. These tools can support brainstorming, learning, and problem-solving but must be used responsibly to maximize benefits while addressing concerns.



Appropriate AI Usage

- Ensure equitable opportunities for all students to learn about and with AI.
- Critically evaluate AI-generated content for accuracy, bias, curriculum alignment, and purpose.
- Use AI to create differentiated and personalized instructional resources.
- Conduct research with oversight.
- Use AI for brainstorming and formative evaluation.
- Utilize only district-approved AI tools that align with legal and ethical standards.



Inappropriate AI Usage

- Excluding students from AI learning opportunities.
- Using AI-generated content without verifying accuracy.
- Compromising student data privacy.
- Relying on AI detectors alone to determine student misuse.
- High-stakes grading without human oversight.
- Creating student accounts without district and parental consent.

AI and Assessment

AI can transform assessments but must be implemented carefully due to potential biases and inaccuracies.

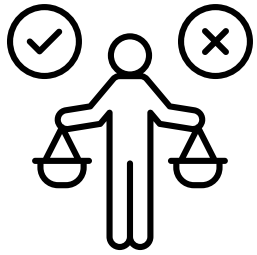
AI Detectors: Concerns & Alternatives

AI detectors can be unreliable, producing false positives and negatives.

Instead of relying on AI detectors, educators should:

1. Engage students in discussions about their work.
2. Require drafts and reflections in the assessment process.
3. Use AI-resistant assessments like oral presentations and debates.
4. Foster student AI literacy and ethical AI use.





Concerns with AI Use

- **Bias & Accuracy:** AI content may contain biases or inaccuracies.
- **Student Over-Reliance:** AI can hinder critical thinking if not guided properly.
- **Data Privacy Risks:** Inputting sensitive data may violate FERPA and COPPA.
- **Inappropriate Use:** AI-generated deep fakes can create ethical and legal issues.
- **Unhealthy Attachments:** Some students may develop an over-reliance on AI as a personal entity.

Making Traditional Assessments AI-Resistant

- **Process over Product:** Require students to submit drafts, outlines, or research notes.
- **Personal Experiences:** Design tasks incorporating personal reflections and anecdotes.
- **Classroom Interaction:** Engage students in live discussions, debates, and oral presentations.
- **Multimedia or Creative Projects:** Assign artistic or multimedia projects instead of traditional essays.
- **Evaluative & Speculative Elements:** Focus on assignments that require critical thinking and creativity.



AI Acceptable Use Scale

The AI Acceptable Use Scale clarifies the appropriate level of AI use in student tasks. Educators should explicitly communicate AI expectations for assignments.

- **NC AI Guidelines:**
http://go.ncdpi.gov/AI_Guidelines
- **AI Assessment Scale:**
https://go.ncdpi.gov/AI_Assessment_Scale

Student AI Integration: 0 to Infinity

Student AI Usage Continuum for Empowered Learning

To prepare ALL students for the AI-rich future that awaits them, it is imperative that they ALL learn ABOUT AI, and have opportunities to learn WITH AI in increasingly interactive and complex ways.

0	AI Free/AI Resistant <ul style="list-style-type: none">• Work must be completed entirely without any AI assistance.• Students must rely entirely on their own knowledge, understanding, and skills.• Any AI use is a violation of student academic integrity policy.• An academic honesty pledge that AI was not used may be required.
1	AI Assisted <ul style="list-style-type: none">• AI is used for tasks as specified such as brainstorming, planning, feedback etc.• No AI content is allowed in the final submission.• Usage beyond specified tasks is a violation of academic integrity.• Disclosure statement should be submitted with final product; be prepared to share links, screenshots, etc as evidence of all AI Chats
2	AI Enhanced <ul style="list-style-type: none">• AI is used interactively throughout to enhance your knowledge, efficiency, & creativity.• Student must provide human oversight and evaluation of all AI-generated content.• Interactivity with AI and critical engagement with AI-generated content is required.• Student is responsible for the accuracy and fairness of all AI-generated content.• Disclosure statement should be submitted with final product; be prepared to share links, screenshots, etc as evidence of all AI Chats
∞	AI Empowered <ul style="list-style-type: none">• The full integration of AI allows for the creation of things that were previously impossible, empowering students as critical thinkers, creatives, and problem solvers.• Student must provide human oversight and evaluation of all AI-generated content.• Student is responsible for the accuracy, fairness, & originality of all AI-generated content.• All AI tools used and how they were used should be cited in a disclosure statement.

Adapted by Verna Cubero 4/2024 for the North Carolina Department of Public Instruction (NCDPI) from the work of Dr. Loran Fortes, Dr. Mike Perkins, Dr. Jason Rose PHEA, & Dr. Jason McLaughlin

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