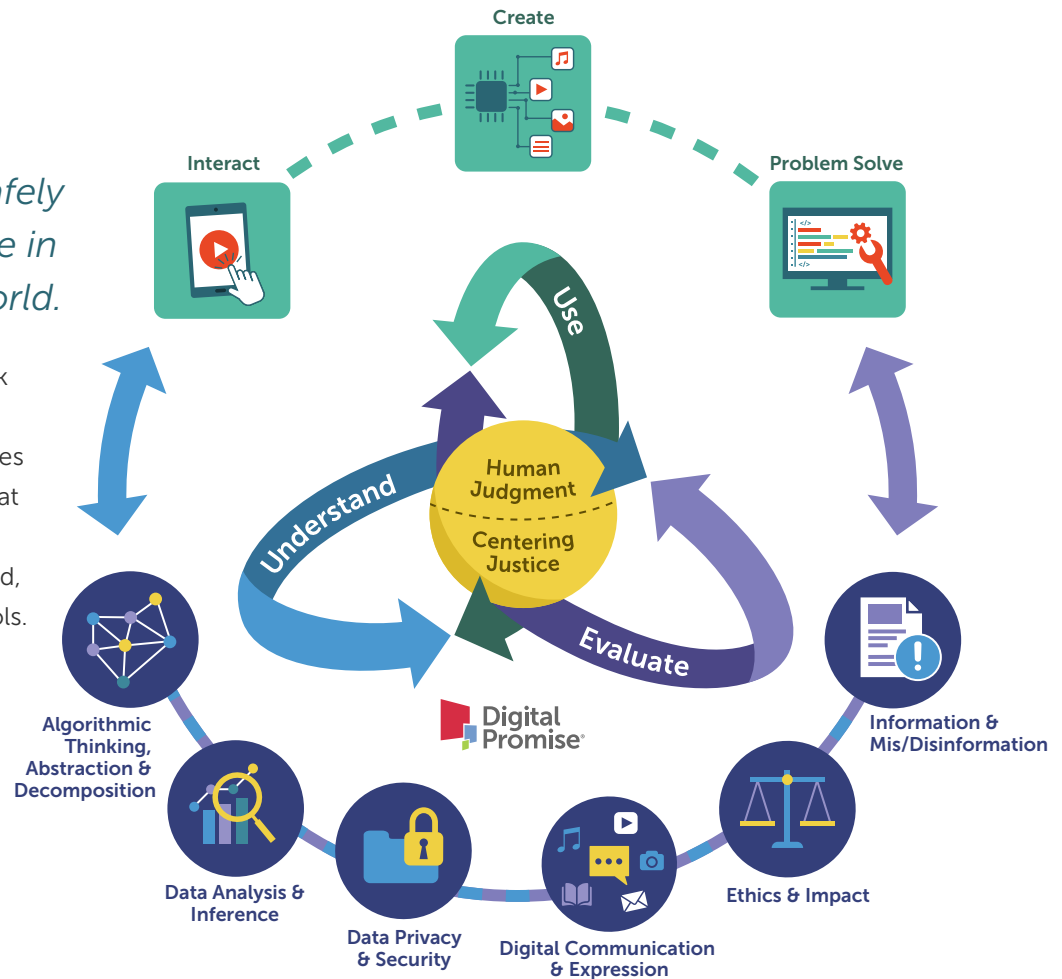


# AI Literacy: A Framework to Understand, Evaluate, and Use Emerging Technology

*AI literacy is critical to safely and effectively participate in an increasingly digital world.*

Our expanded AI Literacy Framework depicts the relationship between AI Literacy Practices, Core Values, Modes of Engagement, and Types of Use that support the knowledge and skills to enable people to critically understand, evaluate, and use AI systems and tools.



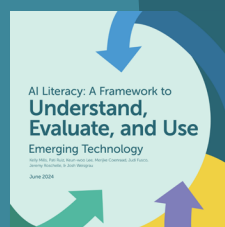
Framework Component	Description	Examples
AI Literacy Practices	Actionable practices of understand and evaluate that learners can demonstrate	Data Privacy & Security, Information & Mis/Disinformation
Core Values	Underlying principles that support learners to safely and effectively use AI tools	Human Judgment, Centering Justice
Modes of Engagement	Interconnected ways users can engage with AI-enabled tools in order to demonstrate AI literacy	Understand, Evaluate, Use
Types of Use	Distinct purposes for which users engage with AI-enabled tools	Interact, Create, Problem Solve

# AI Literacy Practices

AI Literacy Practices are actionable skills that learners can demonstrate. These practices define how users can **Understand** and **Evaluate** AI-enabled tools and how educators can support AI literacy development. In the table below, we provide descriptions and examples of each of the AI Literacy Practices.

AI Literacy Practice	Description	Student Look Fors
 <b>Algorithmic Thinking, Abstraction &amp; Decomposition</b>	Develop and/or use a computer's ability to recognize data and create a prediction or perform an action based on both the situation and stored information without explicit human guidance.	<ul style="list-style-type: none"> <li>• Training and/or prompting AI tools and systems</li> <li>• Defining procedures as algorithms</li> <li>• Testing and debugging</li> <li>• Breaking down problems into smaller parts</li> </ul>
 <b>Data Analysis &amp; Inference</b>	Consider the context of datasets, data visualizations, and data collection with criticality. Assess quality of training data for AI tools and leverage AI models and methods to collect, analyze, and visualize data.	<ul style="list-style-type: none"> <li>• Determine quality (accuracy, completeness, validity, etc.) of dataset</li> <li>• Analyzing and organizing datasets</li> <li>• Describing patterns and relationships</li> <li>• Evaluating and deducing information</li> </ul>
 <b>Data Privacy &amp; Security</b>	Develop awareness of data privacy and security while fostering ownership and agency of how to protect data in AI-enabled systems. This includes the privacy and security of personal data collected by an AI system or tool and how that data is used.	<ul style="list-style-type: none"> <li>• Identifying how personal information is being collected, used, and shared</li> <li>• Preventing tools from collecting data and/or deleting data that was collected</li> <li>• Identifying datasets that were used to train an AI model</li> </ul>
 <b>Digital Communication &amp; Expression</b>	Understand how AI systems create synthetic content, evaluate synthetic AI creations, and consider ethical responsibilities when consuming, creating, and sharing AI-enabled products.	<ul style="list-style-type: none"> <li>• Understand norms and best practices of use, development, and application of AI systems</li> <li>• Evaluate outputs of AI-enabled system for appropriate tone, audience, and content</li> <li>• Responsibly engage in the consumption, creation, or sharing of AI-enabled products, including ethical sourcing and citation</li> </ul>
 <b>Ethics &amp; Impact</b>	Examine the outputs of algorithms and question the biases inherent in the AI systems and tools being used. Consider the benefits and harms of AI tools to the environment, people, or society. Importantly, consider how datasets, reproduce bias in our society.	<ul style="list-style-type: none"> <li>• Understand how values, beliefs, and points of view are applied through AI-enabled systems and outputs</li> <li>• Determine if and how an AI algorithm is the right tool for the job</li> <li>• Consider the benefits and/or costs of AI to individuals, society, and the environment</li> <li>• Understand if AI is perpetuating issues of access and equity</li> </ul>
 <b>Information &amp; Mis/Disinformation</b>	Determine credibility of AI system outputs in digital landscapes. This includes evaluating datasets and AI products/outputs for false, inaccurate, or misleading information.	<ul style="list-style-type: none"> <li>• Cite valid, reliable data and evidence that apply in a variety of situations across contexts.</li> <li>• Evaluate the credibility or accuracy of an output or prediction</li> <li>• Identify how bias in data collection informs reporting</li> </ul>

Read the full paper at  
[DigitalPromise.org/AILiteracy](https://DigitalPromise.org/AILiteracy)



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