



Pädagogische Hochschule
Weingarten
University of Education

Beyond Choosing Apps

An Orientation Framework for Integrating AI and Digital Media in Adult Basic Education

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The Challenge



AI



ChatGPT



OCR



Speech Recognition



Text-to-Speech



Translation



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The question is no longer

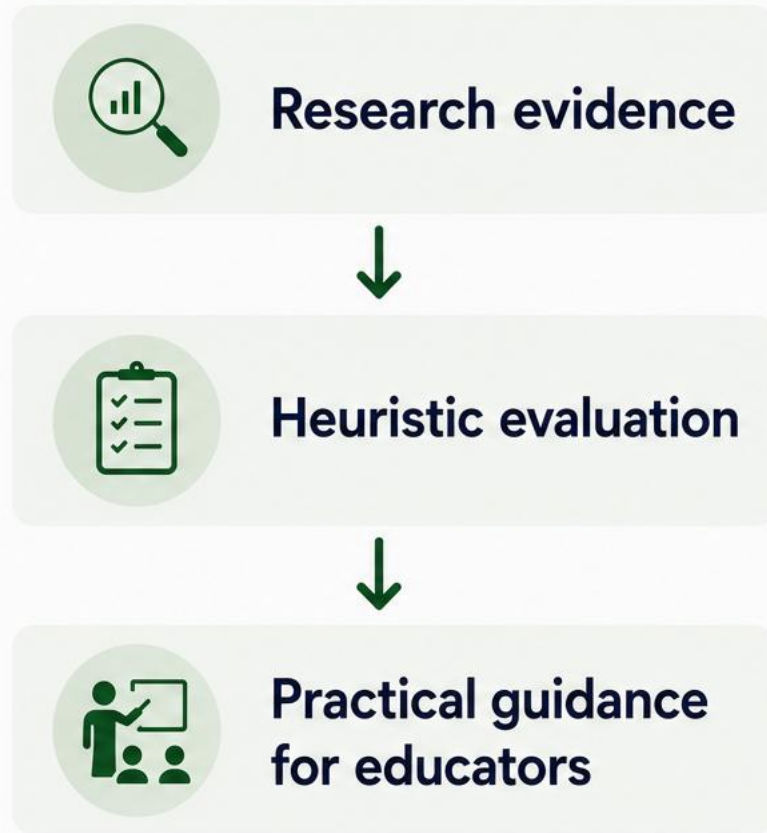
Which tools exist?



The question is

**Which tools are
pedagogically meaningful?**

From research to practice



*From evaluating digital tools to evaluating
AI-supported learning environments.*



From Apps to Principles

Four guiding principles help us evaluate any digital or AI-supported tool.



REDUCES BARRIERS

Does the tool make learning more accessible and inclusive?



SUPPORTS LITERACY

Does the tool support the development of literacy skills?



PROMOTES AUTONOMY

Does the tool encourage independence and self-directed learning?



FOSTERS PARTICIPATION

Does the tool support meaningful participation and communication?



Any digital tool—including **AI**—can be evaluated using these principles.

Orientation Framework

Template for evaluating digital offers in adult basic education

Heuristic	Meets the criterion	Does not meet the criterion	Notes
 Learnability Is the offer easy to understand – can learners use it independently after a short introduction?	☐	☐	
 Self-descriptiveness Is it clear how the digital offer works? Can learners find additional explanations?	☐	☐	
 Perceptual support Are important contents (e.g. buttons, instructions) clearly highlighted? Is the focus guided purposefully to support learners?	☐	☐	
 Task appropriateness Are the tasks neither too difficult nor too easy? Do they match the learning level of participants?	☐	☐	
 Expectation conformity Does the offer work the way users expect? Are there surprises or confusing processes?	☐	☐	
 Controllability Can learners control the pace, repetitions or selection of content themselves?	☐	☐	
 Perspectives adoption Is the design adapted to the everyday life and the abilities of the target group?	☐	☐	
 Joy of use Does using the offer create joy and motivation to continue?	☐	☐	
 Intercultural appropriateness Is cultural diversity taken into account? Are language, images and content inclusive?	☐	☐	



Instead of recommending tools,
we provide educators with questions that help them evaluate
 any digital or AI-supported application.

Sandra Reeder-Langer,
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Take-home message



**Technology evolves.
Pedagogical principles endure.**



**Educators need
frameworks—not lists of apps.**



Further Reading & Resources

Interested in exploring these ideas further?

GediG Project

www.gedig.online

Orientation Framework

An English version of the Orientation Framework will be available on the GediG website later this summer.

Further Reading

Koppel, I., Langer, S. & David, L. M. (Hrsg.) (2025). *Digitale Medien in der Grundbildung. Einsatzmöglichkeiten und Gelingensbedingungen*. wbv.

<https://doi.org/10.3278/9783763978168>



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THANK YOU!

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