

GENIUS MODE RESEARCH

COLLABORATING WITH STUDENT TEACHERS

From How Does Pre-Service Teachers' Empathy Influence Their Collaborative Design? An Epistemic Network Analysis

by Chen et al, *Journal of Creative Behavior*, May, 2025

<https://doi.org/10.1002/jocb.70040>

ESSENTIAL QUESTIONS

How can pre-service teachers collaborate with their peers and mentors to empathize with student needs and design novel learning solutions?



KEY TAKEAWAYS



- Pre-service teachers often struggle at the ill-defined tasks of creatively designing novel and effective learning solutions for students.
- Pre-service teachers need structured empathy strategies to understand student needs and find solutions.
- The challenge is promoting problem-solving without support becoming too rigid.

DOS AND DON'TS

DO spend collaboration time on understanding the nature of the problem. Novices often over-fixate on solution-finding.

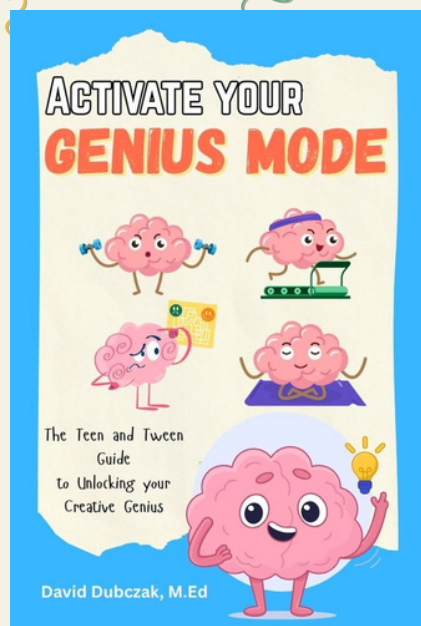
DO cycle between structured and unstructured support cycles. Unstructured thinking often leads to wider exploration of the problem space.



GENIUS MODE CONNECTIONS



Good collaboration allows us to generate ideas and evaluate ideas **separately**. We provide several frameworks, including **POPIT**, the **Creative Problem-Solving Process**, and the **Delayed Guidance Method** for exploring the problem space, and generating and evaluating ideas. This all builds off the science of divergent and convergent thinking.



Reviews Say:

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