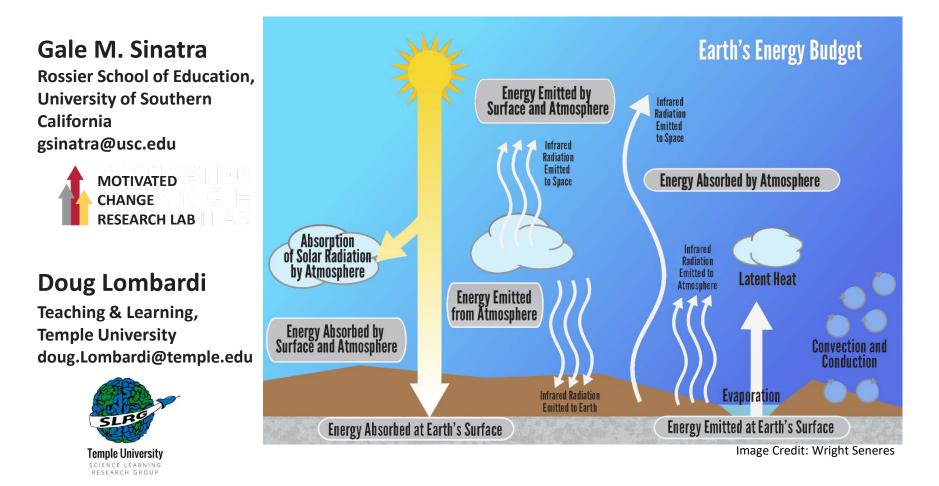
Learning & Teaching about Climate Change: An Educational Psychology Perspective

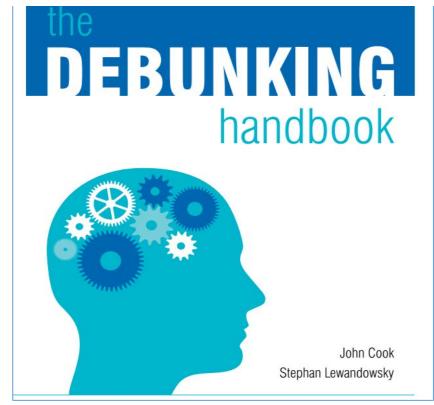


Our research is supported, in part, by the National Science Foundation (NSF) under Grant Nos. DRL-1316057 and DRL-1721041. Any opinions, findings, conclusions, or recommendations expressed are those of the authors and do not necessarily reflect the NSF's views.

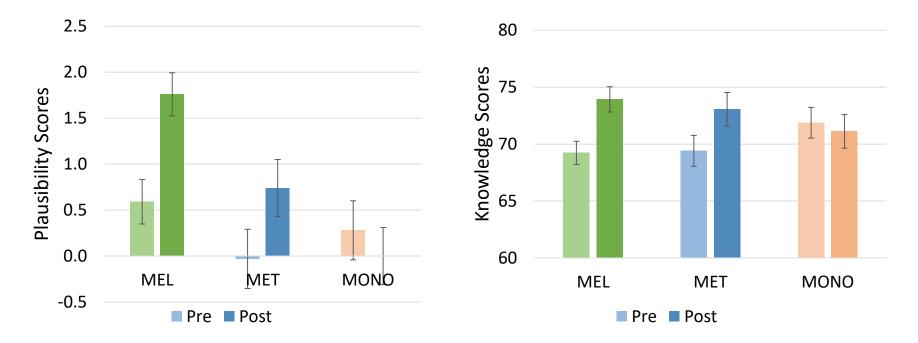
The "Information Deficit" model of misunderstanding is essentially incorrect



"Educators need to understand how people process information, how they modify their existing knowledge and how worldviews affect their ability to think rationally"



To learn about climate change, students must know (a) *what* scientists know & (b) *how* scientists know



Evaluation & plausibility reappraisal when considering the connections between lines of evidence & alternative explanations are essential for students' scientific thinking about & deep understanding of climate change (Lombardi et al., 2018a,b)

APA members contribute appreciably to research on critical thinking, problem solving, & reasoning...

...and such scientific thinking practices are essential for development by all so that we can productively address both mitigation & adaption



We must teach K-16 students to source, analyze, critique & judge the plausibility of both scientific & lay explanations (e.g., from online sources) for evaluating the truthfulness of solutions to equitably address human-induced climate change