

NotebookLM Discussion Readings: Journal Articles

Reading Schedule

Week	Math Students Read	Science Students Read	Theme
Week 1	Boaler, Ch. 3: A New Approach to Teaching Mathematics	Windschitl et al., AS Ch. 1: The Challenge of Ambitious Teaching	Teaching identity and vision
Week 2	Strayer & Edwards (2015). Smarter cookies: An inquiry-based project. <i>Mathematics Teacher</i> , 108(8), 608-614.	Wilcox et al. (2015). Teaching science through inquiry: Seven common myths. <i>The Science Teacher</i> , 82(6), 62-67.	Analyzing and redesigning inquiry tasks
Week 4	Heritage (2007). Formative assessment: What do teachers need to know? <i>Phi Delta Kappan</i> , 89(2), 140-145.	Clinchot et al. (2017). Better formative assessment. <i>The Science Teacher</i> , 84(3), 69-75.	Assessment and eliciting student thinking
Week 9	Edwards (2024). GenAI article (both disciplines)	—	Data analysis and GenAI in education
Week 11	Boaler, Ch. 9: Teaching for a Growth Mindset	Windschitl et al., AS Ch. 9: Making Thinking Visible	Technology and growth mindset
Week 12	Norval & Castaneda (2020). ELL corner: Linguistic modifications. <i>OJSM</i> , 84(1), 1-18.	Robinson (2016). Four essential strategies for differentiating science. <i>Science Scope</i> , 40(3), 60-64.	Differentiation and addressing status issues
Week 13	Reinhart (2000). Never say anything a kid can say! <i>MTMS</i> , 5(8), 478-483.	Windschitl et al. (2011). Pressing for explanation. <i>Ambitious Science Teaching</i> (Ch. 10, pp. 201-220).	Classroom discourse and questioning strategies

Why Journal Articles This Semester?

No Repeat Reading: All replaced book chapters were assigned in TCE 431 last semester.

Shorter and More Focused: Articles are 6-10 pages vs. 15-25 page book chapters.

Real Classroom Examples: Actual student work, teacher moves, and dialogue transcripts.

Discipline Balance: Math and science articles alternate each week.

Easier NotebookLM Engagement: Shorter articles work better for Audio Overviews and Study Guides.

Field-Ready Strategies: Concrete techniques you can try immediately in your placement.