

# 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.

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

**Fresh Disciplinary Perspectives:** Practitioner journals showcase current classroom innovations and teacher voices.