

A Brief Introduction to High-Press Questioning

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Background Information:

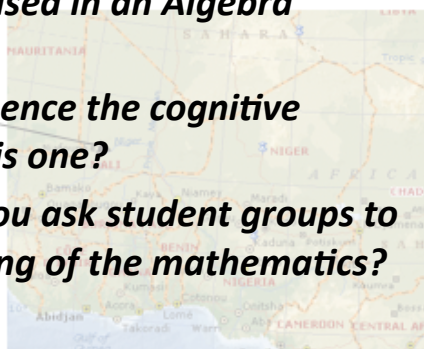
To Timbuktu By Equation

When traveling across the desert, it was easy to get lost without the help of Bedouin guides who knew their way from city to city. Even traveling the relatively short distance from the

• **Think through how 9th grade Algebra students might respond to the task questions.**

Salim people make the journey from Ghana to Timbuktu.

- **What is the mathematical purpose of this task? Why might this task be used in an Algebra classroom?**
- **What factors might influence the cognitive demand of a task like this one?**
- **What questions might you ask student groups to assess their understanding of the mathematics?**



High Leverage Teaching Practices

- “*Best practice* seeks to identify effective teaching strategies” (p.S77).
- What does *best* mean? The practices of “expert” teachers? Low-cost and reliable? Fixed?
- “This lack of precision...has recently led to the re-conceptualization of accomplished teaching as one that involves the use of high-leverage teaching practices (HLTP)” (p.S77).
- “An **HLTP** seeks to delineate a **core set of practices** that has the **greatest impact on student learning**” (p.S77).

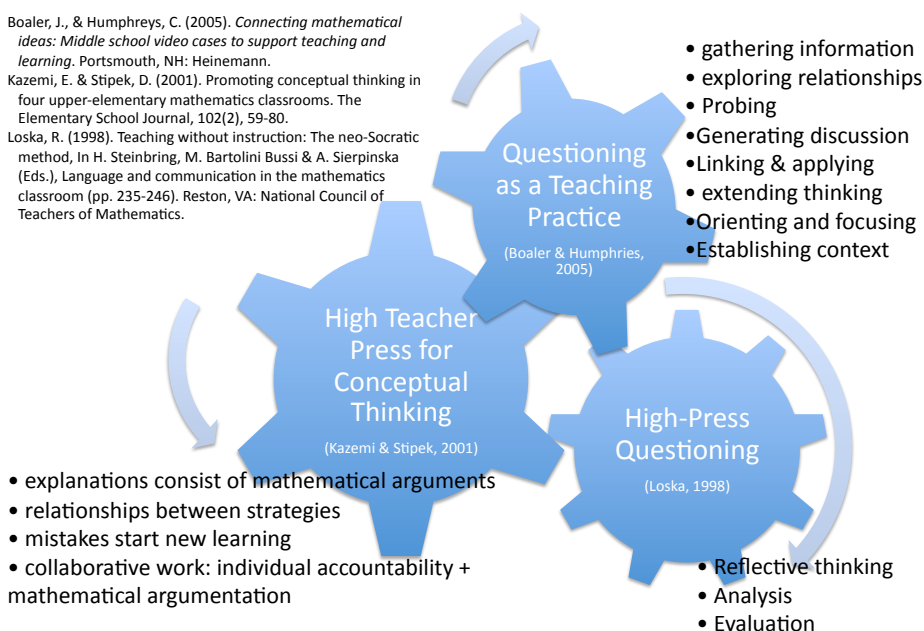
Hlas, A.C., & Hlas, C.S. (2012). A review of high-leverage teaching practices: Making connections between mathematics and foreign languages. *Foreign Language Annals*, 45(S1). S76-S97.

Example HLTP: High Press Questioning (HPQ)

Boaler, J., & Humphreys, C. (2005). *Connecting mathematical ideas: Middle school video cases to support teaching and learning*. Portsmouth, NH: Heinemann.

Kazemi, E. & Stipek, D. (2001). Promoting conceptual thinking in four upper-elementary mathematics classrooms. *The Elementary School Journal*, 102(2), 59-80.

Loska, R. (1998). Teaching without instruction: The neo-Socratic method. In H. Steinbring, M. Bartolini Bussi & A. Sierpiska (Eds.), *Language and communication in the mathematics classroom* (pp. 235-246). Reston, VA: National Council of Teachers of Mathematics.



Video Example of HPQ

- *Where do you notice evidence of high-pressure questioning in the video footage?*
- *What was accomplished by using the technique?*
- *What distinguished this practice from “ordinary” questioning and “talk moves”?*

Thank you for attending!

Please rate this presentation using the survey on the Mobile Conference App:

- 434- A Brief Introduction to High-Press Questioning
- *Friday, April 11, 2014: 11:30 AM-12:00 PM*
- *Magnolia (Hilton)*

Note: Presentation slides will be uploaded to NCTM's website ASAP. ☺

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