

Request #: 538 - TEAL - Dissertation

A Mixed Methods Study on How Engaging in Video Club Collaborative Cycles effect
Teacher Instruction and Mathematical Mindsets

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Background

The purpose of this research study is to expand and build on previous research with video clubs (e.g., Borko et al., 2008; Kazemi & Hubbard, 2008; Sherin et al., 2009, van Es, 2009). This study seeks to add to the field by extending our understanding of video club collaborative cycles' role in shifting instructional practices and building mathematical mindsets, specifically with veteran teachers. Research Questions The central questions to this study are: After teachers engage in a video club cycle, what do teachers focus on in their collaborative discussions? Written reflections? What are instructional changes and mindset shifts evident in teachers' video clips from the start of the video club to the end? What shifts were evident in teachers' mathematical mindset after engaging in video club cycle professional development?

Sample

Qual and Quan 1. Survey 2. Transcripts of discussions 3. Written Reflections 4. Video of instruction

Hypothesis

Research Questions The central questions to this study are: After teachers engage in a video club cycle, what do teachers focus on in their collaborative discussions? Written reflections? What are instructional changes and mindset shifts evident in teachers' video clips from the start of the video club to the end? What shifts were evident in teachers' mathematical mindset after engaging in video club cycle professional development?

I hypothesize that if teachers engages in collaborative lesson planning and discussion, it will increase their instruction abilities and positively affect their mathematical mindset.

Progress

2 Pilot Studies.

Request

Help with determining how to analyze a survey and rubric data.

Timeline

Analyze my data by June 15.