Problems of teaching in turbulent regions

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Problems of Teaching

- > Time pressure
- > Classroom management
- > Student diversity
- > Dynamic situation
- Multiple goals ...

Method

- "Problem" defined as interference to goal(s) of teaching
- I became math teacher of a Year 7 class for 11 lessons on geometry
- > 'Naturalistic' setting
- > Took video data
- Same-day post-lesson reflections

Preamble

- > This is a lesson study, not a "lesson study"
- > Researcher 'self' more prominent than teacher 'self'
- More to represent complexity of teaching rather than to improve practice
- > Study of actual teaching experience, not an exemplary lesson

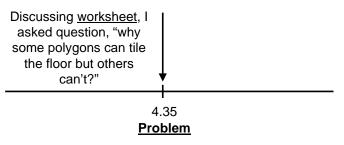
My study on Problems of Teaching

- > Not organised by "types of problems"
- > Lens to study problems intended to reflect the actual complexity of teaching
- > Take into account the *context* of problems
- Consider both teacher actions and teacher thoughts
- Examine goals underlying instructional moves

Scope of presentation

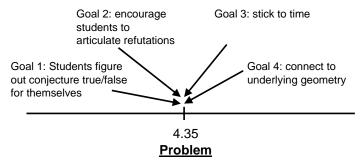
- > 1 problem juncture at Lesson 2
- Purpose is to illustrate how I analyse the problem and the devices I used

Problem juncture



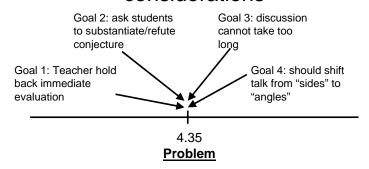
Rashid said, "too many sides"

Seen via my goals



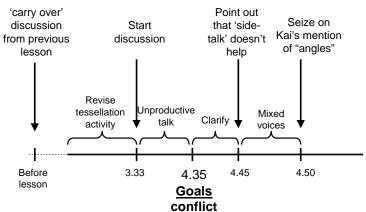
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Translated into instructional considerations

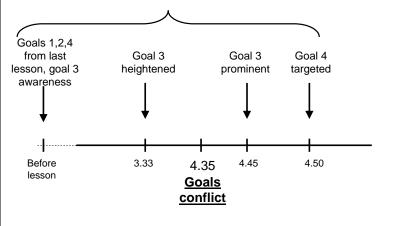


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Problem in wider context



Turbulent region of goals-flux



Observations

- > Problem involved competing goals
- > Time as a dimension of complexity
- Problem not isolated from surrounding context
- > To understand actual problems, it helps to study both teacher actions and intentions

Concluding thoughts

- Goal-based methodology uncovers goals underlying teaching behaviour
- > Turbulent region frames problem in context of instructional situation
- Helps us see problems (as well as teaching) differently