



Course and network

- 10.99 (teacher education) – “meritlærer”
 - 16 students
 - diversity of qualifications/experienced newcomers
 - failure
 - videos
- Colleagues
 - “very interesting”, “enjoying”, “I can probably use it”
 - “should have known to weeks earlier”
- Upper secondary teachers (21)
 - ½ a day workshop on polyhedras
 - “can you realley do this with Excel?”

Circumstance guardedness

- Students with lack of mathematical self-confidence
 - (re)building msc
 - counteracting math anxiety
- basic skills
 - the request for directions
- Collegial network fighting in stressful work situation
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Bohr coat of arms

Dynamic

- In the mindset of the student
 - Student = anyone setting out for learning something (child, professor, etc.)
 - Homo Ludens (Johan Huizinga 1938)
 - *"...it was not my object to define the place of play among all other manifestations of culture, but rather to ascertain how far culture itself bears the character of play."*
 - The uncredited English^[1] of the [Beacon Press](#) version modified the subtitle of the book to "A Study of the Play-Element **In** Culture", contradicting Huizinga's stated intention. The translator explains in a footnote in the Foreword, *"Logically, of course, Huizinga is correct; but as English prepositions are not governed by logic I have retained the more euphonious ablative in this sub-title."* Thus, the translator intends no change in meaning, but essentially thought "**in** culture" sounded better than "**of** culture".

Improvements and extensions

- Processing
 - Special care:
Arithmetic mean and normal distribution
- Videos
 - Extending the dynamical approach
 - Organise in treestructure?
 - Teachers production
 - Students production