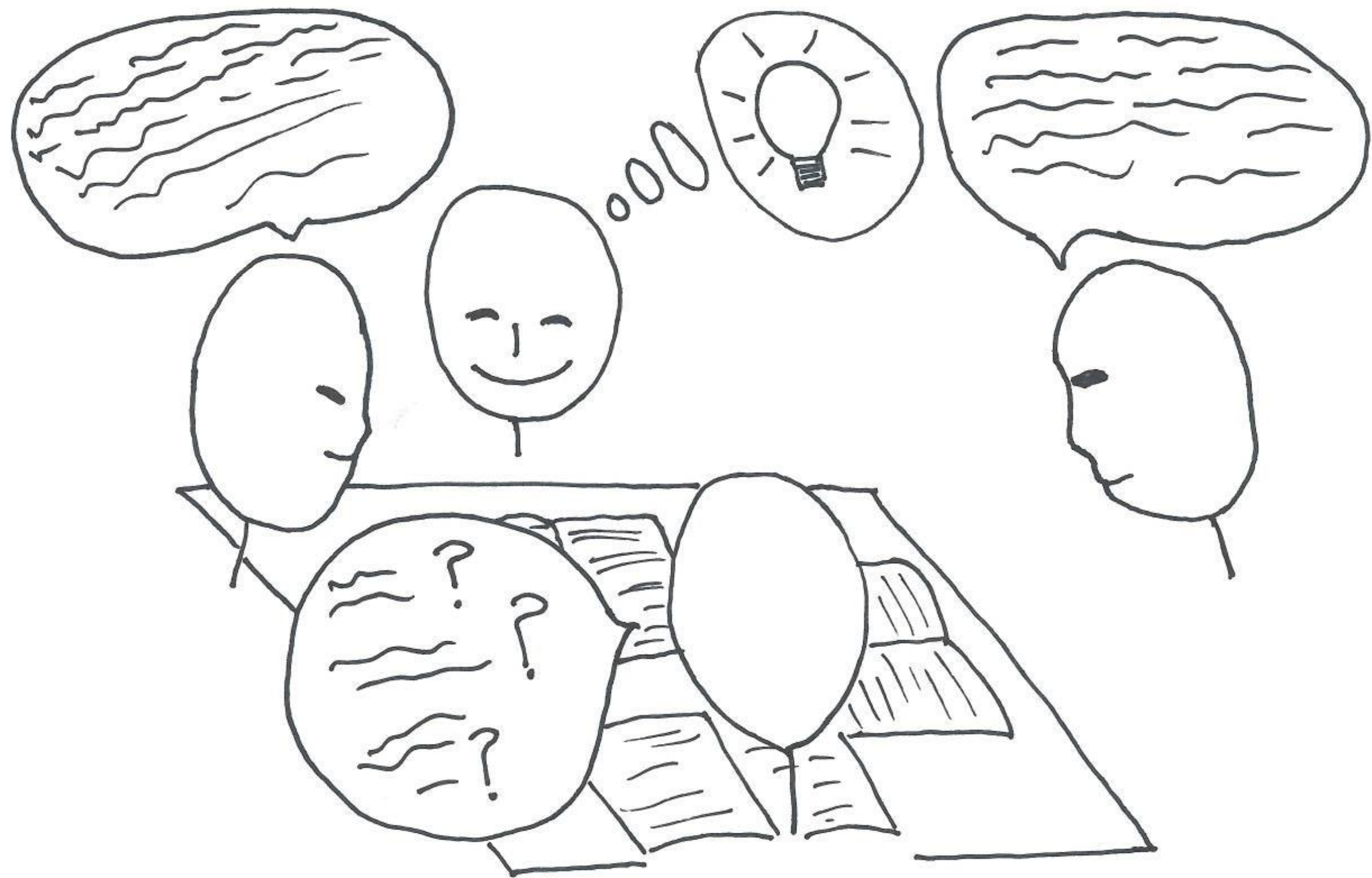


Student teachers' argumentation in primary school mathematics classrooms

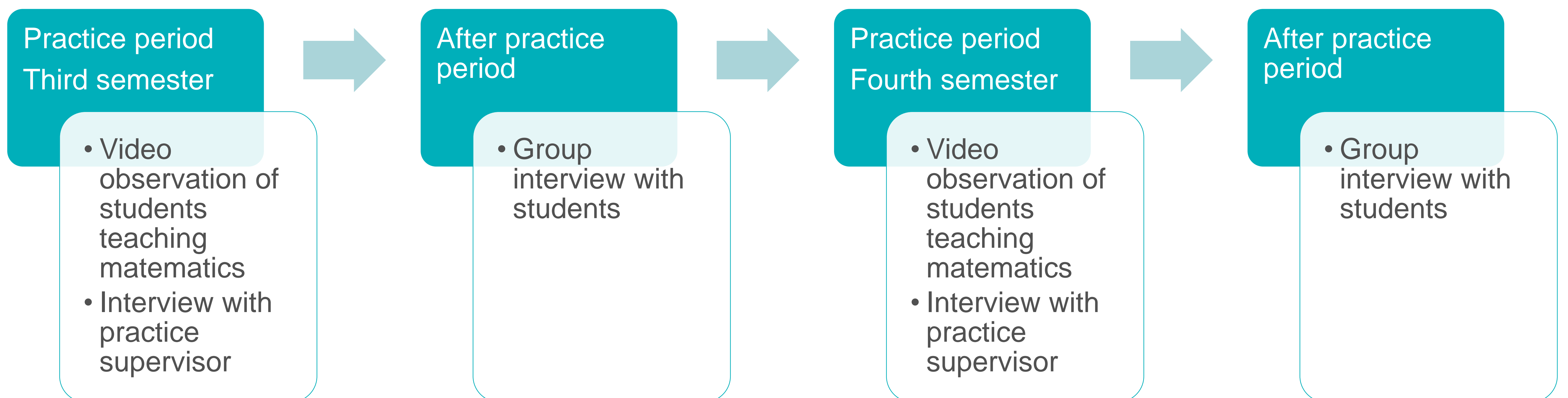
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Argumentation: a term which is generally used to describe the discourse or rhetorical means (not necessarily mathematical) used by an individual or a group to convince others that a statement is true or false. (Stylianides, Bieda, & Morselli, 2016, p. 316)

Research questions

- ❖ How do preservice primary school teachers argue in mathematics teacher education courses?
- ❖ How do preservice primary school teachers argue when teaching mathematics in primary school?
- ❖ How do preservice primary school teachers engage primary school students in argumentation when teaching mathematics?



Method

- ❖ Focus on students enrolled in the Norwegian teacher education for Grades 1 – 7
- ❖ Identify the discourse by which the student teachers construct mathematical arguments for themselves and for school students
- ❖ Identify what discursive space the student teachers provide for their school students engagement with mathematical argumentation
- ❖ Processes of argumentation will be analysed with methods that are based on Toulmin's theory of argumentation (Toulmin, 1958)

Results and implications

Understandings on student teachers' ability to teach argumentation in primary school classrooms.

