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# E-R-R teaching framework implemented in future physics teacher education

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In education, there is an increasing discussion about the need to transform teaching approaches. Traditional knowledge-oriented education, where the teacher holds a dominant role, is being replaced by methods where the student is an active participant in the learning process. In our study, we replaced traditional teaching methods with the E-R-R teaching framework. This model is designed to support the development of critical thinking. In our research we focused on observing whether using these methods in preservice teachers' teaching can change their thinking about methods that promote critical thinking, their motivation to use them, and their level of critical thinking.

#### **Education level**

Pre-service and in-service teacher education

### Physics topic

Other

#### Research focus

Innovative instructional strategies and pathways

### Research method

Educational design research (Qualitative research)

## Organizing preference criteria

Education level

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