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Decision-making by students in lab courses: stimulating students reasoning when choosing apparatus in experiments

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Making substantiated decisions is an important critical thinking skill. In this study we look at students substantiating their choice of apparatus for experiments. Students'choices were registered and they were asked about the reasoning behind their choice. About three quarters of our population reasoned only by intuition. However, having students choose from similar apparatus that differ only in technical details stimulated about a fifth of our students to come up with valid (technical) reasons for their preference. This is therefore recommended for other lab courses.

How would you like to present your contribution?

Live in Košice (time slot to be allotted based on the programme)

Target education level (primary)

University education

Target education level (secondary, optional)

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