

Inquiry learning and direct instruction, where do the two meet?

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Active or engaged learning is currently getting much attention because it engages students and also has proven to be a very effective form of science learning. Inquiry learning with online laboratories fits very well with this approach of active learning. In this presentation, I will focus on the advantages of learning with online laboratories and discuss the inquiry processes of students and how these can be actively supported by technological means in the form of focused, flexible, and adaptive digital scaffolds. I will discuss the effectiveness of inquiry-based learning in comparison with direct instruction but also discuss where the two will meet. I will further explore future developments, including providing students with automated and individualized feedback.