

# Expertise Reversal Effect

## Theory

Expertise reversal effect means that

- *“instructional techniques that are highly effective with inexperienced learners can lose their effectiveness and even have negative consequences when used with more experienced learners.”<sup>1)</sup>*

This means that many practices that are helpful to novices are inefficient for experts due to the difference in knowledge. Information that might be crucial for novices to understand something is already well known and redundant to the experts so it may produce unnecessary extraneous load.<sup>2)</sup>

## Practice

## Research status

<sup>1)</sup>  
[Kalyuga, Slava, Paul Ayres, Paul Chandler, and John Sweller. The Expertise Reversal Effect. Educational Psychologist 38: 23-31, March 2003.](#)

<sup>2)</sup>  
[Sweller, J. Human Cognitive Architecture. In Handbook of research on educational communications and technology, 369-381. Taylor & Francis, 2008.](#)

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