

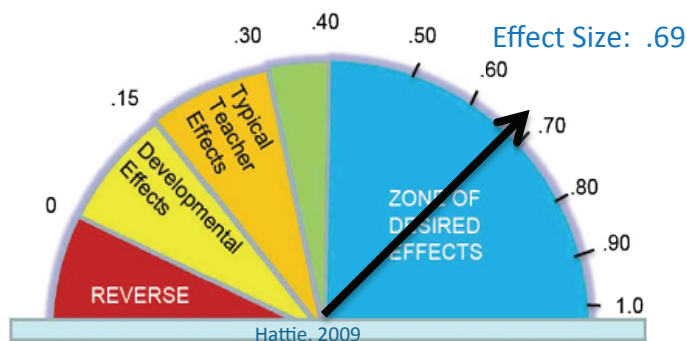
Metacognition

What is Metacognition?

- Awareness of one's own actions and their effects
- Posing internal questions to find information and meaning
- Developing mental maps, pictures, or plans
- Monitoring plans throughout a process and revising plans when they do not work
- Self-evaluating a completed plan

Costa 2008

The Research



Thinking about our thinking:



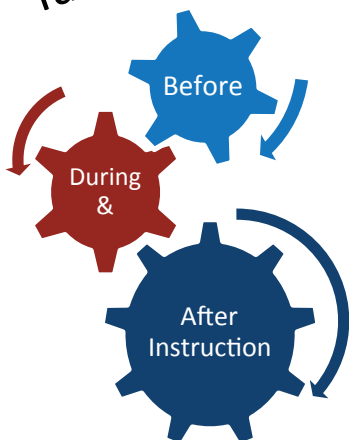
Impact of Metacognition

- Shapes active rather than passive learners
- Gives students a sense of control over learning
- Promotes “deep learning”
- Makes students aware of their own thinking

McElwee 2009

Four Types of Self-addressed Metacognitive Questions

Takes place:



Comprehension

What is the question?



Connection

How is this problem like one I already solved?



Strategic

Why is this strategy the best to solve the problem?



Reflection

Does the solution make sense?

