

## From:

Tim van Gelder, Teaching Critical Thinking: Some Lessons from Cognitive Science. 2005.

- 1. Acquiring expertise in critical thinking is hard.
- 2. Critical thinking can be learned: Practice in critical thinking skills enhances those skills.
- 3. CT should be trained separately AND in other subject matters within a curriculum. The transfer of skills must be practiced.
- 4. Some theoretical knowledge is required:
- you perceive more of what is going on
- you have a better basis for selfmonitoring and correction
- theory provides the foundation for explicit guidance and feedback from a teacher or coach.
- 5. Students are phrone to 'belief preservation'. CT is a disposition that should be trained and modelled by teachers within a whole curriculum.
- 6. Research: diagramming arguments ('Argument Mapping') promotes critical thinking skills -- > software Rationale.

Tim van Gelder,

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