

Getting Started with Metacognition

References

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Further reading

Here are some books and links to online research and examples of teaching activities relating to Metacognition.

Books

- Brown, A. L. (1987). *Metacognition, executive control, self-regulation and other more mysterious mechanisms*. In F. E. Weinert, & R. H. Kluwe (Eds.), *Metacognition, motivation and understanding* (pp. 65–116). Hillsdale, NJ: Erlbaum.
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Journal Articles

- Dignath, C., & Buttner, G. (2008). Components of fostering self-regulated learning among students. A meta-analysis on intervention studies at primary and secondary school level. *Metacognition and Learning*, 3, 231–264.
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- Wang, M. C., Haertel, G. D., & Walberg, H. J. (1990). What influences learning? A content analysis of review literature. *The Journal of Educational Research*, 84, 30–43.

Reports

- Education Endowment Foundation Technical Report: Research evidence on metacognition and self-regulation https://educationendowmentfoundation.org.uk/uploads/pdf/Meta-cognition_and_self-regulation_Technical_Appendix.pdf

- Education Endowment Foundation: Meta-cognition and self-regulation Programmes. https://educationendowmentfoundation.org.uk/uploads/pdf/Meta-cognition_and_self-regulation_programmes.pdf
- OECD Insights: Debate the issues. Focus on metacognition <http://oecdinsights.org/2014/10/28/want-to-improve-your-problem-solving-skills-try-metacognition/>.

Websites

- Examples of both cognitive and metacognitive questions that can be used in the classroom <http://journal.media-culture.org.au/0605/11-leslie.php>
- Education Endowment Foundation: Teaching and Learning Toolkit on metacognition <https://educationendowmentfoundation.org.uk/evidence/teaching-learning-toolkit/meta-cognition-and-self-regulation>
- Thinking Together Project. A dialogue-based approach to the development of children's thinking and learning. <http://thinkingtogether.educ.cam.ac.uk>
- Cambridge International Examinations education blog. An entry introducing the Biggs and Collis taxonomy for the Structure of Observed Learning Outcome (SOLO): <http://blog.cie.org.uk/learning-to-learn-a-solo-perspective/>

Videos

- For a more in-depth look at metacognition, this podcast discusses the neural basis of metacognition, and how we measure and quantify it. <https://www.youtube.com/watch?v=PzdopL2mGqo>
- A video of a teacher modeling their thought processes when answering an exam question <https://www.youtube.com/watch?v=b6vOvsj6n7E>