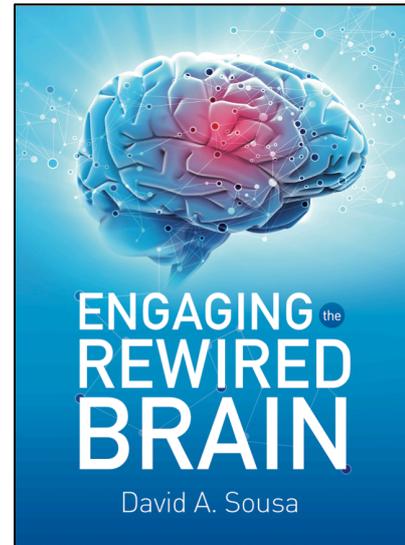


Engaging the Rewired Brain

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Summary

Research reveals that the frequent use of technology causes distinct, short-term changes in students' attention span, memory function, critical thinking processes and social behaviour. The long-term impact remains to be seen, but one thing is clear: students are engaging with new information in different ways, so educators must shift their instructional practice accordingly.

In *Engaging the Rewired Brain*, bestselling educational neuroscience author Dr David A. Sousa looks at how technology may be changing the way young people's brains function and how educators can adapt instruction to keep students motivated to learn. Technology, he argues, can support and encourage effective instructional strategies for educators of any age group as long as teachers and leadership understand

- the type of classroom that engages the rewired brain
- strategies to determine whether, when and how to use technology
- tips to help professional developers build teachers' digital literacy
- benefits of differentiated instruction, flipped classrooms and online learning.

With a glossary of scientific and technical terms and a resources section to connect educators with supplemental materials and information, this book is a must-have for anyone striving to understand technology's impact on the young brain and prepare today's learners for an increasingly advanced future.

Other Resources

- *The Power of the Social Brain: Teaching, Learning and Interdependent Thinking* (TCP0669)
- *Brain Matters: Translating Research into Classroom Practice (2nd Edition)* (109073)
- *The Learning Edge: What Technology Can Do to Educate All Children* (TCP3269)
- *The Adolescent Brain* (CO5916)
- *How the Brain Influences Behaviour* (CO0175)