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Contemporary Technologies in Education

Maximizing Student Engagement, Motivation, and Learning

- Identifies common areas of research and build on them to advance the use of technologies for facilitating student engagement, motivation and learning
- Explores challenges in moving from discussing pedagogical content knowledge (PCK) to technological pedagogical content knowledge (TPACK) to improve the pedagogy and facilitate learning
- Provides an overview of the current state of learning analytics as an emerging technology in education, discussing the central theoretical, methodological and practical issues in the field

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This edited volume provides a critical discussion of theoretical, methodological, and practical developments of contemporary forms of educational technologies. Specifically, the book discusses the use of contemporary technologies such as the Flipped Classroom (FC), Massive Open Online Course (MOOC), Social Media, Serious Educational Games (SEG), Wikis, innovative learning software tools, and learning analytic approach for making sense of big data. While some of these contemporary educational technologies have been touted as panaceas, researchers and developers have been faced with enormous challenges in enhancing the use of these technologies to arouse student attention and improve persistent motivation, engagement, and learning. Hence, the book examines how contemporary technologies can engender student motivation and result in improved engagement and learning. Each chapter also discusses the road ahead and where appropriate, uses the current trend to predict future affordances of technologies.

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