How the Science of Learning Informs Teaching and Student Learning

Dr Carolina Kuepper-Tetzel

Abstract:

In this talk, Carolina will present an overview of three research-informed teaching strategies that rigorous research in Cognitive Psychology has identified to be successful for long-lasting knowledge maintenance. Cognitive Psychology is a research area that investigates how humans remember information, why some strategies are better than others to achieve this, and how we can boost deeper understanding of the material. In essence, Cognitive Science is a piece of the puzzle to improving student learning. Carolina will highlight the most important research findings alongside hands-on practical tips. The audience is encouraged to think of ways to apply these strategies right away to their teaching routine without much effort.

Bio:

Dr Carolina Kuepper-Tetzel is an expert in applying findings from Cognitive Science to education and an enthusiastic science communicator. She obtained her Ph.D. in Cognitive Psychology from the University of Mannheim and pursued postdoc positions at York University in Toronto and the Center for Integrative Research in Cognition, Learning, and Education (CIRCLE) at Washington University in St. Louis. She is currently a Lecturer in Psychology at the University of Dundee, but will start as a Lecturer in Psychology at the University of Glasgow in January 2020.

Her expertise focuses on learning and memory phenomena that allow implementation to educational settings to offer teachers and students a wide range of strategies that promote long-term retention. Carolina is convinced that psychological research should serve the public and, to that end, engages heavily in scholarly outreach and science communication. She is a member of the Learning Scientists and founded the Teaching Innovation & Learning Enhancement (TILE) network. TILE brings different disciplines and sectors together to discuss how to overcome prevailing issues in education with research-based approaches. Carolina is frequently invited to give CPD workshops and keynotes on learning and teaching worldwide. She was recently in Jakarta, Indonesia, to provide a 1-week CPD at the Jakarta Intercultural School and will be visiting the British International School Riyadh in Saudi Arabia in August 2020. Recently, Carolina was awarded Senior Fellow of HEA. She is passionate about teaching and aims at providing her students with the best learning experience possible.

In her free time, Carolina enjoys going on family trips to explore the beauty of Scotland, listening to her vinyl records, reading books, or watching movies and series. You can follow her work via Twitter @pimpmymemory.