

# Implementing a 21st Century Competency-Based Curriculum Through Lesson Study

*Teacher Learning About Cross-Curricular and Online  
Pedagogy*



WALS-Routledge Lesson Study Series

## IMPLEMENTING A 21ST CENTURY COMPETENCY- BASED CURRICULUM THROUGH LESSON STUDY

TEACHER LEARNING ABOUT CROSS-CURRICULAR  
AND ONLINE PEDAGOGY

Edited by  
Eric C. K. Cheng and Bruce Lander



EDITED BY  
**ERIC C.K. CHENG, BRUCE  
LANDER**

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## ABOUT THE BOOK

Drawing from a comprehensive collection of university-funded teaching development projects, this edited volume explores the theories and practices behind developing pedagogies through Lesson Study for a 21st-century curriculum. It encompasses various aspects such as lesson observation, assessment literacy, online teaching pedagogy, values education, STEM education, language education, and mathematics education. The chapters investigate the application of Lesson Study in diverse contexts, highlighting its use in ICT-based teaching and learning environments, the development and refinement of e-pedagogies, as well as the integration of AI in education. Through these cases, the content demonstrates how Lesson Study empowers teachers to craft pedagogies that enhance student learning, while emphasizing its pivotal role as an innovative approach to address the evolving landscape of education in this digital era.

Implementing a 21st Century Competency-Based Curriculum Through Lesson Study is the first to address the academic discussion of using Lesson Study to develop pedagogies for effective curriculum implementation to tackle the impact of Industry 4.0 on school education. It offers valuable insights, reflections, and practical guidance to policy makers, school leaders, teacher educators, and teachers who are dedicated to enhancing student learning and nurturing the essential skills required for success in the 21st century.