Handbook of Technological Pedagogical Content Knowledge
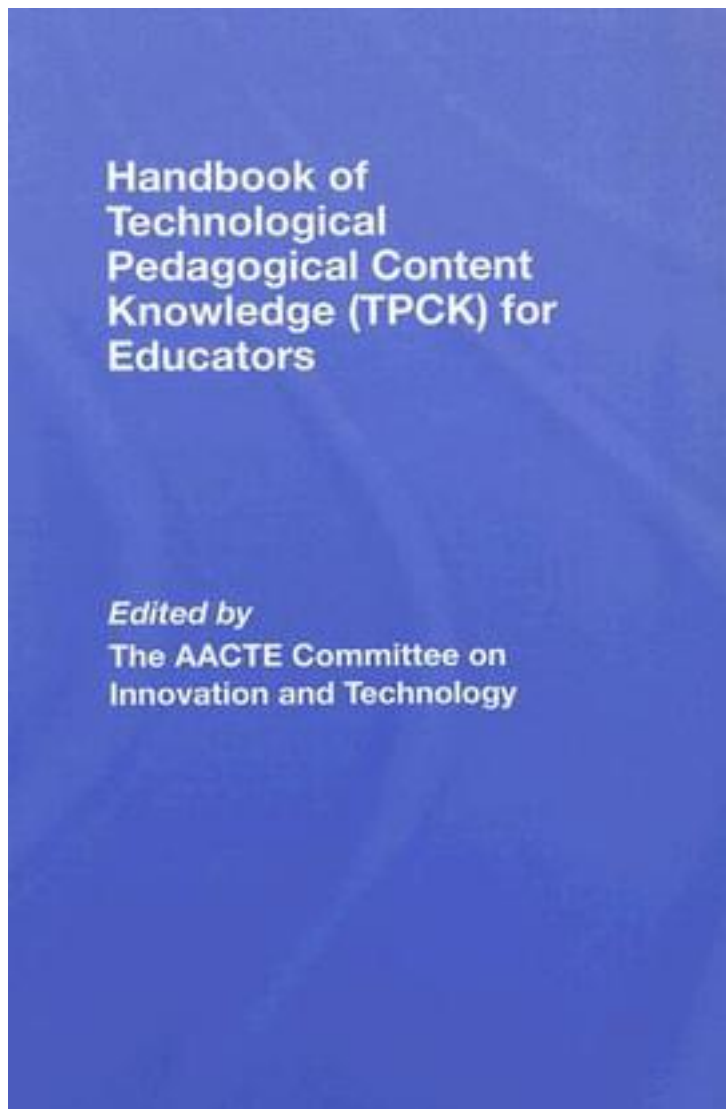
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This is a co-publication of Routledge/Taylor and Francis Group and the American Association of Colleges for Teacher Education. This handbook addresses the concept and implementation of technological pedagogical content knowledge - the knowledge and skills that teachers need in order to meaningfully integrate technology into instruction in specific content areas. Recognizing, for example, that effective uses of technology in mathematics are quite different from effective uses of technology in social studies, teachers need specific preparation in using technology in each content area they will be teaching.Offering a series of chapters by scholars in different content areas who apply the technological pedagogical content knowledge framework to their individual content areas, the volume is structured around three themes: what is technological pedagogical content knowledge? Integrating technological pedagogical content knowledge into specific subject areas; and integrating technological pedagogical content knowledge into teacher education and professional development.The "Handbook of Technological Pedagogical Content Knowledge for Educators" is simultaneously a mandate and a manifesto on the engagement of technology in classrooms based on consensus standards and rubrics for effectiveness. As the title of the concluding chapter declares, "It's about time!" The American Association of Colleges for Teacher Education (AACTE) is a national, voluntary association of higher education institutions and related organizations. Our mission is to promote the learning of all PK-12 students through high-quality, evidence-based preparation and continuing education for all school personnel.

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