Tablets in K-12 Education: Integrated Experiences and Implications

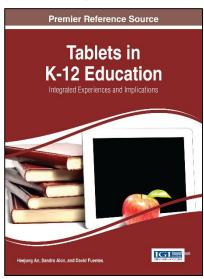
Part of the Advances in Educational Technologies and Instructional Design Book Series

Heejung An (William Paterson University, USA), Sandra Alon (William Paterson University, USA) and David Fuentes (William Paterson University, USA)

Description:

The inclusion of new and emerging technologies in the education sector has been a topic of interest to researchers, educators, and software developers alike in recent years. Utilizing the proper tools in a classroom setting is a critical factor in student success.

Tablets in K-12 Education: Integrated Experiences and Implications explores the use of hand-held mobile devices in primary and secondary classrooms to assist in learning, sharing, and communication among students and teachers. This publication has cutting-edge research on pedagogy, practice, and new initiatives for mobile learning devices and applications.



Readers:

This advanced reference source provides educators, technology coordinators, administrators, and other faculty with the resources needed to effectively implement mobile applications in their classrooms.

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Topics Covered:

- Assessment Tools
- Best Teaching Practices
- Classroom Management
- Instructional Design
- Mobile applications
- Mobile Learning Applications
- Student Learning Support
- Student Motivation and Engagement

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Section 1

Theoretical and Conceptual Orientations

From App Attack to Goal-Oriented Tablet Use

Dominic Mentor, Teachers College, Columbia University, USA

Chapter 2

iPad Implementation Approaches in K-12 School Environments Heejung An, William Paterson University, USA Sandra Alon, William Paterson University, USA David Fuentes, William Paterson University, USA

Chapter 3

Using Mobile Devices Selectively: Developing Constructivist Pedagogy to Support Mobile Learning David Fuentes, William Paterson University, USA Heejung An, William Paterson University, USA Sandra Alon, William Paterson University, USA

Emerging Use of Tablets in K-12 Environments: Issues and Implications in K-12 Schools Alex Kumi-Yeboah, University at Albany (SUNY), USA Kelli Sue Campbell, City Park Elementary School, USA

Chapter 5

Mobile Devices and Classroom Management: Considerations and Applications for Effective Use in an Elementary School Classroom

David Fuentes, William Paterson University, USA Heejung An, William Paterson University, USA Sandra Alon, William Paterson University, USA

Chapter 6

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Theoretically Grounded and Innovative Teaching Approaches

Using Tablets to Teach for Understanding in the Sixth Grade Social Studies Classroom Nancye Blair Black, Teachers College, Columbia University, USA

Use of Tablet Computers and Mobile Apps to Support 21st Century Learning Skills Michael Reichert, University of Delaware, USA Chrystalla Mouza, University of Delaware, USA

The iPad: A Mathematics Classroom Tool for Implementing the Common Core State Standards Technology Vision Sandra Alon, William Paterson University, USA Heejung An, William Paterson University, USA

David Fuentes, William Paterson University, USA

Section 3

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The Effects of Interactive Multimedia iPad E-Books on Preschoolers' Literacy

Marisol Estevez-Menendez, William Paterson University, USA & West New York School

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Heejung An, William Paterson University, USA Janis Strasser, William Paterson University, USA

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Using iPads to Support K-12 Struggling Readers: A Case Study of iPad Implementation in a University

Carrie E. Hong, William Paterson University, USA Salika A. Lawrence, William Paterson University, USA Geraldine Mongillo, William Paterson University, USA Marie Donnantuono, William Paterson University, USA

Heejung An, Ed.D., is an Associate Professor of Learning Technologies and the Director of the M. Ed in Curriculum and Learning program at the College of Education, William Paterson University. Her main areas of research explore how technology impacts cognition and how K-12 teachers can use technology effectively for teaching and learning. Dr. An received her Ed.D. in Instructional Technology and Media from Teachers College, Columbia University.

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David Fuentes, Ph. D., is an Assistant Professor in the Department of Elementary & Early Childhood Education, at William Paterson University of New Jersey. He teaches courses aimed at preparing inquiring teacher candidates for teaching in diverse settings, as well as courses that examine the historical and philosophical foundations of education in the United States. His current research focuses on the impact of mobile learning in K-6, Urban settings. Dr. Fuentes earned his Ph.D. in Curriculum and Instruction from Pennsylvania State University.