

HANDBOOK OF
SPECIAL EDUCATION
TECHNOLOGY
RESEARCH AND
PRACTICE



~ EDITED BY ~

Dave Edyburn
Kyle Higgins
Randall Boone

An authoritative single-volume reference documenting the latest research and practice developments in special education technology. Essential reading for special education teachers, administrators, teacher educators, graduate students, technology specialists, researchers, and policy makers. Hardcover. 904 pages. ISBN: 0-9708429-6-1

Handbook of Special Education Technology Research and Practice

Table of Contents

Foreword – *John Langone*

Preface – *Dave Edyburn, Kyle Higgins and Randall Boone*

Contributors

Section 1 Historical, Policy, and Legal Foundations

1. Historical Perspectives about Technology Applications for People with Disabilities – *A. Edward Blackhurst*
2. Comprehensive Statewide Programs of Technology-Related Assistance – *M. Nell Bailey, Nancy Meidenbauer, Judith Fein and Beth Mineo Mollica*
3. A Federal Program to Support Innovation and Implementation of Technology in Special Education – *David B. Malouf and Jane Hauser*
4. Assistive Technology and the IEP – *Penny Reed and Gayl Bowser*

Section 2 Access for Diverse Populations

5. Cultural Research in Special Education Technology – *Howard P. Parette, Mary Blake Huer and Alan VanBieroliet*
6. Access Granted: Achieving Technological Equity in the 21st Century – *Monica R. Brown*
7. English Language Learners and Technology – *Carla Meskill and Shannon Hilliker*
8. Proactive Accommodation: Web Accessibility in the Classroom – *Jim Allan and John Slatin*
9. Information Training and Technical Assistance: A Case Study of the Culturally and Linguistically Appropriate Services (CLAS) Institute Web Site – *Rosa Milagros Santos, Robert M. Corso and Dianne Rothenberg*

Section 3 Assistive Technology

10. Quality Indicators for Assistive Technology Services in Schools – *Joy Smiley Zabala and Diana Foster Carl*
11. Teaming and Assistive Technology in Educational Settings – *Cathy Bodine and Maureen Melonis*
12. Students with Learning Disabilities Using Assistive Technology in the Inclusive Classroom – *Tamarah M. Ashton*
13. Assistive Technology and Students with Mild Disabilities: From Consideration to Outcome Measurement – *Dave L. Edyburn*

Section 4 Disability Specific Technology Applications

14. Growing and Learning Through Technology: Birth To Five – *Susan G. Mistrett, Shelly J. Lane and Amy G. Ruffino*
15. Technology Use and Students with Intellectual Disability: Universal Design for All Students – *Michael L. Wehmeyer, Sean J. Smith and Daniel K. Davies*
16. Classroom Technology for Students with Learning Disabilities – *Rena B. Lewis*
17. Using Technologies to Meet the Unique Needs of Students with Emotional/Behavior Disorders: Findings and Future Directions – *Gail Fitzgerald*
18. Physical Access in Today's Schools: Empowerment Through Assistive Technology – *Cindy George, Jennie I. Schaff and Tara L. Jeffs*
19. Accessible Information Technology and Persons with Visual Impairments – *Richard Banks and Norman Coombs*

20. Assistive Technology in Education for Students Who are Hard of Hearing or Deaf – *Marcia J. Scherer*
21. Technology and Autism: Current Practices and Future Directions – *Matt Tincani and E. Amanda Boutot*
22. Augmentative and Alternative Communication: Infusing Communication in an Academic Setting – *Laura J. Ball, Denise V. Bilyeu, Carrie Prentice and David R. Beukelman*

Section 5 Instructional Design

23. Teamwork Needs Technology – *Len Haines and Gladene Robertson*
24. Designing Digital Materials for Students with Disabilities – *Randall Boone and Kyle Higgins*
25. Introducing Electronic Performance Support Systems – *Jennie I. Schaff, Brenda Bannan-Ritland, Michael M. Behrmann and Seunghun Ok*
26. Assistive Technology and Universal Design for Learning: Two Sides of the Same Coin – *David H. Rose, Ted S. Hasselbring, Skip Stahl and Joy Zabala*

Section 6 Technology and Instruction

27. Integrating Technology in Standards-Based Instruction – *Kevin M. Anderson and Cindy L. Anderson*
28. Using Technology to Support Struggling Readers: A Review of the Literature – *Nicole Strangman and Bridget Dalton*
29. Writing Tools: Technology and Strategies for Struggling Writers – *Merrill C. Sitko, Colin J. Laine and Carolyn Sitko*
30. Mathematics and Technology-Based Interventions – *Paula Maccini and Joseph Calvin Gagnon*
31. Interactive Technologies and Social Studies Instruction for Students with Mild Disabilities – *Cindy Okolo*
32. Science in Special Education: Emerging Technologies – *Jennie I. Schaff, Marci Kinas Jerome, Michael M. Behrmann and Debra Sprague*
33. Using Technology to Facilitate and Enhance Curriculum-based Measurement – *Lynn S. Fuchs, Douglas Fuchs and Carol L. Hamlett*
34. Web-based Resources and Instructional Considerations for Students With Mild Cognitive Disabilities – *J. Emmett Gardner and Cheryl A. Wissick*

Section 7 Professional Development

35. Improving Practice Using Assistive Technology Knowledge and Skills – *Elizabeth A. Lahm*
36. Using Technology to Enhance Collaboration to Benefit All Students – *Pam Campbell and Bob Algozzine*
37. Technology and Inservice Professional Development: Integrating an Effective Medium to Bridge Research to Practice – *Sean J. Smith and David Allsopp*
38. Technology-Mediated Distance Education: Current Practice and Future Trends – *Barbara L. Ludlow*

Section 8 Trends and Issues

39. Using Learning Assessments to Design Effective Programs – *Gerald Tindal and Lindy Crawford*
40. Data-Mining Strategies for Researching the Effectiveness of Assistive and Instructional Technologies – *John Castellani and Brian Castellani*
41. Robotic Devices as Assistive and Educational Tools for Persons with Disabilities – *Richard D. Howell*

Index



Knowledge by Design, Inc.
 Knowledge by Design, Inc.
 Knowledge by Design, Inc.
 Knowledge by Design, Inc.
 Knowledge by Design, Inc.

PRODUCT ORDER FORM

1. Shipping Information (Please print clearly)

Name _____
 School/Agency _____
 Street Address _____
 City _____ State _____ Zip Code _____
 Daytime Phone (_____) _____

2. Items Ordered (All prices listed in U.S. funds)

	Title	Price	Quantity	Total
KBD405	Handbook of Special Education Technology Research and Practice ISBN: 0-9708429-6-1	\$119.00	_____	\$ _____
	Shipping and Handling (per copy)	\$ 12.00	_____	\$ _____
	Sales tax (WI residents only) (per copy)	\$ 4.98	_____	\$ _____
	Total			\$ _____

3. Payment (Payment must accompany order. We are unable to accept purchase orders.)

Check: Make checks payable to Knowledge by Design, Inc.
 Credit Card: Mastercard or VISA (circle one)
 Account Number _____ Exp. Date _____
 Name as it appears on credit card _____
 Signature _____

Questions? Please give us a call at 414/962-0120.

100% Satisfaction Guarantee

Your satisfaction is 100% guaranteed. Within 30 days of receiving your order, if you are not satisfied with any product, return it in its original condition to obtain a full refund.

Prices subject to change without notice.