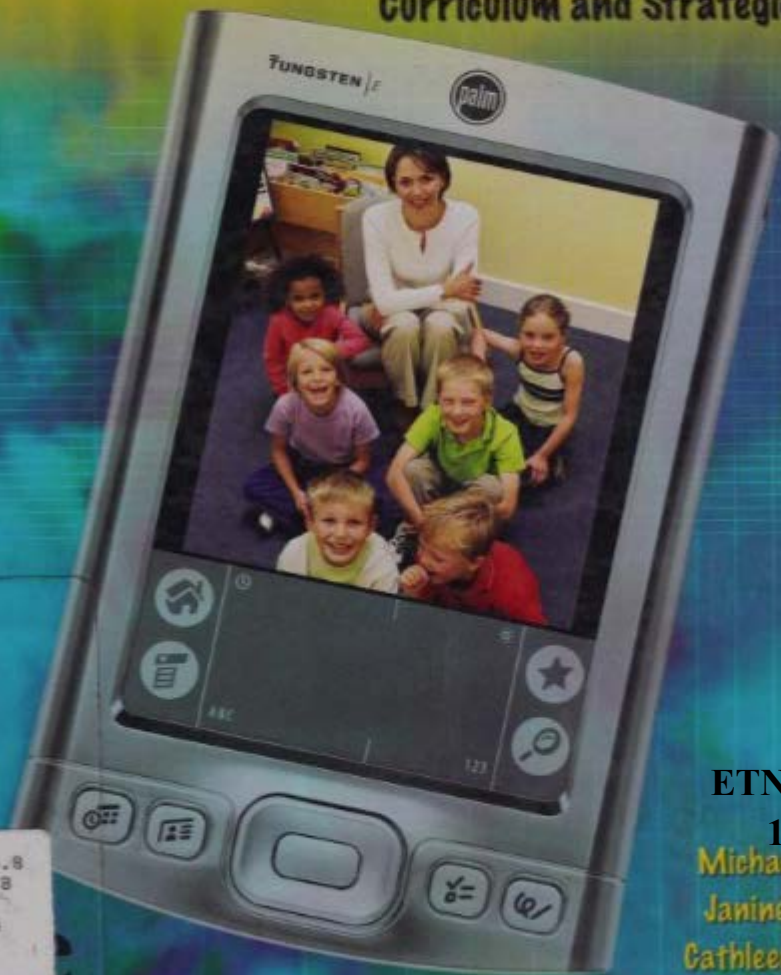


EXHIBIT 1031

Palm OS® Handhelds

in the
Elementary Classroom

Curriculum and Strategies



ETN1031

1/5

Michael Curtis

Janine Kopera

Cathleen Norris

Elliot Soloway

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TABLE 5. Palm OS Software for Students

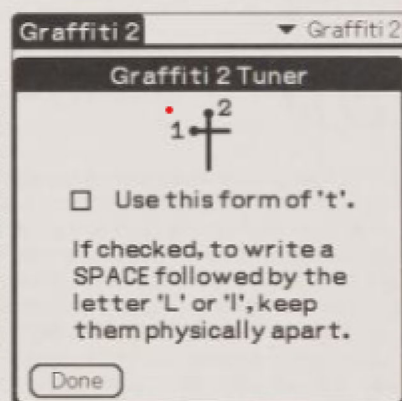
Software	Developer	Approx. Cost	Description
READING			
Acrobat Reader	Adobe	Free	Read PDFs.
iSilo	DC & Co.	\$17.50	Offline Web reader and general document reader.
Palm eBook Studio	Palm Digital Media	\$30	Create your own e-books. Format the text, add images, designate chapters, and add links.
PalmReader	Palm Digital Media	Free	View electronic books. Shows text one page at a time, as books do. Place bookmarks.
RichReader	Michael Arena	\$15	Displays Word, HTML, and PDF documents. Color capability. Rotate text. Font options are pleasing.
TealPoc	nomnom Software	\$17	Basic reader with advanced search, screen rotation, and document beaming.
TomeRaider	Proporta	\$20	Read encyclopedias, dictionaries, e-texts, and more with this cross-platform reader.
WORD PROCESSING			
FreeWrite Pro	GoKnow	Part of \$19.95 bundle	Complete word processing program, including IR printing, spelling checker, and auto-capitalization.
Memo Pad	palmOne	Free	Out-of-the-box basic word processor.
Quickword	Cutting Edge Software	\$20	Microsoft Word integration. Four font sizes. Find/replace text. Beam documents. IR print using PrintBoy or PalmPrint. Nice interface.
Word to Go	DataViz	Part of \$70 bundle	Word, Word Perfect, RTF files. Bullet, numbering, and font options are nice.
Wordsmith	Blue Nomad	\$30	Microsoft Word integration. Processor, book viewer, and memo pad. Spelling checker and thesaurus included. Great font options. Read directly from SD/MM cards or Memory Stick.
SPREADSHEETS			
Addition4Palm	ADDITION	\$20	Clean interface. Over 60 standard functions.
Cells	GoKnow	Free (included on CD)	Simple spreadsheet maker with graphing capabilities and several functions.
Internet Coach: GraphMaker	APTE	\$10	Directed at K-6. Learn vertical, horizontal, and line graphs, as well as pie charts. Easy to grasp.

Thus was born Graffiti, a writing method that achieves admirable accuracy by recognizing printed letters one letter at a time. The writing area at the bottom of the screen is divided in half. The left side is used to write letters, and the right side to write numbers. The vast majority of letters and numbers are written just as you'd print them on paper, with just a few minor adjustments here and there.



Experienced PDA users take note: Graffiti 2 differs from the original Graffiti in a few minor but significant ways. If you've used Graffiti 1, take note of the differences, or you may find the letter *t* so frustrating to write that you'll just start trying to find words that don't use it. Considering I used it 23 times in the previous sentence, that's not easy. (Figure 2-14 shows the Graffiti 2 way to write the letter *t*.)

Figure 2-14: Most Graffiti 2 characters can be written with a single stroke of the stylus, but a few, such as *t*, require two strokes.



Graffiti 2 is actually very similar to the original. The main difference is that the use of two separate stylus strokes is required to make a few of the characters, such as *t* and *k*. This actually makes writing the characters more like writing on paper. However, it takes some getting used to if you're experienced in the original Graffiti.



What if you just can't get used to Graffiti 2? Install TealScript from [TealPoint Software](http://www.tealpoint.com), and you can not only fine-tune your CLIE to recognize your own writing style, but also use classic original Graffiti strokes! (Check out the [TealPoint Software](http://www.tealpoint.com) Web site at www.tealpoint.com.)

Graffiti 2 has one new feature that makes the writing process much simpler: easy capital letters. If you want to write a lower-case letter, write it in the text area on the left. If you want to write a capital letter, center the letter on the line dividing the text and numeric writing areas. Note that you actually draw the letter the same way (see Figure 2-15) whether you're creating an upper- or lower-case letter. Where you draw it is the key.

Steven Kienle

StylusTap: www.stylustap.com

Tapperware: www.tapperware.com

Targus: www.targus.com

TealPoint Software: www.tealpoint.com

Terry Thatcher

Thinking Bytes

Thompson Solutions Limited: www.thompsonsolutions.btinternet.co.uk

Tilden Computing

TriBeam: www.tribeam.com

Tristan Spearing

TT-Softwareagency: www.trueterm.org

Veo: www.veo.com

Vernier: www.vernier.com

Villanova Software: www.villanovanet.com/palmos/

Wagware: www.wagware.com

Webgrafix-Wildwebwerkz: www.freewarepalm.com/authors/webgrafix-wildwebwerkz.shtml

WebMaster Internet Services: www.webmasteris.com

WestWare: www.westware.com

Whitecrest Entertainment

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Zindell Technologies: www.zindell.com

Zoos Software: www.zoosware.com



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This book supports
standards within the
categories of the National
Educational Technology
Standards for Students
(NETS•S) and Teachers
(NETS•T).

NE

NET

9781564842084

See appendix for details about
the National Educational
Technology Standards Project.

ISBN 1-56484-208-8

Palm OS® Handhelds in the Elementary Classroom Curriculum and Strategies

Handheld computers have quickly become established as cost-effective and powerful tools for learning in classrooms across the country. Teachers interested in this new technology need to learn how to integrate them effectively into their day-to-day curriculum, and this book shows you how. Offering a complete introduction to using and managing handhelds in the elementary classroom, as well as abundant illustrations of exemplary educational software available for the Palm OS platform, this book provides real answers and resources, not just lists of things to consider. More than 30 fully articulated lesson plans (sorted into thematic, cross-curricular units) demonstrate fun, hands-on activities that young students can easily accomplish using the software bundled on the accompanying CD-ROM. Written for early adopters and technophobes alike, this book will get you on the fast track to handheld success.

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- Offers practical advice on leveraging the unique capabilities of handheld computers to support standards-based curricula
- Supplies a comprehensive set of guidelines and strategies for establishing a handheld program in an elementary school setting
- Includes templates for lesson planning, take-home activities, student/parent contracts, and more
- Provides extensive information on the best educational software applications available for handheld computers and where to find them
- Comes with a host of educational software on CD-ROM perfect for younger students and multidisciplinary applications

FEATURES:

Classroom management strategies
Gallery of representative student work using handheld programs
Lesson plans keyed to NETS and content area standards

TECHNOLOGY:

Provides detailed instructions for using handheld computers for classroom management and instruction. A classroom computer is needed to fully utilize materials. Software on the CD-ROM can be used on most handhelds using Palm OS 3.5 or later

AUDIENCE:

Grade K-5 teachers
Curriculum developers
Technology coordinators
Preservice teachers

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