

# Low Stress Designs and Approaches for Student Laptop Programs

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## Top Stress Factors in Private Schools

- Program costs
- Parent expectations
- Faculty adoption curves (for productivity and curriculum)
- Support and maintenance costs and time
- Worm and virus attacks.
- Reliability/Availability Frustrations (Batteries, outlets...)
- Student misuse and breakage issues.
- Overloaded network services
- Equipment storage and theft.
- Health and weight fears and concerns.

## Top Stress Factors in Public Schools

To the above, add the following:

- Increased standardized text score expectations.
- Fluctuating budget allocations.
- “Bargaining chip” debates about validity of program vis-à-vis other opportunities.
- Sensationalized news reports about successes or failures of the program.

## The Low Stress Laptop Program

- Step 1: Faculty First
- Step 2: Killer Apps
- Step 3: Faculty Involvement
- Step 4: Cost-Critical Awareness
- Step 5: Classroom Management
- Step 6: Manage Obsolescence
- Step 7: Minimize Maintenance
- Step 8: Parent Involvement
- Step 9: Implement Slowly
- Step 10: Share Progress
- Step 11: See the Big Picture
- Step 12: Assess, Assess, Assess



Nokia 770

## Web Links References

- K12Converge: [www.k12converge.com](http://www.k12converge.com)
- Oregon Episcopal School: [www.oes.edu](http://www.oes.edu)
- OES Middle School Laptop Program Survey Results: <http://www.k12converge.com/?p=52>

- FAQ of OES Middle School Laptop Program: [www.oes.edu/technology/faqs.htm](http://www.oes.edu/technology/faqs.htm)
- Chris Moersch and LOTI: [www.loticonnection.com](http://www.loticonnection.com)
- Microsoft SharePoint Web Sites:  
<http://www.microsoft.com/windowsserver2003/technologies/sharepoint/default.aspx>
- Curry School of Education Research: <http://www.okea.org/ESEA/resource/NEA%20Today/Cover-0304/NEATodayOnline--April2003.htm>
- Pew Internet Studies: <http://www.pewinternet.org/>
- Benton Foundation Studies: <http://www.benton.org/publibrary/index.html#educationedtech>
- 21st Century Technology Department Survey Results:  
[http://www.zoomerang.com/reports/public\\_report.zgi?ID=L22BU2WX2UTA](http://www.zoomerang.com/reports/public_report.zgi?ID=L22BU2WX2UTA)
- Skeptical PC Magazine review of Nokia 770: <http://www.pcmag.com/article2/0,,1820232,00.asp>
- Review of the Cybiko Extreme: [http://www.streettech.com/archives\\_gadget/cybikoXtreme.html](http://www.streettech.com/archives_gadget/cybikoXtreme.html)
- Information about advanced DoCoMo technology: <http://www.nttdocomo.com/>

## Essential Objective of MS Laptop Program

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**Core Assumptions:** For students, laptop computers are cognitive tools. They provide computer-mediated workspaces for the rapid, flexible processing of symbolic representations and abstract concepts. In addition to aiding the process of learning (research, discovery, communication, composition, revision), laptops also support the creation of products (reports, graphs, maps, images, video, web pages).

