



# Illinois Technology Plan Online

Lyons Township High School District 204 -- 2006-2009 - FY 2006-2009

## Section 5: Data Analysis, Collection & Sources

### Data Analysis Processes

As part of their normal activities, the various groups of stakeholders (Board Tech and Curriculum Committees, District Administrative Team, Curriculum and Staff Development Team, District Technology Staff Development Team, Special Education and Instructional Technology Team, Student / School Management System Team, Technology Services Team, District Technology Team, and Lyons Township Community Advisory Council) discussed and analyzed data appropriate to their organizational purposes from multiple and varied sources. As each team progressed through their discussions and analysis, gaps were identified and potential solutions were explored. The groups made recommendations regarding goals and action plans.

The gaps, potential solutions and recommendations from the various groups were categorized according to the four areas identified within the Technology Plan format.

- In the area of Community Involvement, teams determined that previous versions of District Tech Plan never really reached the potential of the document becoming a living, dynamic work. Goals were met and new ones established without keeping the associated plan updated and in sync.
- Also in the area of Community Involvement, it was shown that our District web site was difficult to navigate and often presented outdated information, leading to major community dissatisfaction.
- In the category of Curriculum & Instruction, teams identified that LT was not making best use of data already being gathered and tracked, to adapt courses to the needs of students.
- Also in the category of Curriculum & Instruction, the teams determined that course work doesn't always make best use of the technology available to students, failing to take advantage of features or applications that could make the coursework more robust or enriched.
- In the area of Professional Development, we determined that lack of teacher training was the root cause for underutilization or utter lack of use of certain technologies available in the District.
- Also in the area of Professional Development, our teams determined that beyond the instructional staff, other support staff are often inadequately trained on technology solutions, which leads to incomplete or inefficient delivery of services.
- In the category of Technology Deployment & Sustainability, teams reviewing the data identified four main gaps we need to address:
  - > Rigid standardization of hardware and network support often creates mismatches between what's available to users and what would work best of them.
  - > Data storage requirements and its associated hardware continue to multiply at astounding rates within our District. For the sake of operational and fiscal efficiencies, a new solution must be identified and implemented.
  - > As a result of the ever growing desire for more access to technology by students and staff and the reality that budgets are not limitless, a number of technology devices have been maintained in inventory far beyond what should have been their effective useful lives. Additionally, a year of higher spending has often been followed by a year of low spending resulting in rollercoastering technology budgets and support demands.
  - > With the increasing inventory of technological devices used within the District and the growing complexity of the underlying support infrastructure (network, servers, etc.), the demands placed upon the technology support personnel are also rising. New industry developments, however, often provide additional operational efficiencies. Because of these competing forces, careful monitoring of technology support staffing levels is necessary.

Review and feedback or approvals were provided in response to these recommendations by the individuals or bodies appropriate to the complexity, organizational impact, funding requirements, and/or organizational and governance structure of the District.

Of note is the Board of Education Technology Goal which has supported and provided resources that have increased organizational capacity to realize the vision and raise the level of expectations so that technology will be utilized effectively and efficiently in the daily instructional and managerial processes of the District.

### Data Collection Processes

The Technology Plan utilizes data collected as part of the school improvement planning process. Data include the

following:

- Prairie State Achievement Test Scores – from 2002-2005
- Adequate Yearly Progress Reports, examining subgroup performance particularly low-income, and special education scores in reading and mathematics (groups that did not make AYP for two years)
- Annual Measurable Achievement Objectives (ESL students)
- Local Assessment Data including: Explore test (grade 8), PLAN test (grades 9-10), ACT test (grade 11)
- Semester grade distribution reports in all classes
- Advanced Placement test results
- Preliminary Scholastic Aptitude Tests
- Illinois State Scholars and National Merit Finalists
- Final Examinations in all courses
- Personnel Records for highly qualified teacher qualifications, which indicate that 100% of LT's teachers are "highly qualified"

The Technology Plan also utilizes data relevant to professional development. Data include the following:

- Illinois Professional Teaching Standards (ITPS), National Educational Technology Standards for Teachers (NETS-T), Technology Standards for School Administrators (TSSA) and National Staff Development Council professional development standards.
- District Institute Day registrations and evaluations
- Individual Technology Plan logs of participating teachers
- Individual Technology Plan annual survey
- Records of all technology-related conferences/workshops attended
- Staff needs assessments for professional development
- Minutes of the Curriculum Staff Development Teams meetings
- Departmental and administrative professional growth plans, which include individual staff technology goals
- Teacher survey data regarding Pilot Tablet Project

Other data used in the creation of the plan, include:

- Board of Education Technology goal and formative and summative assessment reports
- Summary and detailed technology inventory reports and network topologies, representing a robust backbone and nearly 1,400 computers (See appendices B1 & B2)
- Help Desk ticket reports
- Departmental organization charts
- Minutes or notes of meetings of the various groups of stakeholders
- Evaluations and analysis of potential solutions as provided by the Metiri Group (<http://www.metiri.com/techsolutions/>)
- User and community surveys

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## Data Sources

Document	URL
LTHS District 204 -- Tech Plan 06 Appendices	<a href="http://www.lths.net/administration/techplan2006/dtp06-appendices.pdf">http://www.lths.net/administration/techplan2006/dtp06-appendices.pdf</a>