

BALTIMORE COUNTY PUBLIC SCHOOLS

DATE: August 22, 2006

TO: **BOARD OF EDUCATION**

FROM: Dr. Joe A. Hairston, Superintendent

SUBJECT: **DEPARTMENT OF INFORMATION TECHNOLOGY**

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RESOURCE PERSON(S): Michael Goodhues, Chief Information Officer

INFORMATION

To provide the Board of Education an overview of the structure and focus of the Department of Information Technology for the coming school year.

Attachment I - PowerPoint™ Presentation



Attachment I

DEPARTMENT OF TECHNOLOGY

Board Report
August 22, 2006

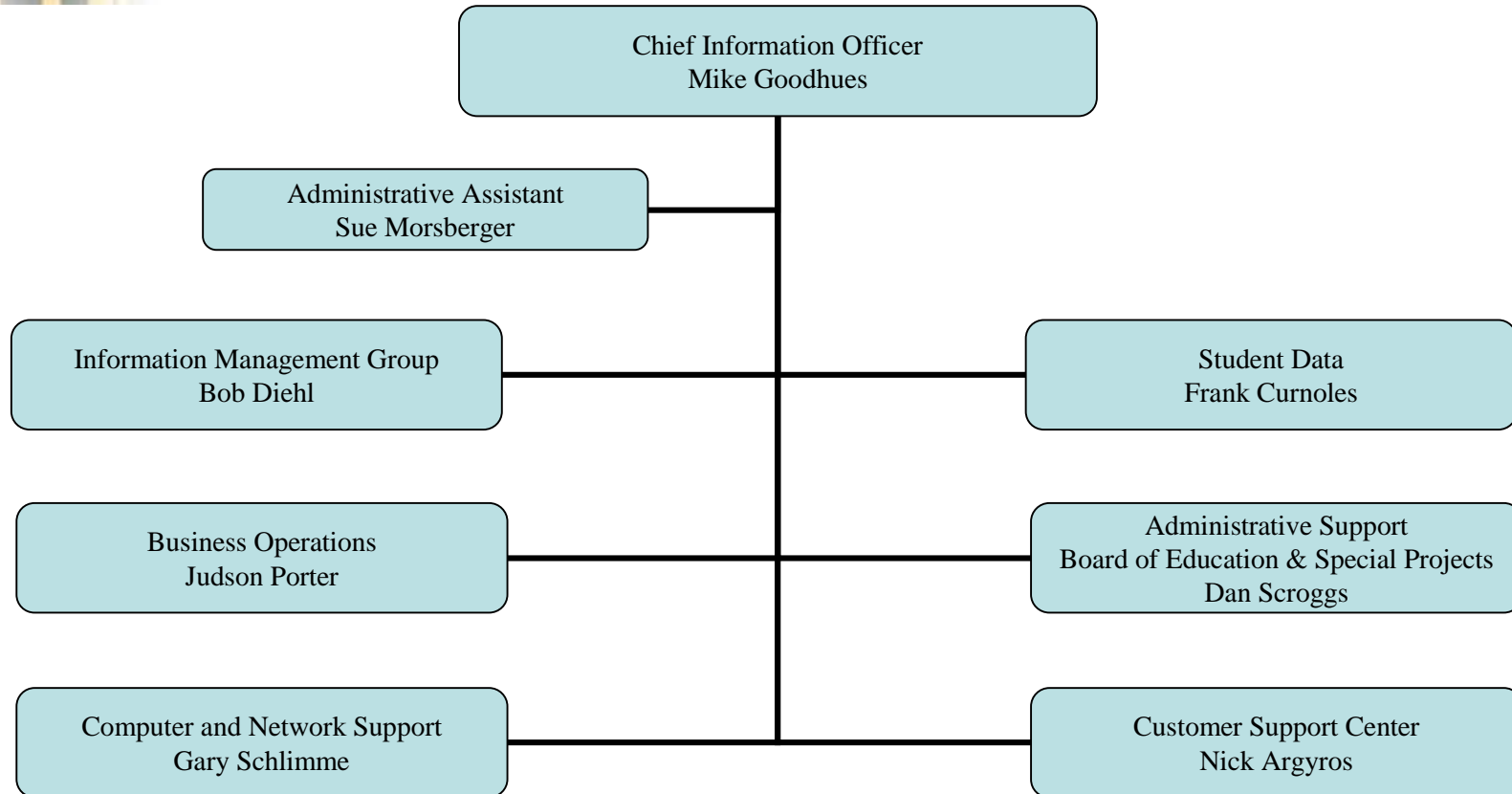


Department Responsibilities

- Maintain, upgrade, and secure the BCPS network, computing and communication infrastructure
- Develop and maintain enterprise applications – Student Information, HR and Finance, and Web-based Applications
- Provide customer service and support to school and office users
- Analyze and report sanctioned student data
- Provide leadership and expertise on technology issues
- Assist Curriculum Offices with the integration of technology for students and teachers

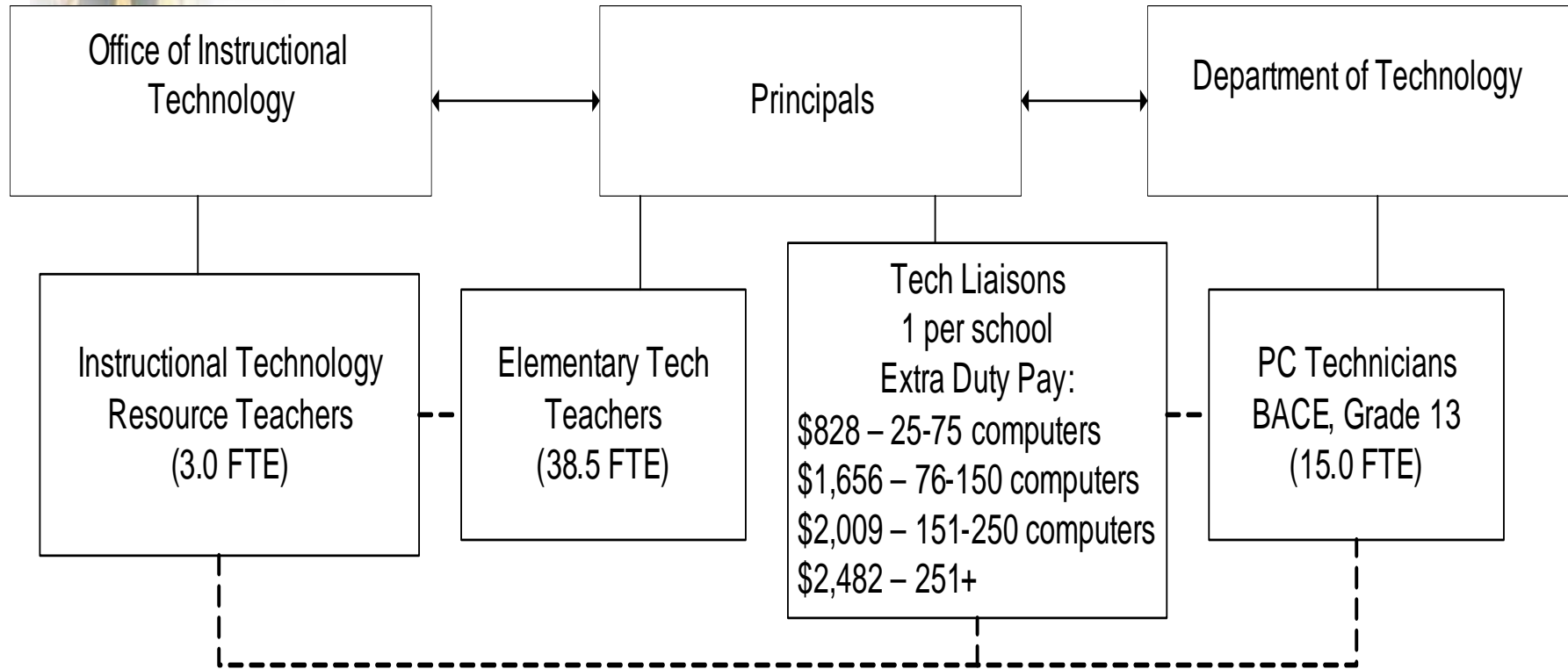


DEPARTMENT OF TECHNOLOGY





TECHNOLOGY SERVICES TO SCHOOLS



Technology Teacher - 0.3 teacher per school , plus 0.1 teacher for every 123 students above 370



The Department of Technology (DOT) and Office of Instructional Technology (OIT) Partnership

- Provide support in the integration of technology to improve student achievement and teacher productivity.
 - Provide technical evaluations of instructional software and web-based resources to insure compatibility with BCPS computer systems, desktop images and network infrastructure.
 - Implement strategies to provide professional development in the use of new hardware, software and current BCPS procedures and practices.
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Resources for Technology Integration

Instructional Technology Resource Teachers

Provide school based support for school administrators, elementary technology integration teachers, and technology liaisons as they employ technology to meet school improvement plans.

Elementary Technology Integration Teachers

Provide leadership at the school level to facilitate the integration of technology across the curriculum in computer labs and classrooms. Plan and implement professional development for staff on the effective use of technology in elementary schools.

Technology Liaisons

Maintain hardware and software inventories. Trouble shoot technical problems and work with the Customer Service Center to get them resolved. Plan and implement professional development for staff on the effective use of technology in secondary schools.



DATA INTEGRITY AND DATA WAREHOUSE

- The Data Integrity web site has been updated to include internal requests for data
- Review the consolidation and standardization of applications to improve access to student achievement data
- Review staffing and resources to ensure long term stability of warehouse data and reporting structure



Data Systems Access

Profile	TestTrax	DataTrax	Cognos	Metaviewer (Student and Financial Reports)	Student Information System (STARS)	Advantage Financial
Teacher	X				X	
Principal	X	X	X	X	X	X
Assistant Principal	X	X	X	X	X	X
Area Assistant Superintendent	X	X	X	X	X	X
Executive Leadership	X	X	X	X	X	X



Current Projects Infrastructure/Capacity

- Bandwidth Increase (Verizon Fiber Optic)
- Disaster Recovery
- Automated Inventory System
- Video Conferencing Pilot
- Security Cameras at Schools
- Dell Remedy Plan



Dell Remedy Plan

Baltimore Project Update

System	Install Base	Action Plan	Units
GX260 Power Supply	6079	Replace all orders with impacted power supplies	337
		Provide seedstock	TBD
GX270 Motherboard	5823	Expand CFA to replace remaining impacted motherboards	3460
		Provide seedstock	TBD
GX280 Motherboard	1252	Replace all remaining impacted motherboards	124
		Provide seedstock	TBD
GX520 Hard Drive	4205	Implement firmware utility on the affected drives	58
			Resolved



School Projects

- Replace All 180 School Servers
- Upgrade CTE Macs to Dells
- IP Video at Windsor Mill
- Learning Preferences Survey
- STARS in all Secondary Schools
- IEP (Tienet) in all Schools
- FitnessGram for Physical Education Teachers
- Summer School Renaissance Project



Future Issues

- Technology Services and Integration
- PDA/Tablet Review and Standards (1-1 Solutions)
- Wireless in Schools
- On line Testing (Short Cycle)
- Technology Solutions for H&H, Home Teaching, and Spring Grove Programs
- Distance Learning
- Parental Access – Grade Reporting
- Biometrics