



**SACS Required Action 8**

**Executive Summary: Technology Audit (Part I)**

## Purpose of Technology Audit

The purpose of the technology audit is to inventory the technology and related resources currently available to the teachers and students of the DeKalb County School District (DCSD).

Information for the technology audit was gathered from the following data sources:

- DCSD 2012 – 13 Annual Technology Inventory
- DCSD Technology Project List
- DCSD 2012 – 15 District Technology Plan
- DCSD Instructional Software List (Widely-Used Applications)

In order to provide a complete picture of the technology resources available in DCSD, this report categorizes and summarizes the data into the following categories:

- Hardware
- Software
- Network and Infrastructure
- Technology Projects
- Technology Plan
- Operations and Support

The aim of this report is to assist various departments within the school district in making strategic and data-driven decisions to ensure the effective use of technology in instruction.

## Hardware

### Desktop and Notebook Computers

The district is engaged in an aggressive program to provide teachers with the modern computing devices and peripherals needed to teach in the 21st Century. These devices include desktop computers, notebook computers, tablet computers, interactive whiteboards, student response devices and document cameras.

There was a major effort during 2008 - 2010 to provide modern desktop computers for teachers and students in the classroom. As a result, all teachers were assigned an industry standard desktop or notebook computer running the Windows 7 operating system and current productivity software. To date, eighty percent (80%) of all computers used for instruction are less than 5 years old.

### Tablet Computers

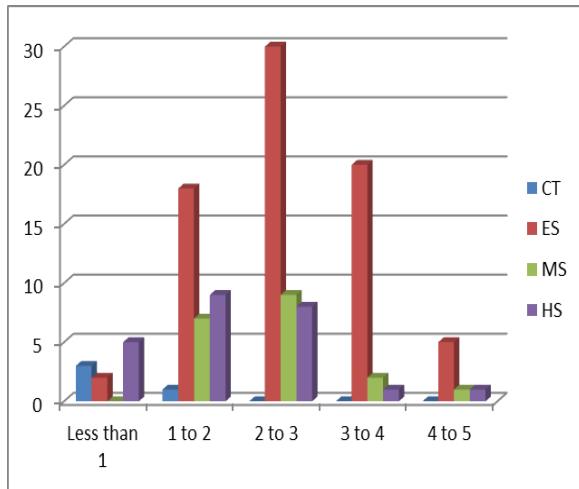
Tablet computers are a recent addition to the technology arsenal available to teachers and students. When combining tablet devices with existing notebook computers on inventory to date, thirty-one percent (31%) of all instructional computing devices are wireless capable. Ninety-six percent (96%) of these devices are less than 5 years old.

### Interactive Whiteboards and Student Response Devices

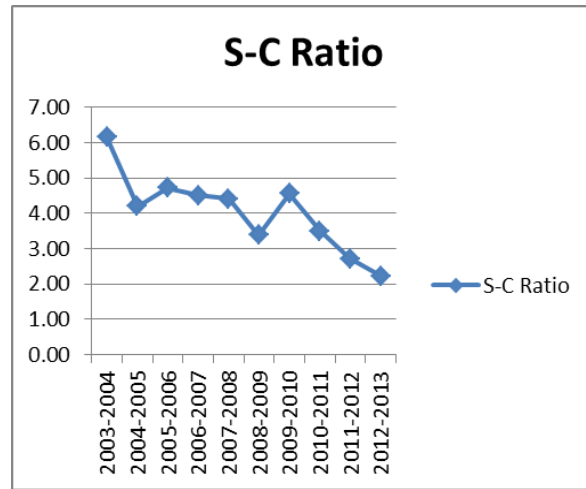
At the start of 2008, there were a handful of interactive whiteboards (IAB) installed throughout the district. Today, sixty-four percent (64%) of classrooms are equipped with IABs. One fourth of these classrooms also have document cameras which is about sixteen percent (16%) of all classrooms. In addition, the district has deployed over 46,000 student response devices for use with the IAB software. Special-Purpose Local-Option Sales Tax (SPLOST IV) will fund the 21st Century Classroom Project, which will install an IAB in all remaining classrooms. Consequently, one hundred percent (100%) of district classrooms will be equipped with an IAB by the end of the 2013 – 14 school year.

By continuing to make technology available to teachers in the classroom, the DeKalb County School District has been able to reduce the number of students per instructional computing device to 2.22:1. The ratio of students to wireless capable devices is 7.16:1.

**Student to Computing Device Ratio by School Type**



**Student to Computing Device Ratio Over Time**



### Virtual Desktop Computing

Looking to the future, the DCSD Information Technology (IT) Department is working to extend the life of aging desktop computers. Another SPLOST IV funded project will create a virtual desktop environment for workstations that are older than two years. This virtual desktop environment will allow users to run the latest Windows operating system and productivity software without having to replace the actual computer.

### Data Source

Detailed data from the 2012 – 2013 Annual Technology Inventory for DCSD can be found in Appendices 1A and 1B.

## Software

### Productivity

All workstations purchased from a DCSD Board-approved vendor come preinstalled with Windows 7, Internet Explorer 9 and the Microsoft Office 2010 Professional Suite. The Microsoft Office 2010 Professional Suite includes a word processor (Word), spreadsheet (Excel), presentation tool (PowerPoint), database (Access), and organization and collaboration tool (OneNote).

### Email and Communication

DCSD adopted FirstClass as the district's email and communication tool. Every DCSD staff member and all students in grades 5 through 12 have FirstClass accounts. In addition to email, each staff member's FirstClass account supports file storage and sharing, district and school level conferencing, real-time chatting, as well as individual webpage hosting.

### Administrative

DCSD has adopted several web-based applications necessary for administrative functions typically conducted by the teacher that impact instruction. The electronic Student Information System (eSIS) Teacher Assistant is the teacher's electronic grade book that works seamlessly with the Student Information System currently used by the district. The district's Instructional Data Management System provides teachers with access to school and student data, including benchmark and standardized assessment results.

### Instructional Applications

Instructional software applications support both local school and district-level initiatives and programs. District-wide software application licenses are typically funded by local funds and are available for use in all schools and centers at appropriate grade levels.

All other instructional software application licenses are available as resources to schools and centers based on specific instructional needs as identified by a particular program or initiative. These software applications are funded, as appropriate, using federal, state, and local funds.

### Data Source

Detailed data for software applications widely used in DCSD can be found in Appendix 1C.

## Network and Infrastructure

### Fiber-Optic Wide Area Network

Since 1997, one hundred percent (100%) of classrooms within the DeKalb County School District have had connectivity to the network and the Internet. In 2002, DCSD decided to use SPLOST II funds to greatly enhance the connectivity between the schools and the Internet. By 2006, DCSD had migrated from a leased frame relay wide area network (WAN) to a wholly owned fiber optic based wide area network (WAN). This major network upgrade made network connection speeds 600 times faster and Internet access speeds 14 times faster.

### Industry-Standard Data Center

The DCSD Wide-Area Network (WAN) is organized into three central sites and 16 school (head end) sites that are connected at 10 Gbps bandwidth. Each school's local area network has a 1 Gbps bandwidth connection to a head end. The DCSD WAN supports all instructional and business applications which include, but are not limited to, Internet, VoIP, video, and wireless. Security components prevent unauthorized access to the network.

Our three central sites hold all of the district level instructional and business applications: the main site being a fully-functional industry-level data center located at the district's technology center. This data center provides clean power and a robust HVAC system to protect the district's significant investments. In addition, using virtualization software, the district has reduced the number of physical file servers from 450 devices to approximately 120 devices.

### Wireless Connectivity

Wireless connectivity is available in the Media Center of every school and center within DCSD. Approximately 20% of schools and centers are fully wireless. Additionally, every new school will have wireless access both inside and outside of the building. The wireless infrastructure is robust enough to allow for future wireless growth. SPLOST IV will also fund the Wireless Access for all Schools Project which will provide site-wide wireless access to one hundred percent (100%) of the schools and centers within DCSD. This project is in progress and scheduled for completion late 2013.

## Technology Projects

The projects displayed in the technology projects list (see the Appendix) give a view of projects throughout the district that are currently in the queue for procurement and/or implementation or are already in implementation. These projects are categorized as large or district-wide efforts that will have a major impact on a significant amount of the population, especially the students. This information is not only another artifact for the technology audit, but also supports another milestone for Required Action 8 in addressing the allocation of technology. The scope for each project gives a brief description of what schools or programs will be affected by the initiative, what technology hardware and/or instructional software will be provided, and for what purpose. Also, indicated in the table are project the (tentative) start and end dates, the current status of the project displayed with a percent of completion, and the department that owns the project.

### Data Source

Detailed data for the Technology Project List can be found in Appendix 1D.

## DeKalb County School District Technology Plan

### Purpose

Every three years the Georgia Department of Education (GADOE) mandates the requirement of a current technology plan. The latest plan, 2012 – 2015, was submitted to and approved by the DeKalb County School District's (DCSD's) Board of Education (BOE) in April 2012. It is a requirement by the GADOE that the district's BOE approve the technology plan prior to submitting it to GADOE.

There are several reasons a current technology plan is needed by every school district in the state of Georgia:

1. To ensure that the district is being a good steward in the use of federal, state and local education technology funds to support student achievement.
2. To maintain eligibility for e-Rate, Title II-D formula and Competitive grant funding.
3. To review the current reality of the district's students, teachers and administrative staff access to and use of technology.
4. To compare the previous three-year plan to the current reality in order to determine where are gaps.
5. To create goals and benchmarks for the next three years in order to close the gaps and move the district's students, teachers and administrative staff forward in access to and use of technology.

### Development Process

The planning of the district technology plan was a collaborative effort by the various departments (and team members) within the district. There were three major groups involved in the development of the document. Each had its own set of roles and responsibilities.

1. **Core Team** – responsible for planning and organizing who should be involved in the creation of the plan, what information should be included in the plan, how the information should be organized; reviewing all documentation before submitting to the BOE and before publishing on the website; and facilitating all stakeholder meetings and community forums. This group consisted of Information Technology (IT) senior management and key members from each department within IT. Those departments were: Project Management, Instructional



Technology, Technical Support Services, Enterprise Systems, Infrastructure & Security, Student Information Systems, and Applications Development & Support.

2. **Stakeholders** – responsible for providing information on how they view current technology in district, especially in their work areas (if applicable) and where they see technology needs in four basic areas:
  - a. Admin/Classroom Technology
  - b. Infrastructure
  - c. Instructional Technology
  - d. Business Applications

This group consisted of members in Information Technology, Human Resources, Curriculum & Instruction, Finance, Education Media, principals, teachers, parents, and community members. Meetings with these stakeholder groups occurred within a four-week period.

3. **Writing Team** – responsible for compiling and analyzing all data gathered and forming it into a document with all information based on the guidelines provided by the state department. This group consisted of a sub-group within the core team.

### **Approval Process**

The technology plan was approved according to the process below.

1. March 30, 2012 – Plan was finalized
2. April 9, 2012 – Presented and approved by the DeKalb BOE
3. April 20, 2012 – Submitted to the GADOE
4. April 27, 2012 – Received approval letter from the GADOE
5. July 6, 2012 – Placed on the district's website

### **Data Source**

Detailed DCSD 2012 – 15 Technology Plan can be found in Appendix 1E.

## Operations and Support

The Department of Information Technology (IT) is responsible for instructional technology, business and administrative data processing systems, network management and technology support services for DCSD. Our technology program is based upon the premise of maintaining a balance among hardware, software and people. Our strategy has been to prepare teachers to use instructional software with students, to prepare administrators as well as teachers to use application, tool and support software as appropriate and to apply current information technology to the business processes of DCSD in a distributed environment. This strategy supports the major goals of DCSD to improve student achievement and support the teaching and learning process.

Currently, the IT Department divided into the following divisions:

- Application Development and Support
- Digital Programming
- Enterprise Systems
- Information Systems
- Instructional Technology
- Information Security
- Project Management
- Support Services
- Technical & Support

Technology troubleshooting is provided by various support personnel within the IT Department. The primary avenue for problem resolution is the DCSD Support Services Call Center. The Call Center utilizes a help desk call management system to provide first and second level support to every school and center. Technology issues that require more specialized assistance are directed to the appropriate department to ensure resolution.

The Instructional Technology (ITS) department provides training and assistance to our learning communities as they leverage the use of technology to support the teaching and learning process. ITS designs and provides targeted professional development that models and promotes the National Educational Technology Standards endorsed by the International Society of Technology in Education and adopted by the Georgia Department of Education.

Information Technology works in tandem with other departments, vendors, and service providers to provide high-quality solutions to internal and external customers that are research-based and data-driven.

**APPENDICES**

<b>Appendix 1A</b>	<b>2012 - 2013 Statewide Technology Inventory DeKalb County School District Summary Data</b>
<b>Appendix 1B</b>	<b>2012 - 2013 Statewide Technology Inventory Individual School Data</b>
<b>Appendix 1C</b>	<b>DCSD Widely-Used Instructional Software List</b>
<b>Appendix 1D</b>	<b>DCSD Technology Projects</b>
<b>Appendix 1E</b>	<b>DCSD 2012 – 15 Technology Plan</b>

**Appendix 1A**

**2012 - 2013 Statewide Technology Inventory  
DeKalb County School - District Summary Data**

RAW DATA	
Total Classrooms	6147
Total Students	95455
Total Win7 Desktops Under 5 Years Old	7361
Total Win7 Laptops Under 5 Years Old	3290
Total Win7 Netbooks Under 5 Years Old	93
Total WinXP Desktops Under 5 Years Old	11852
Total WinXP Laptops Under 5 Years Old	4686
Total WinXP Netbooks Under 5 Years Old	207
WinXP Thin Client Host Computers	782
WinXP Thin Clients	2346
Total WinXP Desktops Over 5 Years Old	6871
Total WinXP Laptops Over 5 Years Old	591
Mac Desktops with OS10	474
Mac Desktops with OS9	102
Total iPads with iOS4	631
Total iPads with iOS5	2276
Total iPads with iOS6	1650
IAB's	3915
Classrooms Without IAB's	1881
Document Cameras	992
ActivSlate	3624
ActivVote / ActivExpression	46031

SUMMARY CACLULATIONS		
Total Computers Under 5 Years Old	30617	80%
Total Computers Over 5 Years Old	7462	20%
Total Instructional Computing Devices	43212	
Total Instructional Computing Devices Under 5 Years Old	35648	82%
Total Instructional Computing Devices Over 5 Years Old	7564	18%
District Student / Computing Device Ratio	2.21	
Total Wireless Devices	13424	31%
Total Wireless Devices Under 5 Years Old	12833	96%
Total Wireless Devices Over 5 Years Old	591	4%
District Student / Wireless Device Ratio	7.11	
Percentage of Classrooms with IAB's	64%	
Percentage of Classrooms with Document Cameras	16%	

SACS RA8 Exective Summary: Technology Audit (Part 1)

Appendix 1B

2012 - 2013 State Technology Inventory - Individual School Data

School Name	FTE School Enrolment Oct 2012	Classroom Count	Classrooms with 10 or More Computers (Labs)	Classrooms with 6 to 9 Computers	Classrooms with 3 to 5 Computers	Classrooms with 1 or 2 Computers	Computers Under 5 Years	Computers Over 5 Years	iPads	Thin Clients	Total Computing Devices	Student / Computer Ratio	IAB's	ActivExpressions	Administrative Computing Devices
Allgood ES	554	37	2	0	26	9	164	40	34	12	250	2.22	23	320	10
Arabia Mountain HS	1301	80	8	2	70	0	445	0	20	236	701	1.86	81	764	40
Ashford Park ES	544	34	1	0	22	10	83	28	4	12	127	4.28	26	64	2
Austin ES	647	36	1	2	27	5	121	54	13	12	200	3.24	37	192	6
Avondale ES	521	35	1	1	16	17	148	33	0	12	193	2.70	26	544	15
Bob Mathis ES	336	28	2	3	6	17	235	9	60	60	364	0.92	13	192	8
Briar Vista ES	439	34	0	0	15	17	92	5	0	12	109	4.03	9	96	7
Briarlake ES	449	35	1	1	23	10	165	7	0	12	184	2.44	25	84	6
Brockett ES	433	30	1	0	4	25	90	39	0	12	141	3.07	19	384	7
Browns Mill ES	681	43	1	1	2	39	209	246	0	12	467	1.46	38	576	7
Canby Lane ES	669	41	0	0	3	41	190	237	70	12	509	1.31	34	356	5
Cary Reynolds ES	993	52	2	2	34	6	127	80	30	12	249	3.99	30	352	3
Cedar Grove ES	596	41	1	0	0	41	138	140	10	12	300	1.99	27	352	8
Cedar Grove HS	971	68	6	0	58	4	475	113	119	16	723	1.34	49	896	18
Cedar Grove MS	890	76	7	1	1	10	283	118	36	16	453	1.96	36	544	20
Chamblee HS	1263	73	6	3	1	63	249	25	0	16	290	4.36	15	256	14
Chamblee MS	903	61	7	4	37	13	175	272	30	16	493	1.83	25	256	24
Champion MS	795	42	4	0	3	35	272	59	0	20	351	2.26	14	256	23
Chapel Hill ES	586	43	2	0	5	35	170	324	49	12	555	1.06	40	384	9
Chapel Hill MS	928	61	4	0	1	2	239	49	1	12	301	3.08	30	416	1
Chesnut ES	471	30	1	2	20	7	158	32	2	12	204	2.31	20	96	9
Clarkston HS	1533	73	16	3	8	46	797	25	180	24	1026	1.49	68	2012	31
Clifton ES	336	28	2	3	6	17	235	9	60	60	364	0.92	13	192	8
Columbia ES	577	32	2	0	21	9	217	60	0	12	289	2.00	17	352	14
Columbia HS	1358	71	12	6	29	24	268	277	53	16	614	2.21	30	544	54

SACS RA8 Exective Summary: Technology Audit (Part 1)

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Columbia MS	1173	69	5	2	3	62	268	25	40	16	349	3.36	36	496	24
Coralwood CT	242	19	1	0	17	1	98	1	17	12	128	1.89	19	128	28
Cross Keys HS	1029	65	12	2	4	47	427	8	97	168	700	1.47	61	1664	29
DECA	273	17	1	1	4	14	82	31	50	12	175	1.56	15	320	17
DeKalb Alternative CT	167	34	6	9	13	6	292	115	0	12	419	0.40	30	512	29
DESA	530	36	2	4	18	12	104	29	53	12	198	2.68	20	192	9
Dresden ES	886	52	2	9	34	6	122	80	61	12	275	3.22	36	608	3
Druid Hills HS	1574	77	6	1	70	0	395	82	7	140	624	2.52	57	608	27
Druid Hills MS	992	68	6	8	14	40	369	12	52	16	449	2.21	28	287	32
DSA	336	28	2	3	6	17	235	9	60	60	364	0.92	13	192	8
Dunaire ES	578	36	2	0	15	19	164	27	0	12	203	2.85	25	352	6
Dunwoody ES	952	57	2	7	46	2	205	0	0	212	417	2.28	59	0	15
Dunwoody HS	1511	79	7	1	71	0	330	0	90	268	688	2.20	81	155	17
EL Bouie ES	829	46	1	0	13	32	97	192	2	12	303	2.74	15	160	11
EL Miller ES	536	40	3	0	6	31	146	11	1	12	170	3.15	25	608	18
Elizabeth Andrews HS	687	57	9	4	40	3	181	166	150	28	525	1.31	19	224	41
Evansdale ES	651	38	1	0	21	16	205	48	0	12	265	2.46	20	96	8
Fairington ES	655	37	1	0	1	37	144	2	37	12	195	3.36	23	320	7
Fernbank ES	676	44	2	0	27	15	133	12	1	12	158	4.28	42	120	8
Flat Rock ES	1029	69	1	0	1	69	131	98	10	12	251	4.10	43	426	12
Flat Shoals ES	515	37	2	0	9	26	132	0	0	12	144	3.58	21	510	9
Freedom MS	1103	73	7	2	18	46	504	122	361	24	1011	1.09	45	832	28
Hambrick ES	668	41	2	0	2	35	137	105	70	12	324	2.06	30	384	8
Hawthorne ES	448	32	1	0	3	28	170	0	0	12	182	2.46	21	224	6
Henderson Mill ES	573	39	1	1	23	16	171	13	66	12	262	2.19	19	96	5

## Appendix 1B

## 2012 - 2013 State Technology Inventory - Individual School Data

School Name	FTE School Enrolment Oct 2012	Classroom Count	Classrooms with 10 or More Computers (Labs)	Classrooms with 6 to 9 Computers	Classrooms with 3 to 5 Computers	Classrooms with 1 or 2 Computers	Computers Under 5 Years	Computers Over 5 Years	iPads	Thin Clients	Total Computing Devices	Student / Computer Ratio	IAB's	ActivExpressions	Administrative Computing Devices
Henderson MS	1585	88	4	7	17	60	446	103	5	20	574	2.76	43	288	32
Hightower ES	776	40	0	1	26	13	207	41	40	12	300	2.59	30	325	7
Huntley Hills ES	489	39	1	0	12	26	88	30	0	12	130	3.76	17	160	6
Idlewood ES	907	56	1	1	34	20	352	66	30	12	460	1.97	34	384	15
Indian Creek ES	1058	55	2	18	12	23	203	7	60	64	334	3.17	34	640	16
International Student CT	144	32	4	8	6	14	171	171	34	12	388	0.37	21	320	62
Jolly ES	771	45	2	2	6	34	174	14	90	12	290	2.66	26	352	11
Kelley Lake ES	372	31	2	1	23	5	76	31	59	12	178	2.09	0	256	2
Kingsley ES	587	34	2	0	14	18	89	12	35	12	148	3.97	27	160	8
Kittredge ES	419	34	0	0	21	13	167	0	40	12	219	1.91	33	160	2
Knollwood ES	382	37	2	1	22	12	143	29	51	12	235	1.63	16	320	36
Lakeside HS	1914	87	10	3	39	35	646	0	39	92	777	2.46	85	352	0
Laurel Ridge ES	444	34	1	1	16	32	119	17	0	12	148	3.00	11	96	0
Lithonia HS	1405	70	6	2	44	18	402	36	5	16	459	3.06	45	255	40
Lithonia MS	1212	68	1	4	34	8	309	186	0	16	511	2.37	48	896	26
Livsey ES	412	30	1	0	11	18	68	120	2	12	202	2.04	8	160	6
Marbut ES	852	48	1	0	1	48	164	4	3	12	183	4.66	22	256	8
Margaret Haris CT	67	21	0	0	7	12	58	29	4	12	103	0.65	16	352	7
Mary Bethune MS	916	55	5	2	3	45	429	60	49	12	550	1.67	40	1280	26
McLendon ES	489	37	2	2	11	22	189	15	10	12	226	2.16	31	416	0
McNair HS	336	28	2	3	6	17	235	9	60	60	364	0.92	13	192	8
McNair MS	778	62	6	1	17	36	305	63	271	20	659	1.18	51	458	26
Meadowview ES	405	29	2	0	0	25	104	108	0	24	236	1.72	17	300	1
Midvale ES	436	32	1	0	12	19	82	126	3	12	223	1.96	30	128	6
Midway ES	614	44	2	0	22	20	185	0	30	44	259	2.37	34	512	9



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Miller Grove HS	1577	89	14	11	46	17	649	177	6	16	848	1.86	44	896	37
Miller Grove MS	976	61	2	0	15	21	244	89	6	16	355	2.75	38	448	26
ML King HS	1669	97	11	7	21	58	466	148	37	12	663	2.52	69	512	29
Montclair ES	1041	56	0	0	20	35	191	0	79	12	282	3.69	25	320	10
Montgomery ES	671	39	1	0	13	25	99	110	106	28	343	1.96	34	96	7
Murphey Candler ES	484	39	2	0	0	37	178	178	0	12	368	1.32	33	0	9
Narvie Harris ES	926	52	2	0	18	34	139	217	0	12	368	2.52	25	192	11
Oak Grove ES	662	39	1	0	24	14	166	1	30	16	213	3.11	23	256	5
Oakcliff ES	695	43	3	1	31	9	169	73	11	12	265	2.62	29	288	10
Oakview ES	744	57	2	0	0	57	298	188	37	12	535	1.39	36	32	19
Panola Way ES	817	53	3	0	36	14	176	23	30	12	241	3.39	34	160	9
Peachree MS	1339	77	7	2	4	70	255	220	69	16	560	2.39	31	544	22
Pine Ridge ES	543	54	2	3	26	14	155	56	0	12	223	2.43	21	192	9
Pleasantdale ES	785	56	2	0	26	25	162	66	30	12	270	2.91	38	384	9
Princeton ES	897	58	2	2	47	7	111	212	139	12	474	1.89	35	448	15
Rainbow ES	439	44	2	0	4	42	187	272	20	12	491	0.89	26	320	13
RE McNair ES	793	49	2	2	37	8	245	0	4	12	261	3.04	24	384	25
Redan ES	543	40	2	0	2	35	171	5	30	12	218	2.49	32	285	8
Redan HS	1237	77	9	9	12	24	449	83	20	16	568	2.18	42	384	21
Redan MS	865	70	6	1	47	16	255	183	60	16	514	1.68	26	512	31
Robert Shaw ES	450	34	2	0	21	10	147	36	0	12	195	2.31	22	288	17
Rock Chapel ES	495	39	2	2	29	8	139	72	59	20	290	1.71	19	384	10
Rockbridge ES	492	33	1	1	0	31	147	4	5	12	168	2.93	29	320	0
Rowland ES	547	36	2	0	14	24	125	39	30	12	206	2.66	33	320	7
Sagamore Hills ES	462	44	3	0	5	28	172	15	54	12	253	1.83	30	320	6

## Appendix 1B

## 2012 - 2013 State Technology Inventory - Individual School Data

School Name	FTE School Enrolment Oct 2012	Classroom Count	Classrooms with 10 or More Computers (Labs)	Classrooms with 6 to 9 Computers	Classrooms with 3 to 5 Computers	Classrooms with 1 or 2 Computers	Computers Under 5 Years	Computers Over 5 Years	iPads	Thin Clients	Total Computing Devices	Student / Computer Ratio	IAB's	ActivExpressions	Administrative Computing Devices
Salem MS	1170	70	4	2	36	28	311	33	41	16	401	2.92	28	896	22
Sequoyah MS	1077	66	4	5	22	34	324	93	40	16	473	2.28	49	690	20
Shadow Rock ES	660	42	2	1	36	3	174	84	22	12	292	2.26	31	416	15
Smoke Rise ES	464	41	1	1	2	37	113	127	69	12	321	1.45	20	128	10
Snapfinger ES	796	41	0	0	37	4	275	290	30	12	607	1.31	31	144	10
Stephenson HS	1550	96	12	7	15	62	503	130	10	16	659	2.35	30	384	32
Stephenson MS	1024	82	3	2	2	74	323	126	30	16	495	2.07	21	160	21
Stone Mill ES	585	41	2	1	28	10	159	47	55	12	273	2.14	40	352	24
Stone Mountain ES	571	34	2	0	2	30	124	10	40	12	186	3.07	22	256	8
Stone Mountain HS	1145	63	9	2	33	19	339	187	123	16	665	1.72	43	1024	21
Stone Mountain MS	1072	76	6	5	26	39	201	309	31	16	557	1.92	43	416	28
Stoneview ES	773	47	2	0	9	34	155	9	30	12	206	3.75	30	384	14
SW DeKalb HS	1429	72	12	7	20	15	260	297	10	16	583	2.45	27	416	31
Toney ES	389	30	2	0	0	28	110	0	2	12	124	3.14	26	192	9
Towers HS	990	63	10	2	8	43	462	85	119	16	682	1.45	53	608	26
Tucker HS	1754	95	10	0	79	6	1072	1072	8	296	2448	0.72	85	512	15
Tucker MS	1333	73	5	1	47	20	218	73	0	16	307	4.34	29	320	21
Vanderlyn ES	778	48	1	0	31	17	131	160	22	12	325	2.39	48	192	6
Wadsworth ES	237	25	0	0	0	25	131	144	0	12	287	0.83	6	96	3
Woodridge ES	544	40	1	1	8	30	141	15	27	12	195	2.79	17	288	7
Woodward ES	913	44	1	2	20	28	157	45	30	12	244	3.74	38	412	13
Wynbrooke ES	895	56	2	2	41	11	195	85	2	12	294	3.04	48	128	15

## Appendix 1C



## DCSD "Widely-Used" Instructional Software

Title	Licensing/Availability	Subject Area
Accelerated Math	School License	Math
Accelerated Reader	School License	Reading
ActivInspire	District License	All
Ascend Math	Department License (Special Education)	Math
Boardworks	School License	All Core
Brainingcamp	School License	Math
BrainPOP	District License	All
Capstone Interactive Library	School License	All Core
Classworks	School License	All Core
Coach Connected	School License	All Core
Cognitive Tutor Site Licenses	School License	Math
Compass Learning Odyssey	School License	All Core
Discovery Education	District License	All
Discovery Science	District License	Science
Edmodo	District License	All
Education City	School License	Math, Science, ELA
Explore Learning Gizmos	School License	Math and Science
FASTT Math	Department License (Special Education)	Math
Flocabulary Of Educational	School License	ELA, Math
Fractions, Decimals & Percent	School License	Math
Ilit Tiered Intervention	School License	Reading
Image Learning	Department License (Special Education)	ELL
I-READY DIAGNOSTIC	School License	ELA, Math
iXL Math	School License	Math
Lexia	Department License (Special Education)	Reading
Math Facts In A Flash	School License	Math
My Reading Coach	Department License (Special Education)	Reading
Open Book English	School License	ELL
Pebble Go Animals+Earth &Spa	School License	Reading
ReadAbout	Department License (Special Education)	Reading
Rosetta Stone	Department License (Special Education)	ELL
Star Early Literacy	School License	Reading
Star Math	School License	Math
Star Reading	School License	Reading
Study Buddy	School License	All
Study Island	School License	All Core
Success For All	School License	Reading
Successmaker	School License	Math, Science, ELA
Symphony Math	Department License (Special Education)	Math
Thinking Maps	School License	All Coe
USA Test Prep	School License	All Core

**License/Availability Defintions**

- **School License:** Requests and funding for this application is determined by individual local schools.
- **District License (All):** Application is funded at the district level and available to **all** DCSD schools and centers.
- **Department License (Special Education):** Application is available to all DCSD schools and centers special education system.

**IMPORTANT:**

*This is a snapshot of instructional software widely-used in DCSD. As we gather more information, this list is subject to change.*

Appendix 1D



District's Technology Projects

Project	Project Scope	Completion Status	Start	End	Dept
<b>Wireless for All Classrooms</b>	To plan, coordinate, execute, and manage the installation of wireless equipment in every classroom district-wide. This will include adding up to 3990 access points and 500 network switches. Additionally, the district will install an upgraded wireless network management platform and a new identity management solution.	39%	Jan-13	Fall-13	IT
<b>Hardware Refresh</b>	<i>TBD - in infancy stage of planning; preliminary scope is being defined</i>	0%	Apr-13	TBD	IT
<b>Server Hosted Virtual Desktop (SHVD)</b>	To deploy server hosted virtual desktops (SHVD) throughout the district. By deploying SHVD, the district will realize reduction of time to deploy applications, better service with faster response time to technical issues, and ease of software upgrades. The initial targeted groups are school-based administrator workstations and elementary school workstations.	15%	Mar-13	TBD	IT
<b>Chamblee HS Replacement</b>	To implement delivery and installation of all WAN, fiber, cabling infrastructure, and telecommunications equipment and work with the school's Principal and/or designee to determine technology hardware for the newly constructed high school.	6%	Oct-12	Jan-14	IT
<b>Fernbank ES Replacement</b>	To implement delivery and installation of all WAN, fiber, cabling infrastructure, and telecommunications equipment and work with the school's Principal and/or designee to determine technology hardware for the future, newly constructed elementary school.	14%	Jan-13	Jul-15	IT
<b>Southwest DeKalb HS Addition</b>	To implement delivery and installation of all WAN, fiber, cabling infrastructure, and telecommunications equipment and work with the school's Principal and/or designee to determine technology hardware for the newly constructed classroom building building.	1%	Oct-12	Jul-14	IT
<b>ML King HS 9th Grade Addition</b>	To implement delivery and installation of all WAN, fiber, cabling infrastructure, and telecommunications equipment and work with the school's Principal and/or designee to determine technology hardware for the construction of the 9th grade academy.	18%	Sep-12	Jan-14	IT
<b>Miller Grove HS Addition</b>	To will implement delivery and installation of all WAN, fiber, cabling infrastructure, and telecommunications equipment and work with the school's Principal and/or designee to determine technology hardware for the newly constructed classroom building and drama classrooms.	1%	Nov-12	Dec-13	IT
<b>IT Academy</b>	To implement all aspects of the Microsoft IT Academy in grades 9-12. The Microsoft IT Academy program enables academic learning institutions to connect the world of education to the world of work by enabling students to acquire new technology skills in an academic setting. Microsoft IT Academies benefit from world-class Microsoft curriculum and cutting-edge software tools to experience real-world challenges in the classroom environment	0%	Aug-13	Jun-14	C&I
<b>Elementary &amp; Middle Schools STEM Lab Cohort I</b>	To upgrade existing Engineering and Technology STEM computer labs with software in 10 middle schools (Cedar Grove, Chamblee, Freedom, Henderson, Lithonia, McNair, Peachtree, Salem, Stone Mountain, Tucker) and provide STEM mobile computer labs with software in 15 elementary schools (Brockett, Cary Reynolds, Chapel Hill, Clifton, Dunwoody, Evansdale, Hambrick, Henderson Mill, Hightower, Kinglsey, Princeton, Redan, Sagamore Hills, Smoke Rise, Vanderlyn). Elementary school labs are laptops with mobile carts. Middle school labs are desktops that will include printers. Middle and elementary school STEM computer labs will be used by students to integrate science, technology, engineering, and math concepts with hands-on projects. These labs will also support and enhance STEM related activities as they relate to robotics, mechatronics, and computer aided design as well as research related to project-based instruction within STEM career fields.	25%	Jan-13	Jun-13	C&I

SACS RA8 Exective Summary: Technology Audit (Part 1)

Appendix 1D

Project	Project Scope	Completion Status	Start	End	Dept
<b>Elementary, Middle, and High School STEM Lab Cohort II</b>	To upgrade remaining high school and middle school Engineering and Technology STEM computer labs with software and provide STEM mobile computer labs with software in 30 additional elementary schools. Elementary school labs are laptops with mobile carts. Middle school labs are desktops that will include printers. High, Middle and elementary school STEM computer labs will be used by students to integrate science, technology, engineering, and math concepts with hands-on projects. These labs will also support and enhance STEM related activities as they relate to robotics, mechatronics, and computer aided design as well as research related to project-based instruction within STEM career fields.	0%	Jul-13	Jun-14	C&I
<b>Middle School Business and Computer Science Upgrade</b>	To upgrade four middle school Business and Computer Science labs with new desktops. Locations include: Chapel Hill MS, Miller Grove MS, Bethune MS, and Stephenson MS. These labs will support and enhance Business and Computer Science related curriculum and activities.	0%	Jun-13	Jun-13	C&I
<b>Race To The Top</b>	To turn around Lowest Achieving Schools Component. 56 Workstations for Dell Computers for Freedom Middle School. Secure tables for use in securing the 56 Dell computers for Freedom MS.	95%	Oct-12	Jun-13	OFFP
<b>Race To The Top</b>	STEM Initiative: To upgrade existing STEM computer labs in 10 middle schools and provide STEM computer labs in 15 elementary schools. Middle and Elementary school STEM labs will be used by students to integrate science technology engineering and math concepts with hands-on projects. These labs will also support and enhance STEM related activities as they relate to robotics mechatronics and computer aided design as well as research related to project-based instruction within STEM career fields.	0%	Oct-12	Sep-13	C&I
<b>Race To The Top</b>	Data Systems RT3 component. RT3 Technology Upgrades for LDS. Technology Upgrades as needed to accommodate the district's tunneling to the state's SLDS.	0%	Oct-12	Sep-13	C&I
<b>Race To The Top</b>	iPads for the elementary feeder schools of the LAS and their 2 LAS middle schools. iPads for the 13 elementary feeder schools of the LAS for student and instructional use related to the CCGPS and ELA and Math/Science tutorials. The type of iPads will be determined by the dept. of MIS to ensure it is supported by the district's infrastructure.	0%	Oct-12	Sep-13	C&I
<b>Title II-A Improving Teacher Quality</b>	Toner cartridges for printers external hard-drives extention cords. Equipment for Title II administrative staff to include printers monitors iPad laptop and desktop computers.	50%	Oct-12	Sep-13	OFFP
<b>Title I-A School Improvement</b>	Technology related supplies- cartridges for benchmark testing and scanning student work VGA Splitter VGA Audio Cable Mini Display Port to VGA Access Point and Adapter switch Cat6 Cables (3 per cart).	0%	Oct-12	Sep-13	OFFP
<b>Title I-A School Improvement</b>	To provide Common Core Georgia Performance Standards Practice Assessment and Diagnostic Scholastics' Read 180 program for Reading Class Computer software I works'09 Study Island software for all students in all core subjects to be integrated into the classroom as another teaching strategy.	0%	Oct-12	Sep-13	OFFP
<b>Title I-A School Improvement</b>	To provide iPad Carts, Promethean Board Projectors and Promethean LCD light bulbs, Mobile Laptop lab (30), printer, laminator, and Active Table to support core content instruction.	0%	Oct-12	Sep-13	OFFP
<b>Title I-A School Improvement</b>	To provide laptops, iPads (10 pack 32 GB) and MacBook to facilitate tutorial programs in math and science in after school Saturday and Summer Programs for students in core academic courses.	0%	Oct-12	Sep-13	OFFP
<b>School Improvement 1003G Grant</b>	To provide 11 desktop computers for student use in classrooms and desktop computers for the Parent Center at Towers High School.	90%	Oct-12	Sep-13	OFFP
<b>School Improvement 1003g Grants ARRA</b>	To provide Write to Learn software for Tiered Intervention which will include Pearson iLit for Tiered Intervention Literacy Instruction (Software Application for iPad), iPad Covers for iPads purchased with SIG .iPad Learning Labs to facilitate iLit Ramp Up Literacy Instruction for Mc Nair Middle.	0%	Oct-12	Sep-13	OFFP
<b>Title Part A</b>	To provide an estimated 96 Title I Elementary, Middle, and High Schools with various technology equipment to include Elmos; Postermakers, laptop carts; LCD projectors, iPad carts; Mac Books document cameras, Flip Cams; Mimios; recorders, CD players, projectors, 1 printers, 1 scanners; Neos; Idle- tape recorders; Activ Expressions, printer, scanner/copiers; SFA listening centers; neo carts; and digital cameras. The technology will be used to supplement instruction and student learning in the regular classroom, extended learning times/tutorials, and during the summer.	79%	Oct-12	Sep-13	OFFP

SACS RA8 Exective Summary: Technology Audit (Part 1)

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Project	Project Scope	Completion Status	Start	End	Dept
Title Part A	To provide an estimated 96 Title I Elementary, Middle, and High Schools with instructional software to include Triumph Coach, Brainchild Study Buddy Mobile Learning, Renaissance Learning NEO, Write to Learn Writing Program. E-books/World Books. Renaissance Learning (Accelerated Reader, Accelerated Math, Math Facts in a Flash., Star Reading, and Star Math), Compass Learning. - Study Island; Essential Skills-Math, Digital Map Graphics, 10 Marks Math Program. Mac software, Apps, Success Maker. Software by Boardworks. Classworks. ICS - A-Z, Exemplars, IXL, MimioTeach, Compass Learning, Software. Reading AZ and ESGI software. Microsoft for MAC- Software for the Mac computer. Math Facts in a Flash, STAR Early Literacy, STAR Math, STAR Reading, and Accelerated Math. Pearson Success Maker software. Stone Mill - Success Maker Reading , Compass Learning and Study Island. Stone Mountain - Renaissance Learning - Star Reading, Star Math, Study Island on line software. Stoneview - Study Island Software. Woodridge - Pearson Digital Software. This software will be utilized to supplement instruction:	50%	Oct-12	Sep-13	OFP