ALDINE ISD
Technology Plan
2009 - 2012

DR. WANDA BAMBERG
SUPERINTENDENT
## DISTRICT PROFILE

**ESC Region** 4  
**City, State Zip** HOUSTON, TX 77032-3099  
**Phone** (281) 449-1011  
**Fax** (281) 449-4911  
**County District Number** 101902

<table>
<thead>
<tr>
<th>Number of Campuses</th>
<th>67</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Student Enrollment</td>
<td>60000</td>
</tr>
<tr>
<td>District Size</td>
<td>50,000 and over</td>
</tr>
<tr>
<td>Percent Econ. Disadvantaged</td>
<td>78.00%</td>
</tr>
</tbody>
</table>

### Technology Expenditures

Technology budgets reported in plan by category:
- **Teaching and Learning Budget**: $33,080,162.72
- **Educator Preparation and Development Budget**: $298,190.10
- **Leadership, Administration and Support Budget**: $945,000.00
- **Infrastructure for Technology Budget**: $40,073,337.51

**Total**: $74,396,690.33

<table>
<thead>
<tr>
<th>Technology Expenditure Per Pupil</th>
<th>$1,239.94</th>
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</thead>
<tbody>
<tr>
<td>Number of Campuses with Direct Connection to Internet</td>
<td>67</td>
</tr>
<tr>
<td>Percentage of Campuses with Direct Connection to Internet</td>
<td>100.00%</td>
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<tr>
<td>Number of Classrooms with Direct Connection to Internet</td>
<td>3917</td>
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<tr>
<td>Percentage of Classrooms with Direct Connection to Internet</td>
<td>100.00%</td>
</tr>
<tr>
<td>Computer/Student Ratio</td>
<td>4 student(s) for every computer</td>
</tr>
<tr>
<td>Computer/Teacher Ratio</td>
<td>1 teacher(s) for every computer</td>
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<tr>
<td>Number of campuses that need to complete the Texas Campus STaR Chart</td>
<td>71</td>
</tr>
<tr>
<td>Percentage of campuses that have completed the Texas Campus STaR Chart</td>
<td>100.00 %</td>
</tr>
</tbody>
</table>
Plan Introduction

Plan Last Edited 01/20/2009

Plan status: approved
Years Included in the Plan: 2009 - 2012
Number of years covered by the plan: 3
Years Approved for the Plan: 2009 - 2012
Number of approved years: 3

Technology Planning Committee

Blanson, Dr. Archie, Deputy Superintendent
Barnett, Mardee, Executive Director of Technology Services
Crumbley, John, Director of Technology Support Services
Bingman, Cindy, Director of Technology Information Services
Jenkins, Matt, Director of Technology Web Services
Moore, Larry, Wide Area Network Administrator
Jahnke, Dale, Network Architect
Faber, Robert, Technology Repair Supervisor
Flores, Juan, Telecom Supervisor
Vaughan, Mike, Database Administrator and Programming Supervisor
Reed, Calvin, Webmaster
Carroll, Stella, Technology Specialist
Lucker, Thomas, Technology Specialist
Clarke, Violet, Technology Specialist
Underwood, Mike, Technology Specialist
Porto, Sandy, Technology Specialist
Dukerich, Paulette, Technology Specialist
Lovely, Mick, Technology Specialist
Hains, Terri, Technology Specialist
Leonard, Jean, Technology Specialist
Grahmann, Mildred, Technology Specialist
Sadler, Anne, Technology Specialist
Murphy, Scott, Technology Specialist
Smith, Susan, Technology Specialist
McCracken, Andy, Technology Specialist
LeGates, David, Technology Specialist
Stanley, Tanya, Technology Specialist
Hohlt, Heather, Technology Specialist
Blair, Cynthia, Technology Specialist
Jeferson, Pamela, Technology Specialist
Fitzgerald, Kay, Technology Specialist
Tillis, Will, Technology Specialist
Evans, Steve, Technology Specialist
Faler, Sandy, Technology Specialist
Nguyen, Aun, Technology Specialist
Fawcett, Renee, Technology Specialist
Hensley, Elizabeth, Technology Specialist
Sweat, Ryan, Technology Specialist
Harris, Cynthia, Technology Specialist
Stanley, Tim, Technology Specialist
Rosenbalm, Howard, Technology Specialist
Schronk, Sam, Technology Specialist
Anderson, JD, Technology Specialist
Herron, Pam, Technology Specialist
Christopher, Jay, Technology Specialist
Mitchell, Mark, Technology Specialist
Wong, Laura, Technology Specialist
Froelke, David, Technology Specialist
Silha, Molly, Technology Specialist
Ivey, Dustin, Technology Specialist
Boutte, Helen, Librarian
Blanson, Beverly, Librarian
Crowe, Diane, Librarian
Howard, Lisa, Librarian
Flores, Ellen, Librarian
Collier, Debbie, Librarian
Higginbotham, Jacqueline, Librarian
Larry, Munel, Librarian
Bishop, Barbara, Librarian
Dotson, Eunice, Librarian
Allen, Bob, Librarian
Brown, LaRosa, Librarian
Harris, Dorothy, Librarian
Read, Lisa, Librarian
Baumann, Derek, Librarian
Wardsworth, Tashauna, Librarian
Faught, Michelle, Librarian
Robinson, Chamelia, Librarian
Selick, Sherri, Librarian
Guerrero, Pat, Librarian
Russell, Anna, Librarian
White, Kay, Librarian
Montgomery, Rita, Librarian
Lott, Tawania, Librarian
Van Hamersveld, Dr. Chris, Director of Library Media Services
Buchanan, Cindy, Library Database Administrator
Abu-Hmaidan, Mohammad, Teacher
Winegarden, Kathryn, Teacher
Hill, Anthony, Teacher
Zinkernagel, Joy, Teacher
Tellez, Gabriel, Teacher
Trevino, Carlos, Teacher
Higley, Todd, Teacher
Wellman, Barry, Teacher
McCury, Christopher, Teacher
Selinger, David, Teacher
Nashville, LaShawn, Teacher
Guerra, Randy, Teacher
Vines, Jennifer, Teacher
Tamayo, Ivan, Teacher
Ivie, Holli, Teacher
Quirsfeld, Maria, Teacher
Cooper, Jaunetta, Teacher
Williams, Quinn, Teacher
Guerra, Jaime, Teacher
Rodriguez, Hector, Teacher
Nelson, Pam, Teacher
Cain, Andre, Teacher
Pestlen, Patrick, Teacher
Galindo, Maria, Principal
Stubblefield, Raymond, Principal
Holt, Mable, Principal
Carrier, Isaac, Principal
Students, parents, and community members who responded to questions
Executive Summary

The Aldine Independent School District uses technology as a tool for business, administration, and instruction. The development of this technology plan was undertaken by a diverse group of technology users and planners, representing the district, the students, and the community.

The planning committee has a primary goal of aligning the integration of technology with district developed goals and objectives. The district's three primary objectives are:
1. Aldine Independent School District will demonstrate sustained growth in student achievement.
2. Aldine ISD will implement effective student management strategies to improve student behavior.
3. Aldine ISD will improve parent/community relations by creating a welcoming environment in all campuses/facilities/departments.

These objectives and the subordinated, aligned goals and action plans, directed the development of this technology plan. Technology will be used to facilitate meeting the objectives and goals as well as successfully complete the designated action plans.

Continuing professional development and training sessions throughout the district will be provided on an ongoing basis and will be centered on preparing our students, staff and community to use technology to be responsible, productive citizens, critical thinkers, and problem solvers.

The district will also seek out and maintain appropriate technologies for the benefit of students, staff members and stakeholders. The district has established a technology support budget to provide for infrastructure, equipment, training, and support personnel to implement new technologies and assure current technologies are integrated successfully.

Aldine ISD will continue the implementation of district wide applications and solutions to facilitate electronic communication and information dissemination throughout the district and community. As Aldine ISD continues to grow, current technologies and services will be extended to new campus and administrative locations. Aging networks and computers will need to be refreshed on a schedule.

The progress of technology implementation will be evaluated quarterly as part of the balanced score card procedures adopted by Aldine ISD. Professional development models will be evaluated on a continuing basis and updated as necessary. In addition to evaluation of the district level technology plan, training models, and implementation strategies, campus technology plans will be analyzed as part of the annual campus peer and self review process.

Technology plays an increasingly critical role in developing productive citizens who are critical thinkers and problem solvers. By focusing on the theme of interdisciplinary instruction, Aldine ISD will provide a model for teachers to use in integrating technology in every subject area.

Students will demonstrate mastery of curriculum benchmarks by creating products and participating in learning activities using the latest technologies as one of their tools for success. Students will learn to make informed decisions about technologies and associated applications.

Instructional technology must be TEKS-based. This means meeting not simply the objectives of the instructional technology TEKS but also determining best and leading practices for using technology to master subject specific TEKS. Aldine ISD also has its own rigorous curriculum benchmarks for determining achievement in specific subject areas. By using technology as a tool that supports the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create a solution, and evaluate the results.

Students will communicate information in a variety of formats and to diverse audiences. Every available technology will be used. Students will analyze and evaluate the results.

In grades PreK-4, students will master grade-level appropriate keyboarding skills. This is the basic skill needed in order to achieve fluency with word processing, spreadsheets, and database activities, leading to routine creation of reports, graphs, data analysis, presentations, and other products that allow demonstration of mastery of the subject.

Mastery of keyboarding skills requires instructional time with additional time for practice. Elementary students need frequent, regular keyboarding practice over an extended period of time.

Students in grades 3-6 must master age-appropriate, computer-based productivity tools such as word processing, spreadsheet, and database software, in conjunction with subject specific instruction. The use of these programs will be integrated into every subject to allow students to demonstrate mastery through process and product.

Elementary and intermediate students will receive basic technology application instruction in the computer lab from a qualified
technology instructor, and utilize these skills in the classroom, library, and computer lab.

Seventh through twelfth grade students will demonstrate technological proficiency in every subject. Secondary students must learn advanced technology applications skills such as webpage design, video editing and production, and graphic design. In addition secondary students will achieve a high level of information literacy enabling them to be discerning users of online resources.

Teachers must be trained to use technology in new and creative ways as an instructional and production tool. Instructional Technologists at each campus will support teachers as they adopt these new instructional strategies. Instructional Technologists will provide staff development designed to guide teachers to include student-created technology-based presentations, products, and activities.

In order to move from the lecture/listen model to student-centered instruction, technology provides the teacher with an opportunity to enhance his or her own instructional techniques. Utilizing technology in the classroom provides options for individualized and appropriate instruction for each student.

Aldine ISD will develop a plan to refresh all technologies, network, desktop, and peripherals, on a regular schedule in order to meet changing instructional and administrative needs. Each campus and vertical sets of campuses will determine the distribution of technologies to provide teachers with the tools needed to appropriately integrate technology into each subject area, and as outlined in the campus technology plan.

Web 2.0 technologies will be evaluated and adopted in safe, instructionally appropriate ways. Blogs, wikis, text messaging, pod-casting and video sharing have become the preferred manner of communication for the generation of students now in our public schools and should be incorporated into the instructional models used to reach these students. To deny the use of these technologies to today's students is akin to denying the use of a #2 pencil and Big Chief tablet to an earlier generation.

Today's students and many younger teachers are “technology natives.” They have never known a world that did not include personal computers, online social networking, instantly available current information, shared information, music, and video, or constant communication availability across the globe. Using these and future technologies appropriately and effectively will make a difference for the students of Aldine by addressing their needs for successful living and working in the 21st Century.
Needs Assessment

Assessment Process:
Aldine Independent School District relies on technology for curriculum, curriculum integration, and operations functions, as well as administration tasks and responsibilities. The use of and dependence on technology grows quickly and constantly. It is a challenge to maintain the ability to support, train, and assess the effectiveness of each technology application.

Aldine’s first long-range technology plan was written in 1990, a five year plan developed in response to the growing use of technology beyond business process databases. This first plan provided goals for integrating technology into specific instructional areas. Not all goals were met and subsequent plans were revised to show what progress had been made, determine whether previous goals still have value, and prepare for new technologies.

In 2001 Aldine moved to three year plans instead of five year plans to acknowledge the fast changes in technology and the use of technology occurring in the district.

In 2006 a three year plan was adopted and revised each year, focusing on acquisition, integration, and accountability at all levels.

The 2009-2012 plan addresses strengths and weaknesses identified using district and campus improvement plans as well as teacher STaR Charts.

Technology is addressed directly or indirectly throughout the District Improvement Plan and the 2009-2012 technology plan continues to be aligned with the DIP.

Existing Conditions:
FACILITIES AND INFRASTRUCTURE
Aldine Independent School District developed and maintains a secure infrastructure. Funding is provided by local funds, state technology allotment, and federal funds in the form of the FCC’s Schools and Libraries Division e-rate program, as well as occasional grant opportunities.

Aldine’s technology vision includes regular, predictable refresh of all technologies and the expansion of alternative network routes, both wired and wireless. At this time Aldine has a single, non-redundant network the majority of which is outdated and provides inadequate bandwidth to many campuses and workstations.

The primary network is hard-wired, copper and fiber-optic, and there are wireless access points in selected locations as a secondary network. Wireless networks are inherently slower and less reliable, due to being shared rather than switched, and therefore not dependable enough for critical applications and locations. This may change in the future as wireless technology engineering matures.

Aldine ISD will budget for:
• growth and expansion of infrastructure so new technologies can be integrated into the network.
• replacement of wireless connectivity with wired connectivity for all temporary buildings, over a five year period.
• scheduled refresh of campus LANs, beginning with the oldest or most stressed networks
• continued maintenance, replacement, and centralization of technology services at the district’s data center.
• equalization of technology services and equipment district-wide.

EQUIPMENT AND SOFTWARE
Aldine ISD will continue to develop and modify software standards as instructional, administrative and operational needs change and the technologies themselves evolve and change.

Aldine ISD will determine a standard hardware setup in every classroom. As funding becomes available Aldine ISD will retrofit older classrooms so that 50 year old campuses are on a par technologically with new campuses.

Aldine will:
• work with campuses and departments to evaluate and standardize district technologies for students and staff. The Technology Services Department will be Aldine’s in-house consultants for all technology related purchases and initiatives.
• move toward standard software loads for each grade level and subject area. Efforts will be made to obtain district-wide site licenses where appropriate and affordable.
• continue to maintain the On-line Technology Catalog of standardized hardware and software products.
• provide a method for automated software distribution.
• track technology inventories.
• provide appropriate browser-based information portals for staff and students.
• provide appropriate Internet information portals for parents and community members.
• investigate Web 2.0 applications and integrate as appropriate and acceptable to the Aldine community.
Technology Needs:
STAFFING REQUIREMENTS
Staffing requirements have been addressed within the plan include the need to:
• maintain appropriate staff levels to ensure the efficient operation of district networks and technologies;
• maintain adequate highly qualified campus-based personnel to support the integration of technology into the curriculum;
• provide additional staffing needs as described within the plan.

TECHNOLOGY REFRESH PLAN
Aldine Independent School District will provide a refresh plan for all administrative and student computers. The refresh plan will focus on equipment that has been determined NFR (not feasible to repair) and for platforms that are no longer supported.

Administrative computers were refreshed in 2006-2007 and are on a five-year refresh cycle. Student computers will be refreshed annually using the state technology allotment. This fund will enable Aldine ISD to replace approximately 1500 computers per year, or 10% of the student computers each year. Area superintendents will prioritize the distribution of these computers.

HARDWARE STANDARDS
Aldine Independent School District will continue to publish an on-line catalog of standardized technology hardware. Minimum requirements will be determined annually and competitive bids sought. All equipment that is purchased by campuses or departments must be selected using these standards. Equipment that is purchased outside the approved list must be approved by the technology services department but even with approval may not be supported by district resources, and may not be allowed to access network services.

NETWORK AND INFRASTRUCTURE EQUIPMENT
Aldine ISD’s technology services department will continue to purchase, maintain and support all network related equipment, regardless of use. Equipment that is intended to be connected to the Aldine ISD infrastructure must be approved by the Technology Services administrative staff.

SOFTWARE STANDARDS
The Curriculum and Instruction Department will work with the Technology Services Department to review requested software applications. The goals of the review will be to meet instructional needs, reduce overall costs by eliminating or reducing purchases that meet similar needs, to verify the infrastructure exists or is budgeted for each application, sufficient and appropriate training is included in the plan, and to verify that support staff are available to properly and fully support all applications.

CURRICULUM INTEGRATION
Aldine ISD will develop and implement a TEKS-based plan to appropriately integrate technology into all curriculum areas and create cross-curricular associations that will enrich each student's educational experience and learning success.
## Goals, Objectives, and Strategies

### GOAL 1: Demonstrate sustained growth in student achievement

#### OBJECTIVE 1.1:

Use technology to improve, sustain and support student achievement at or beyond grade level

*Budget Amount $10,363,460.00*

LRPT category: Teaching and Learning

E-Rate Correlates: ER01, ER02

NCLB Correlates: 01, 02, 03, 04a, 06, 07, 08, 11

<table>
<thead>
<tr>
<th>Strategies</th>
<th>State/Status:</th>
<th>Timeline:</th>
<th>Person(s) Responsible:</th>
<th>Evidence:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1.1: Complete comprehensive needs assessment aligning student achievement and technology integration to TEKS.</td>
<td>State: Original</td>
<td>July 2009-June 2012</td>
<td>Executive Director of Technology Services, Executive Director of Curriculum and Instruction, Technology Specialists, Librarians</td>
<td>Campus technology plans include strategies and budget to align instruction and technology to TEKS.</td>
</tr>
</tbody>
</table>

**LEA LRPT Correlates:** LAS01, LAS02, LAS04, LAS05, LAS10, TL01, TL04, TL05, TL06

**Comments:** Ensure that we are finding and implementing best practices

**LEA LRPT Correlates:** LAS01, LAS02, LAS04, LAS05, LAS08, TL01, TL05, TL06, TL14

| 1.1.2: Research and evaluate technology for instruction | State: Original | July, 2009 - June 2012 | Program Directors, Technology Specialists, Executive Director of Technology Services, Executive Director of Curriculum and Instruction, Director of Technology Support Services | List of best practices and quarterly scorecards indicating adoption of best practices. Documentation of research-based data for all technology integration decisions and planning. |

**LEA LRPT Correlates:** LAS01, LAS02, LAS04, LAS05, LAS08, TL01, TL05, TL06, TL14

| 1.1.3: Identify and prioritize technologies that meet the needs of all students and teachers and provide those technologies. | State: Original | July 2009 - June 2012 | Executive Director of Technology Services, Director of Technology Support Services, Executive Director of Curriculum and Instruction, Technology Specialists, Librarians | Increase student:computer ratio from 4:1 to 3:1 by 2011. Maintain teacher:computer ratio at 1:1. Complete study of efficacy and fiscal practicality of moving to student:computer ratio of 1:1. STaR Chart indicates increased availability and usage of technology in all classrooms. Includes innovate and emerging technologies and training to use them, traditionally and creatively. |

**LEA LRPT Correlates:** EP03, EP05, I01, I04, I05, I07, I09, LAS01, LAS02, LAS04, LAS05, TL08, TL09, TL12

**Comments:** District and community need to consider the following questions. What emerging technologies are appropriate to incorporate and when? What is the appropriate student:computer ratio for effective teaching and learning? What student:computer ratio is desired by the community?
### 1.1.4: Obtain funding for technologies through local, state, federal, grant, and private partnership sources.

- **State:** Original
- **Status:** Planned
- **Timeline:** July 2009-June 2012
- **Person(s) Responsible:** Executive Director of Technology Services, Assistant Superintendent of Finance
- **Comments:** local, state technology allotment, e-rate, grants, etc.
- **LEA LRPT Correlates:** LAS01, LAS02, LAS04, LAS06, LAS15
- **Funding available to meet goals of the plan**

### 1.1.5: Provide online tools for teachers and administrators to increase productivity and ensure data-driven decision processes.

- **State:** Original
- **Status:** Planned
- **Timeline:** July 2009-June 2012
- **Person(s) Responsible:** Executive Director of Technology Services, Director of Technology Web Services
- **LEA LRPT Correlates:** EP03, EP05, I01, I06, I07, I09, LAS08, LAS14, TL04, TL05, TL06, TL07, TL12
- **Teachers are able to take attendance, record grades, create lesson plans and access student information online on campus and off campus. Administrators are able to monitor attendance, grades, lesson plans and student information.**

### 1.1.6: Provide technology applications courses at all grade levels, EC/PreK through HS, using adopted curriculum, benchmarks and materials to meet TEKS and graduation requirements.

- **State:** Original
- **Status:** Planned
- **Timeline:** July 2009-June 2012
- **Person(s) Responsible:** Director of Career and Technical Education
- **LEA LRPT Correlates:** EP01, EP02, EP04, EP05, LAS12, TL01, TL02, TL03, TL06, TL11
- **Courses offered, students complete courses successfully. Staff development and certification opportunities in technology applications offered to all teachers and librarians.**

### 1.1.7: Develop, fund, and sustain a computer and printer refresh program

- **State:** Original
- **Status:** Planned
- **Timeline:** 2009-2012 - 20% of Student computers - 5 year cycle 2011-2012 - 100% of teacher and administrator computers - 5 year cycle 2009-2012 - printers - as old models are determined to be not feasible to repair (NFR)
- **Person(s) Responsible:** Executive Director of Technology Services
- **LEA LRPT Correlates:** I01, I02, I04, I07, I09
- **Every teacher has a computer no older than 5 years. Student computers refreshed every 5 years but campuses may decide to retain older computers until they stop working, thereby decreasing the student:computer ratio to approach 1:1 in some situations.**

### OBJECTIVE 1.2:

Provide technology professional development to improve job performance and student achievement.

- **Budget Amount:** $298,190.10
- **LRPT category:** Educator Preparation and Development
- **E-Rate Correlates:** ER01, ER02
- **NCLB Correlates:** 01, 02, 03, 04a, 04b, 06, 11, 12

<table>
<thead>
<tr>
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</table>

https://www.sedl.org/cgi-bin/mysql/eplan/eplan.cgi?l=reportoption_composite&editplanid...
| 1.2.1: | Provide and train a technology specialist and librarian at each campus to train and assist teachers to integrate technology into all curriculum areas. | State: Original  
Status: Planned | July 2009-June 2012 | Executive Director of Technology Services, Executive Director of Curriculum and Instruction | Each campus has a technology specialist. All teachers are integrating technology into their curriculum and instruction. STaR Chart indicates increased integration of technology into all curriculum areas. |
| --- | --- | --- | --- | --- | --- |
| 1.2.2: | Provide a district master technology trainer and make classes available to all faculty and staff | State: Original  
Status: Planned | July 2009-June 2012 | Executive Director of Curriculum and Instruction, Master Trainer | At least 1,000 technology training classes per year offered |
| 1.2.3: | Provide funding for technology training, minimum of 30% of amount spent on technology hardware and software. | State: Original  
Status: Planned | July 2009-June 2012 | Executive Director of Technology Services | At least 30% of district technology budgets is set aside for training. STaR Chart indicates training takes place and is effective. |
| 1.2.4: | Provide New Teacher Induction Academy technology training for all new teachers. | State: Original  
Status: Planned | August, 2009; August, 2010; August, 2011 | Executive Director of Human Resources, Director of Library Media Resources, Technology Specialists, Librarians | New teachers receive training in the use of online administrative tools prior to the start of school each year. |
| 1.2.5: | Provide online database of lesson plans, activities, resources and best practice videos for teachers. | State: Original  
Status: Planned | July 2009-June 2012 | Executive Director of Curriculum and Instruction, Program Directors, Executive Director of Technology Services, Technology Specialists, Program Director of Library Media Services. | Online database available and dynamic. |
| 1.2.6: | Provide online staff development to augment district professional development sessions. | State: Original  
Status: Planned | July 2009-June 2012 | Executive Director of Technology Services, Executive Director of Curriculum and Instruction, Director of Technology Web Services | On-line training benchmarked, planned, developed, and available. Catalog of offerings available and dynamic. |
| 1.2.7: | Encourage participation in state and national educational technology organizations as well as training opportunities offered by these organizations. | State: Original  
Status: Planned | July 2009 - June 2012 | Executive Director of Technology Services | Memberships in Texas Computer Educators Association (TCEA), International Society for Technology in Education (ISTE), Council of School Networks (CoSN), Texas Chief Technology Officers (CTO) Council, National Educational Computing |
1.2.8: Require participation in the School Board Educator Certification (SBEC) Master Technology Teacher program.  
LEA LRPT Correlates: EP07, LAS12  
State: Original  
Status: Planned  
2009-2010 - Technology Specialists  
2010-2011 - Department Chairs  
2011-2012 - Other teachers  
Executive Director of Technology Services, Executive Director of Curriculum and Instruction  
By 2012 - 100% of technology specialists certified, 50% of department chairs, 10% of other teachers.

**OBJECTIVE 1.3:**

Provide and evaluate technology resources to achieve maximum performance

**Budget Amount** $22,716,702.72  
**LRPT category:** Teaching and Learning

E-Rate Correlates: ER01, ER02  
NCLB Correlates: 01, 02, 03, 05, 07, 08, 09, 10, 11, 12

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</table>
| 1.3.1: Participate in virtual school project to increase completion and graduation rates.  
LEA LRPT Correlates: LAS15, TL13, TL16 | State: Original  
Status: Planned | July 2009-June 2012 | Executive Director of Technology Services, Assistant Superintendent of Curriculum and Instruction, Virtual School Coordinator | Increased rate of credit recovery, completion rate, graduation rate. |
| 1.3.2: Use technology to provide intervention strategies for all students  
LEA LRPT Correlates: TL04, TL05, TL07, TL08, TL09, TL13 | State: Original  
Status: Planned | July 2009-June 2012 | Executive Director of Curriculum and Instruction, Executive Director of Special Education, Program Directors | 90% of students meet passing standards, 50% of students scoring commended performance district-wide, 85% of students passing all tests taken, 3% or less difference between student groups |
| 1.3.3: Allocate resources to achieve maximum performance.  
LEA LRPT Correlates: EP03, LAS08, TL07 | State: Original  
Status: Planned | July 2009-June 2012 | Executive Director of Technology Services | Campus and district technology plans evaluated on a three-year cycle, using key performance indicators. Best practices and opportunities for improvement identified. Best practices posted and shared. Opportunities for improvement acted upon and included in revised technology plans. |
| 1.3.4: Provide technology standards to the district that have been tested and approved, and which meet the needs of administrators, teachers, and students.  
LEA LRPT Correlates: I09, TL08 | State: Original  
Status: Planned | July 2009-June 2012 | Supervisor of Technology Support Services | Technology On-line Catalog provided and current. |
| 1.3.5: Develop and sustain partnerships with area businesses, libraries and adult literacy providers to | State: Original  
Status: | July 2009-June 2012 | Executive Director of Technology Services, Executive Director of Curriculum and | Partnerships established and evidence of assistance evaluated and documented. |
assist district, parents and community to support students at a high level of achievement.

LEA LRPT Correlates: LAS13, TL12

**OBJECTIVE 1.4:**

Integrate technology into all curriculum areas to achieve information literacy at an appropriate level for all students. Strategies previously funded.

*Budget Amount $0.00*

*LRPT category: Teaching and Learning*

E-Rate Correlates: ER01

NCLB Correlates: 01, 04a, 06, 07, 08, 11

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<tbody>
<tr>
<td>1.4.1: Librarians and technology specialists work with teachers to integrate technology into all curriculum areas so students become discerning users of the Internet, spoken word, written documents, and all other sources of information.</td>
<td>State: Original Status: Planned</td>
<td>July 2009-June 2012</td>
<td>Librarians, technology specialists</td>
<td>Students are able to cite and determine relevancy of information from a variety of sources.</td>
</tr>
</tbody>
</table>

LEA LRPT Correlates: TL14
GOAL 2: Provide a safe and secure technical environment for students and staff

OBJECTIVE 2.1:
Provide a secure network to meet local, state and federal standards and requirements

**Budget Amount**: $14,024,175.60  
**LRPT category**: Infrastructure for Technology  
**E-Rate Correlates**: ER01, ER02  
**NCLB Correlates**: 02, 03, 05, 08, 11, 12

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<tr>
<th>Strategies</th>
<th>State/Status</th>
<th>Timeline</th>
<th>Person(s) Responsible</th>
<th>Evidence</th>
</tr>
</thead>
</table>
| 2.1.1: Provide firewall to prevent intrusions into the network, from within and outside the district. | State: Original  
Status: Planned | July 2009-June 2012 | Wide Area Network Administrator, Network Architect, Director of Technology Support Services | Network is secure and free from intrusions. Network vulnerability is tested by security auditors annually. |
| 2.1.2: Provide filtering software and database subscription to protect students and staff from access to inappropriate messages and websites. | State: Original  
Status: Planned | July 2009-June 2012 | Director of Technology Support Services, Network Architect | Known inappropriate sites and message senders are denied, new inappropriate sites are added to block list as found. Requirements of Children's Internet Protection Act (CIPA) are met. |

OBJECTIVE 2.2:
Develop a disaster recovery plan to provide business and instructional continuity

**Budget Amount**: $45,000.00  
**LRPT category**: Leadership, Administration and Support  
**E-Rate Correlates**: ER01, ER02  
**NCLB Correlates**: 03, 06, 11, 12

<table>
<thead>
<tr>
<th>Strategies</th>
<th>State/Status</th>
<th>Timeline</th>
<th>Person(s) Responsible</th>
<th>Evidence</th>
</tr>
</thead>
</table>
| 2.2.1: Develop plans for disaster recovery in case of natural or man-made disaster. Of particular concern on the Gulf Coast is hurricane preparedness. | State: Original  
Status: Planned | July 2009-June 2012 | Executive Director of Technology Services, Director of Technology Information Services, Director of Technology Support Services | Offsite storage of back up of critical data contracted. Data center constructed and maintained above anticipated flood level. Data center constructed and maintained to withstand hurricane level 3 or tornado level 4 activity. Technology disaster plan published with district disaster plan. |
| 2.2.2: Develop business continuity plan | State: Original  
| July 2009-June 2012 | Executive Director of Technology Services | Business continuity process mapped and communicated. |
OBJECTIVE 2.3:

Develop a redundant network plan.

_Budget Amount $150,000.00_  
LRPT category: Infrastructure for Technology

E-Rate Correlates: ER01  
NCLB Correlates: 03, 05, 06, 12

<table>
<thead>
<tr>
<th>Strategies</th>
<th>State/Status</th>
<th>Timeline</th>
<th>Person(s) Responsible</th>
<th>Evidence</th>
</tr>
</thead>
</table>
| 2.3.1: Conduct needs analysis for redundant data and voice networks.  
LEA LRPT Correlates: LAS13, LAS14 | State: Original  
Status: Planned | July 2009-June 2010 | Executive Director of Technology Services, Director of Technology Support Services | Other districts and business benchmarked, options explored, redundant network study documented |
| 2.3.2: Benchmark area districts and businesses to determine best practices in redundancy in K12 networks. Research white papers from CoSN on topic.  
LEA LRPT Correlates: LAS13, LAS14 | State: Original  

OBJECTIVE 2.4:

Develop a help desk for faster response to administrators', teachers' and students' needs.

_Budget Amount $300,000.00_  
LRPT category: Leadership, Administration and Support

E-Rate Correlates: ER01, ER02  
NCLB Correlates: 03, 05, 06, 11, 12

<table>
<thead>
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<th>Strategies</th>
<th>State/Status</th>
<th>Timeline</th>
<th>Person(s) Responsible</th>
<th>Evidence</th>
</tr>
</thead>
</table>
| 2.4.1: Conduct needs analysis of response to work requests.  
LEA LRPT Correlates: LAS02, LAS07, LAS15, TL08, TL09, TL16 | State: Original  
Status: Planned | July 2009-December 2009 | Executive Director of Technology Services, Director of Technology Support Services | Needs analysis documented |
| 2.4.2: Benchmark other | State: January | Executive Director of Technology Services | Klein, Cy-Fair, Humble, |
### OBJECTIVE 2.4:

**Implement help desk services**

- **LEA LRPT Correlates:** LAS02
- **Status:** Original
- **Timeline:** July 2010 - June 2012
- **Person(s) Responsible:** Executive Director of Technology Services, Director of Technology Support Services
- **Evidence:** Help desk funded, appropriately staffed, and functioning.

### OBJECTIVE 2.5:

**Establish and fund an effective network refresh process.**

_Budget Amount: $22,408,661.91_  
_LRPT category: Infrastructure for Technology_

_E-Rate Correlates: ER01_  
_NCLB Correlates: 03, 05, 11_

#### Strategies

<table>
<thead>
<tr>
<th>Strategies</th>
<th>State/Status</th>
<th>Timeline</th>
<th>Person(s) Responsible</th>
<th>Evidence</th>
</tr>
</thead>
</table>
| 2.5.1: Benchmark area districts and businesses regarding network refresh cycle best practices.  
LEA LRPT Correlates: I01, I02, I03, I05, I06, I07, I08, I09 | State: Original  
| 2.5.2: Estimate costs for complete network refresh and develop appropriate cycle. Apply for e-rate funding each year for part of the district's network refresh.  
LEA LRPT Correlates: I02, LAS02, LAS04 | State: Original  
Status: Planned | July 2009-June 2012 | Executive Director of Technology Services, Director of Technology Support Services, Wide Area Network Administrator, Network Architect, E-rate Facilitator | Needs analysis conducted, cycle established, funding achieved, network refresh completed in stages on a regular cycle. |
GOAL 3: Use technology to improve communications

OBJECTIVE 3.1: Increase parent participation through communication and a welcoming environment.

Budget Amount $600,000.00
LRPT category: Leadership, Administration and Support
E-Rate Correlates: ER01, ER02
NCLB Correlates: 06, 08, 09, 10, 11

<table>
<thead>
<tr>
<th>Strategies</th>
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<th>Timeline</th>
<th>Person(s) Responsible</th>
<th>Evidence</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.1.1: Provide Parent Portal for online parent communication.</td>
<td>State: Original&lt;br&gt;Status: Planned</td>
<td>July 2009-June 2012</td>
<td>Principals, teachers</td>
<td>Increased awareness by parents of student expectations, increased student performance</td>
</tr>
<tr>
<td>Comments: Parent Portal includes student assignments, vocabulary, and weekly academic calendar.</td>
<td>LEA LRPT Correlates: I08, LAS09, LAS11, LAS13, TL14, TL15, TL16</td>
<td></td>
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</tr>
<tr>
<td>3.1.2: Provide Parent Connect for online parent communication.</td>
<td>State: Original&lt;br&gt;Status: Planned</td>
<td>July 2009-June 2012</td>
<td>Executive Director of Student Services</td>
<td>Increased awareness by parents of student attendance, grades, discipline</td>
</tr>
<tr>
<td>LEA LRPT Correlates: I08, LAS09, LAS11, LAS13, TL15, TL16</td>
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<tr>
<td>3.1.3: Provide district website.</td>
<td>State: Original&lt;br&gt;Status: Planned</td>
<td>July 2009-June 2012</td>
<td>Director of Technology Web Services, Webmaster</td>
<td>District website is available and content provides information for community and parents about district standards, awards, calendar, leadership, and district activities.</td>
</tr>
<tr>
<td>LEA LRPT Correlates: I01, I08, TL15, TL16</td>
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<tr>
<td>3.1.4: Provide campus websites.</td>
<td>State: Original&lt;br&gt;Status: Planned</td>
<td>July 2009-June 2012</td>
<td>Director of Technology Web Services, Principals</td>
<td>Each campus has website and content is current. Parents and community have access via campus website to campus activities and information.</td>
</tr>
<tr>
<td>LEA LRPT Correlates: I08, LAS14, TL15, TL16</td>
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<tr>
<td>3.1.5: Provide teachers’ web pages linked to district, campus website.</td>
<td>State: Original&lt;br&gt;Status: Planned</td>
<td>July 2009-June 2012</td>
<td>Director of Technology Web Services</td>
<td>80% of teaching staff have personal web page and it is kept current.</td>
</tr>
<tr>
<td>LEA LRPT Correlates: I08, LAS14, TL15, TL16</td>
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<tr>
<td>3.1.6: Publish monthly online technology newsletter.</td>
<td>State: Original&lt;br&gt;Status: Planned</td>
<td>July 2009-June 2012</td>
<td>Executive Director of Technology Services</td>
<td>Monthly newsletter published online and available globally.</td>
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<tr>
<td>LEA LRPT Correlates: I08, LAS14, TL15, TL16</td>
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<tr>
<td>3.1.7: Provide opportunities for parents to participate through communication and a welcoming environment.</td>
<td>State: July 2009</td>
<td>Executive Director of Technology Services</td>
<td>Parents enrolled in campus or...</td>
<td></td>
</tr>
</tbody>
</table>
OBJECTIVE 3.2:

Provide technologies and training for parents. Strategies and technologies previously funded.

*Budget Amount $0.00*

*LRPT category: Leadership, Administration and Support*

E-Rate Correlates: ER01, ER02  
NCLB Correlates: 02, 04b, 08, 09, 10

<table>
<thead>
<tr>
<th>Strategies</th>
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</thead>
</table>
| 3.2.1: Provide a computer in every school library exclusively for the use of parents  
*LEA LRPT Correlates: I05, I08, LAS01, LAS02, LAS03, LAS09, LAS11, LAS13, TL10, TL11, TL14, TL15* | State: Original  
Status: Planned | July 2009-June 2012  
Executive Director of Technology Services | Computer available and labeled for parent use. Parent use of computer tracked by campus librarian. |
| 3.2.2: Area county and city librarians trained to assist parents in accessing district website, Parent Connect, and Parent Portal.  
*LEA LRPT Correlates: I02, LAS13, TL08* | State: Original  
Status: Planned | July 2009-June 2012  
Program Director of Library Media Services | Librarians trained, parents notified of availability of district online services at county and city libraries. |
| 3.2.3: Conduct parent technology training at all campuses.  
*LEA LRPT Correlates: I08, LAS09, LAS11, LAS13, TL14, TL15* | State: Original  
Status: Planned | July 2009-June 2012  
Technology Specialists | Technology training sessions scheduled and marketed to parents. |

OBJECTIVE 3.3:

Survey stakeholders annually to determine levels of satisfaction and opportunities for improvement. Strategies previously funded. Surveys are constructed and evaluated in-house.

*Budget Amount $0.00*

*LRPT category: Leadership, Administration and Support*

E-Rate Correlates: ER01  
NCLB Correlates: 11

<table>
<thead>
<tr>
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<th>Evidence</th>
</tr>
</thead>
</table>
| 3.3.1: Survey technology services employees annually to determine job satisfaction and opportunities for  
*| State: Original  
Status: Planned | March - May 2010  
March - May 2011  
Executive Director of Technology Services | Survey conducted and analyzed. Results graphed and posted. Opportunities for improvement included in revisions of technology plan. |
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<td>Executive Director of Technology Services</td>
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<tr>
<td>Executive Director of Technology Services</td>
<td>Discussion group dynamic and input useful. All district peer reviews examined for technology component. District technology plan reviewed and revised annually to reflect needs of district and community. Budget revised annually to reflect needs specified in the technology plan.</td>
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</table>

**OBJECTIVE 3.4:**

Provide communication tools to all district employees

*Budget Amount $3,490,500.00*

*LRPT category: Infrastructure for Technology*

*E-Rate Correlates: ER01*

*NCLB Correlates: 01, 03*
<table>
<thead>
<tr>
<th>Strategies</th>
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<th>Timeline:</th>
<th>Person(s) Responsible:</th>
<th>Evidence:</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.4.1: Provide landline telephone services to the district</td>
<td>State: Original Status: Planned</td>
<td>July 2009-June 2012</td>
<td>Executive Director of Technology Services, Director of Technology Support Services, Administrative Assistant for Telecommunications and Construction</td>
<td>Dial tone</td>
</tr>
<tr>
<td>LEA LRPT Correlates: I01</td>
<td></td>
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</tr>
<tr>
<td>3.4.2: Provide walkie-talkie, BlackBerry, and/or cellular service to specific support staff and administrators to improve job performance and cycle time.</td>
<td>State: Original Status: Planned</td>
<td>July 2009-June 2012</td>
<td>Executive Director of Technology Services, Director of Technology Support Services</td>
<td>Devices checked out and in use</td>
</tr>
<tr>
<td>LEA LRPT Correlates: I01, LAS14</td>
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</table>
## Budget

Total amount of Title II, Part D formula funds received for the current year of this plan: $197,989.00

Method of application for formula funds: Local Application

### Budget year 2009

<table>
<thead>
<tr>
<th>Budget item</th>
<th>Cost</th>
<th>Funding Sources with amount per source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Staff Development</td>
<td>$3,981,796.70</td>
<td>Tech Svs Local - $89,500.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Title II Part D - $59,396.70</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Salaries (tech specs) - $3,832,900.00</td>
</tr>
<tr>
<td>Telecommunications &amp; Internet Access</td>
<td>$950,000.00</td>
<td>Tech Svs Local - $158,000.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>E-rate - $792,000.00</td>
</tr>
<tr>
<td>Materials &amp; Supplies</td>
<td>$8,920,887.13</td>
<td>Tech Svs Local - $2,574,209.13</td>
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<tr>
<td></td>
<td></td>
<td>E-rate - $6,346,678.00</td>
</tr>
<tr>
<td>Equipment</td>
<td>$3,575,340.00</td>
<td>Tech Svs Local - $969,600.00</td>
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<tr>
<td></td>
<td></td>
<td>State Tech Allottment - $1,620,000.00</td>
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<td>New School Bond - $985,740.00</td>
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<tr>
<td>Maintenance</td>
<td>$6,743,346.28</td>
<td>Tech Svs Local - $2,967,225.04</td>
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<td>E-rate - $1,279,797.00</td>
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<tr>
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<td>Salaries (Tech Svs) - $2,496,324.24</td>
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<tr>
<td>Miscellaneous Expenses</td>
<td>$22,700.00</td>
<td>Tech Svs Local - $22,700.00</td>
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<td>Total</td>
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### Budget year 2010

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<th>Budget item</th>
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<td></td>
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<td></td>
<td>State Tech Allottment - $1,620,000.00</td>
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<td></td>
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<td>New School Bond - 2,171,480</td>
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<tr>
<td>Maintenance</td>
<td>$6,743,346.28</td>
<td>Tech Svs Local - $2,967,225.04</td>
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<td>Miscellaneous Expenses</td>
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<td>Tech Svs Local - $22,700.00</td>
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<td>Total</td>
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### Budget year 2011

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<tr>
<td>Category</td>
<td>Amount</td>
<td>Sources</td>
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<td>Total</td>
<td>$24,822,810.11</td>
<td>Tech Svs Local - $22,700.00</td>
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Evaluation

Evaluation Process:
Aldine Independent School District will complete a comprehensive evaluation of the technology plan annually. The evaluation will include a complete inventory and evaluation of the targets established within the plan. Further, key performance indicators (KPI) will be evaluated quarterly and reported to the superintendent of schools, area superintendents and all members of the technology planning committee. Campus locations will be required to submit a technology plan annually that includes an evaluation component. This evaluation will be included in the annual comprehensive evaluation as well as the annual peer/self review. The Executive Director of Technology Services is responsible for evaluating the plan. The Technology Plan Committee, supervised by the Executive Director of Technology Services will be responsible for updating the plan. Evaluation findings and proposed revisions will be documented and communicated to the Superintendent and her cabinet and then to the Board of Education. Best practices will be documented and reported to the Superintendent and her cabinet and then to the Board of Education.

Evaluation Method:
Integrating technology into curriculum and instruction -
Student achievement on standardized tests
75% of lesson plans include technology integration
40 hours of training per year, including 10 hours of technology training for each teacher

Increasing the ability of teachers to teach -
10 hours of technology training per year for each teacher
100% technology specialists certified as master technology teachers
30% department chairs certified as master technology teachers
10% teachers certified as master technology teachers

Enabling students to meet challenging state academic standards -
90% students meet passing standards
50% students commended performance
85% students pass all tests
3% gap between student groups
100% campuses meet AYP
95% graduates Texas Scholars

Acquiring and deploying technologies and telecommunciations services
100% E-rate applications meet funding requirements
3 major technology grants per year funded
100% administrative computers refreshed every 5 years
20% student computers refreshed each year on a 5 year cycle
10% of the network refreshed each year on a 10 year cycle

Meeting timelines for implementation
100% of projects meet milestones
100% of projects have a project planner
Cycle times meet district guidelines

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