



School Board

Technology Department Overview

November 14, 2017

Jose Muñoz Jr
Chief Technology Officer

<https://goo.gl/piL5aU>

Technology Staff

Jose Muñoz Jr

Chief Technology Officer

Corina Lopez

Technology Secretary

Office Location: De Luna Center



CTO Roles

Assist in the creation, implementation, and enforcement of policies and educational programs relating to the social, legal, and ethical issues related to technology use throughout the district.



Technology Services

Technology provides 4 major services:

Abner Chavez, Network Services Manager

Humberto Duran, Webmaster

Daniella Byrne, Public Information Officer

Broadcast Services - iVision



Computer Services Staff

Lino Melchor and Eduardo Treviño Jr - Microcomputer Technicians

Computer Services has 9 Technicians:

Steven Overturf

Santos Garcia

Troy McLean

Leonardo Trevino

John De Leon

Aldo Gonzalez

David Martinez



Broadcast Services Staff

Broadcast Services is made up of 4 Technicians:

Izhar Mauricio

Reynaldo Ruiz

Cesar Chavez

Vacant Position

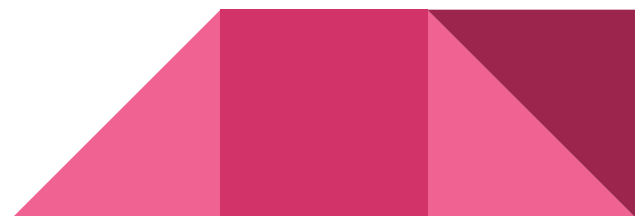


Tech Support

Tech support is provided for district instructional and non-instructional technology equipment. Support requests are tracked and prioritized.



Technician	Monday	Tuesday	Wednesday	Thursday	Friday
*Lino Melchor	CC Winn/District Service Center	CC Winn/FCRTC	CC Winn/District Service Center	CC Winn/SAC	CC Winn/District Service Center
Santos Garcia	Rosita Valley Literacy Academy	Rosita Valley Elementary	Sam Houston Elementary	Perfecto Mancha Elementary	Rover**
David Martinez	Memorial Junior High	Ray Darr Elementary	Memorial Junior High	Henry B. Gonzalez Elementary	Memorial Junior High
Steven Overturf	Rover**	De Luna	San Luis Elementary	Benavides Elementary	Robert E Lee Elementary
Troy MClean	Memorial Junior High	Armando Cerna Elementary	Rover**	Language Development Center	Multiplex
*Eduardo Trevino	EPHS/Day Care	EPHS/District Service Center	EPHS/Health Services	EPHS/District Service Center	EPHS
John De Leon	Kirchner Elementary	Pete Gallego Elementary	Seco Mines Elementary	Rover**	Glass Elementary
Leo Trevino	Eagle Pass Junior High	Rover**	Eagle Pass Junior High	Liberty Elementary	Eagle Pass Junior High
Aldo Gonzalez	DAEP/Parent Center	Early Childhood Center	Kennedy Hall	Graves Elementary	Rover**



Hardware Selection & Use

All hardware requests are made through the online purchase order system and approved by the Technology Department. Hardware includes all technology equipment, including but not limited to, computers, printers, cameras, projectors, smart boards, etc...



Hardware Equipment Supported

1. 6500 Computers & Laptops
2. 1500 Apple Devices
3. 2000 Printers, Scanners, and Copiers
4. 635 Intelligent Classroom




Software Selection & Use

Only approved software is installed on district computers. The technology department reviews all software requests and maintains an approved software list.



Computer Approved Software

- **Microsoft OFFICE:** Word, Excel, PowerPoint, Access and Outlook
 - **iLife:** iMovie, iPhoto, iTunes, iDVD, GarageBand, iChat
 - **Adobe Creative Suite:** Acrobat Pro, Contribute, SoundBooth, Premiere
 - **iWork:** Pages, Numbers and Keynote
 - **iStation**
 - **Adobe Acrobat Reader/Professional**
 - **Shockwave, Flash, Java**
 - **Intelligent Classroom:** Qwizdom Connect, Active Inspire, AverMedia
- 

Computer Approved Software


- **Accelerated Reader & Accelerated Math**
- **Waterford**
- **CEI: ESL Learning Solution**
- **Inspiration: Concept Mapping (8-12)**
- **Kidspiration: Concept Mapping (1-6)**



Computer Approved Software

- **testNAV & TELPAS:** Online Assessment
- **MECA:** Special Education Assessment
- **Reading Assesment**
- **HeartBeeps**
- **mClass:** TPRI, Tejas Lee Spanish Reading Assessment
- **PrintShop**
- **TeachScope:** Data-Driven, Outcome-Based Software Solution
- **STAR:** English Literacy, Reading, Math (K-12)
- **Follett Library Circulation Software**

Computer Approved Software

- **Follett Library Circulation Software**
 - **Enginuity:** Credit Recovery
 - **Reading Assistant**
 - **Class IEP**
 - **FitnessGram (Physical Education Assessment)**
 - **Etrition:** Food Service Accountability
 - **Rosetta Stone:** Parent Center
 - **EduSmart:** Science Software
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Web-based Approved Software

Here's a small sample of web-based approved software:

- **iTCCS:** Information Management System for Business, Student and HR
- **txGradebook:** Student Information, GradeBook, Attendance, Schedules
- **txConnect:** Parent Portal to Access their Children's txGradebook Information
- **Eduphoria:** Student Benchmark Testing
- **Accelerated Reader Enterprise**
- **Follett Destiny:** Library Circulation
- **Texas STaR Chart:** School Technology and Readiness Assessment
- **District Solutions:**

Data Management Services

Data collection of schemes, tables, queries, reports, views and other objects for the following, including but not limited to:
Google Apps

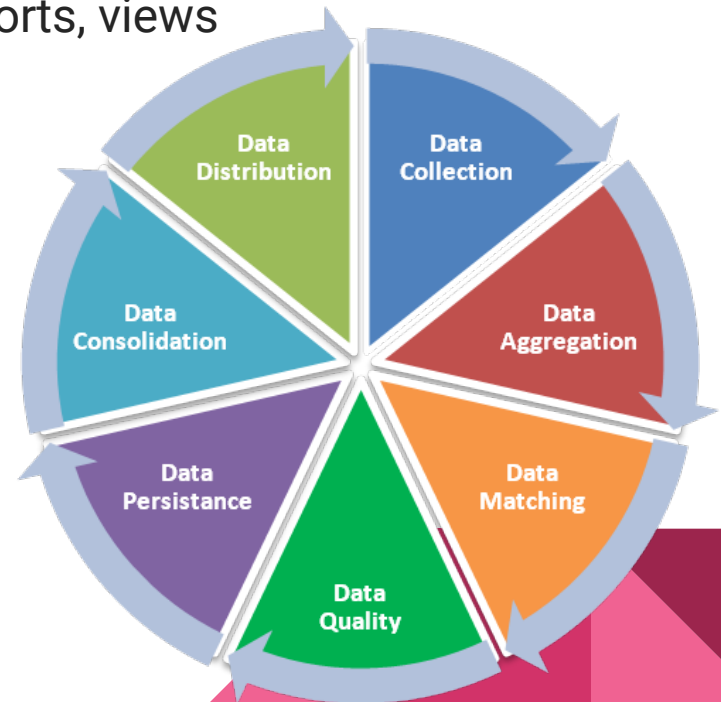
iStation

Imagine Math

Stemscopes

Accelerated Reader

Destiny Library Circulation



Network Procedures & Use

Each staff member has a personal network account which is password protected. Accounts are made available after the staff member signs an Acceptable Use Policy (AUP) agreement.




Network Services & Support

1. Active Directory Services

- a. DNS, DHCP, WINS
- b. Account Creation, Password Resets

2. Wide Area Network (27 Sites)

- a. GIGAMan (1 Gbps) – Secondary Campuses
 - b. CSME (100 Mbps) – All Other Campuses and Sites
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Network Services & Support

3. Local Area Networks (29 Sites)
 - a. Cisco Routers (45)
 - b. Cisco Switches (325)
 - c. Cisco Wireless Access Points (461)




Network Services & Support

4. Internet Access
 - a. ISP Connection - Spectrum (1 Gbps)
 - b. Internet Filter (iBoss)
 - i. Daily Monitoring
 - ii. Reporting
 - c. Application Layer Switch (Exinda)
 - i. Daily Monitoring and Reporting



Network Services & Support


5. Network Security
 - a. Firewall (Cisco ASA 5500 Primary & Secondary)
 - b. Virtual Private Network
 - c. Malwarebytes
 - d. DMZ (demilitarized zone)
 6. Voice Over IP
 - a. Call Managers (Subscriber & Publisher)
 - b. Unity Server (Voice Mail Server)
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Network Services & Support

E-Mail Services

1. Google Gmail Services
 - a. Creation of E-Mail Accounts for Staff
 - b. Updating Directory Information
 - c. Re-setting E-Mail Account Passwords

Region 20 Support

1. Mainframe Connectivity - iTCCS & Passport E-Client
 2. T1 Point-to-Point (1.54 Mbps)
 3. ODBC Connectivity and Discoverer Reporting (Data Access)
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Website Services

1. Maintain External and Internal Web Servers (Linux & Windows)
 2. Website Design and Maintenance (HTML, CSS, JavaScript, jQuery)
 - a. Relational Database
 - b. LAMP (Linux, Apache, MySQL, PHP)
 - c. WAMP (Windows, Apache, MySQL, PHP)
 3. Maintain Website Content
 - a. Department Information/Link Updates
 - b. Banner Updates
 - c. Design and Creation of Graphics
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E-Rate Program

E-Rate makeover

Additional \$1.5 billion in funding

Since 1998 E-Rate has provided deep discounts on telecommunications services, internet access and internal building connections to K-12 schools and public libraries.

Old E-Rate package

PRIORITY 1

Requests for these services received priority funding.



Telecom



Email and web
hosting



Internet
access

PRIORITY 2

These needs were rarely met because Priority 1 services exhausted the funds.



Internal connections
Routers, cables, LAN
controllers, access
points, VoIP equipment
and basic maintenance

E-Rate Program

New E-Rate package

CATEGORY 1

(formerly Priority 1)

ELIMINATED



Telecom

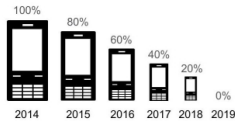


Email and web hosting

RETAINED



Internet access



Telecom services will be phased out by 20% each year.

CATEGORY 2

(formerly Priority 2)



Wi-Fi will get increased support with a target of \$1 billion per year.

FUNDING FORMULA

85% Max discount for districts

\$150 Per student

\$9,200 Funding floor per school

What it means for your school

MORE DOLLARS TO GO AROUND



\$1.5 billion in additional funding for the E-Rate program, almost \$4 billion total



More students and educators connected