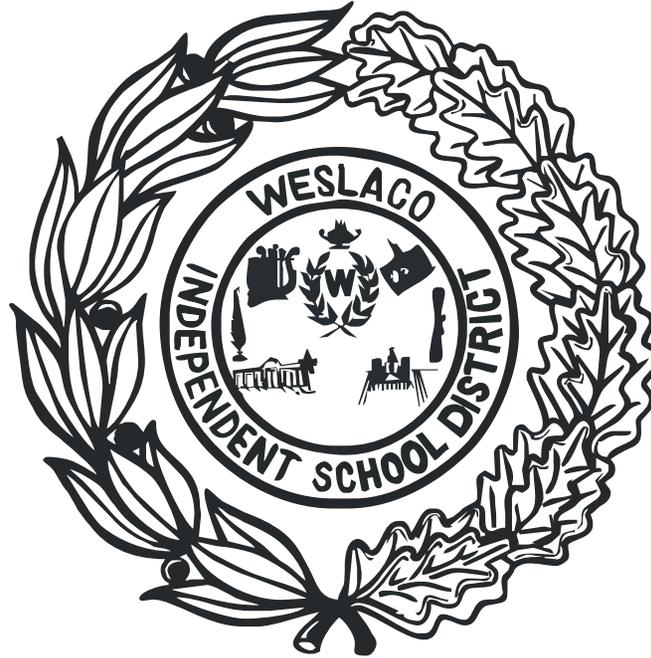# Weslaco Independent School District

# Technology

# Department



# 2014 - 2015 Student Achievement Improvement Plan

# Dr. Ruben Alejandro, Superintendent of Schools

**DISTRICT MISSION STATEMENT:**

The Mission of WISD, based on the Principles of growth, integrity, honesty, Human dignity and service, is to affirm individuality and interdependency as we

• Facilitate the acquisition, and application of academic, career and technology expertise,
• Inspire lifelong learning,
• Recognize and foster the creativity and talents of each unique talents of each unique individual, and
• Enkindle individual, social, civic; and global responsibility so that our students gain and develop the capacity to make sense of and positively shape the future.

**DISTRICT VISION:**

WISD students are empowered 21st century learners with effective communication, critical-thinking, and problem-solving skills they can adapt for success in higher education and the diverse global market place. Students are engaged in learning through real-world opportunities that extend beyond the classroom and the school day. All WISD staff members are committed to facilitating and inspiring student learning and creativity; designing and developing digital-age learning experiences; and modeling digital-age work, citizenship, and responsible learning by engaging in continuous professional growth and leadership.

## DISTRICT TECHNOLOGY GOALS:

**Goal 1:** Establish and maintain a robust computer network infrastructure that will support the learning process.

**Goal 2:** Provide adequate leadership, administrative and instructional support to ensure that technology has maximum impact on student success.

**Goal 3:** Ensure that all educators have access to high quality professional development appropriate tools to model and implement 21st century learning.

**Goal 4:** Students will be engaged in 21st century learning and use a variety of technology tools to enhance and enrich their learning experiences.

# Needs Assessment

## 2014 - 2015

**Data Sources:**
Student Achievement Data
Staff Development Records
The National Educational Technology Plan and Texas Long Range Plan for Technology
The 2014 K12 Horizon Report
Unleashing the Potential of Technology in Education (BCG Report)
ISTE NETS standards for teachers, administrators, and students
The LoTi survey and instructional framework
NetDay Student Survey Results
Surveys of teachers, students, and administrators

**Areas of Strengths:**
**Instructional Technology**
Teachers and students have access to a wide variety of technology hardware, software, and online resources.
We have an established instructional framework in place to guide the use of technology for teaching and learning.
The district BYOT program has increased opportunities for student learning with technology.

**Administrative Technology**
Access to data for all stakeholders is available through the Eduphoria system and our District Reporting System.

**Infrastructure**
We have a very robust network infrastructure.
We are staying on the cutting edge by moving to virtualization of our server system.

**Areas of Weaknesses:**
Increased opportunity for students to use computers on a daily basis is needed.
Technology use needs to have stronger content area connections.
Student Technology application TEKS implementation is limited.
Student mastery of Technology Application TEKS is limited.
Online learning is currently under utilized.
Increased professional development opportunities related to technology integration are needed.
Many educators do not meet the SBEC Technology Application Standards.

# High Priority Areas for 2014- 2015

- Continue to provide training to all teachers in the district target areas of: Edmodo, Moodle, Flipped Classroom, Google Apps, Project Based Learning, and Digital Story Telling.

- Increase student technology proficiency

- Continue to implement the Google Apps for Education program to increase collaborative learning opportunities

- Increase opportunities for students to use technology for creative projects

- Increase Teacher capacity in the area of integrating technology to increase student engagement and learning

- Increase E-learning opportunities for teachers and students

- Continue to develop the District Reporting System

- Continue to implement and support the district Server Virtualization Project

- Expand District Robotics Program

- Increase the innovative use of mobile technologies for teaching and learning

- Develop a district STEAM (Science, Technology, Engineering, Arts/Design, and Mathematics) summer program

# Continuing Initiatives (District Wide)

- Continue to support and promote our district Bring Your Own Technology (BYOT) program

- Maintain a State-of-the-Art network infrastructure including redundancy of critical systems

- Implementation of VOIP  (Voice Over Internet Protocol) Telephony

- District LoTI (Levels of Teaching Innovation) Framework to guide the use of instructional technology

- District robotics program

- District e-learning environment for teachers and students via Edmodo, Moodle, and Google Classroom

- Cellular phones for key staff

- Internet safety education for all staff and students

- Continue to use the Eduphoria Suite of products for managing PDAS, staff development, curriculum development and benchmark assessments

- Web content management system for campus and district web sites

- Adobe Connect online webmeeting system to increase the opportunities for e-learning

- Continue to build campus capacity through the Innovative Teaching Task Force (ITTF) members

- District-Wide technology day workshops for all instructional staff.

# New Initiatives (District Wide)

- Implementation of the Google Classroom Learning Management System (LMS) for entire district

- Development and implementation of a summer STEAM ((Science, Technology, Engineering, Arts/Design, and Mathematics) program

# WESLACO ISD Technology Plan for E-Rate Year 17

## 2014 - 2015

Dr. Ruben Alejandro

SUPERINTENDENT

**EXECUTIVE SUMMARY**

**Purpose**
Weslaco ISD has prepared this Technology Plan to articulate a common vision for technology in the district and identify the strategies that will help us use advanced technology to improve the academic achievement, including technology literacy, of all students. We intend to accomplish this through rigorous curriculum standards that develop critical thinking skills that are essential for academic and workplace success. At the core of this initiative is our sustained effort to build the capacity of all teachers to integrate technology effectively into curriculum and instruction.

**Background**
This plan is based on information drawn from many sources including:

- The National Educational Technology Plan and the Texas Long Range Plan for Technology
- The 2014 K12 Horizon Report
- ISTE NETS standards for teachers, administrators, and students
- The new Technology Application TEKS
- The LoTi survey and instructional framework
- Surveys of teachers, students, and administrators.

**Vision Statement**
WISD students are empowered 21st century learners with effective communication, critical-thinking, and problem-solving skills they can adapt for success in higher education and the diverse global market place. Students are engaged in learning through real world opportunities that extend beyond the classroom and the school day. All WISD staff members are committed to facilitating and inspiring student and creativity; designing and developing digital-age learning experiences; and modeling digital-age work, citizenship, and responsible learning by engaging in continuous professional growth and leadership.

**Mission Statement**
The Mission of WISD, based on the Principles of growth, integrity, honesty, Human dignity and service, is to affirm individuality and interdependency as we

• Facilitate the acquisition, and application of academic, career and technology expertise,
• Inspire lifelong learning,
• Recognize and foster the creativity and talents of each unique talents of each unique individual, and
• Enkindle individual, social, civic; and global responsibility so that our students gain and develop the capacity to make sense of and positively shape the future.

**Student Technology Application Standards**

The state of Texas recently adopted new technology applications standards.

The technology applications curriculum has six strands based on the National Educational Technology Standards for Students (NETS•S) and performance indicators developed by the International Society for Technology in Education (ISTE): creativity and innovation; communication and collaboration; research and information fluency; critical thinking, problem solving, and decision making; digital citizenship; and technology operations and concepts.

Through the study of the six strands in technology applications, students use creative thinking and innovative processes to construct knowledge and develop products. Students communicate and collaborate both locally and globally to reinforce and promote learning. Research and information fluency includes the acquisition and evaluation of digital content. Students develop critical-thinking, problem-solving, and decision-making skills by collecting, analyzing, and reporting digital information. Students practice digital citizenship by behaving responsibly while using technology tools and resources. Through the study of technology operations and concepts, students learn technology related terms, concepts, and data input strategies.

The plan stresses the importance of ongoing and sustained staff development in the integration of technology into the curriculum for teachers, principals, administrators, and school library media personnel to further the effective use of technology in the classroom or library media center. It also is consistent with the recommendations for LEAs as defined by the Texas Long-Range Plan for Technology in the areas of Teaching and Learning, Educator Preparation and Development, Administration and Support Services, and Infrastructure for Technology, as well as the e-rate applications guidelines, and other state standards.

**Teacher Technology Standards**

We have adopted the ISTE NETS standards for teachers (NETS-T) as our standard system for teacher 21st Century Learning preparation:

1. Facilitate and Inspire Student Learning and Creativity
2. Design and Develop Digital Age Learning Experiences and Assessments
3. Model Digital Age Work and Learning
4. Promote and Model Digital Citizenship and Responsibility
5. Engage in Professional Growth and Leadership

**NEEDS ASSESSMENT**
**Assessment Process:** The effectiveness of our efforts is measured in various ways.

1.  State test results and reports are an important factor for identifying successful practices. The feedback they provide assist campuses and departments in re-evaluating policies, programs, and practices in a manner that result in high quality decision making about the need to continue or modify efforts.
2.  Star Chart data was collected from every teacher and used to determine how we measure up to standards for technology readiness.
3.  LoTi (Levels of Teaching Innovation) Digital Age Survey Data.
4.  Our District Reporting Systems (DRS), which was developed in-house by our district programming staff is providing us with detailed data about student achievement and allowing us to target specific groups of students with instructional technology solutions.
5.  Student opinion also forms part of our assessment process. Nearly 13,000 Weslaco ISD students completed the Net Day Speak Up survey in 2013-14. This provides data on what students think is important about educational technology and education in general.

**Existing Conditions:**
**Infrastructure and Telecommunications**

**Wide Area Network:**

All of our campuses and departments will be connected via a redundant 10GB fiber ring. This ensures reliable high-speed connectivity throughout the district.

**Network Attached Storage (NAS) system**:

We currently have a district-wise NAS system that makes student work available from anywhere in the district also increases our need to maintain a robust network.

**Internet Access:**

Weslaco ISD currently uses 2 Internet Service Providers (ISP).  To meet the increase in bandwidth needs required to support our instructional program we have added additional bandwidth this year.  Our Internet bandwidth is currently at a max of 1.0 Gbps. This is double the amount we had in place at the beginning of last year. Proper management of bandwidth usage is controlled through the use of a packet-shaping utility, which helps us limit the chances of over-subscription of the existing bandwidth.

**Telecommunications**:

We utilize both traditional phone systems and Voice Over IP. We are moving away from traditional and towards the VOIP solution. We have implemented a cell phone based district communication system to keep key staff members in the communication loop.

**Overview of Current Video Conferencing Systems:**

Each elementary and secondary level campus currently possesses at least one H.320/H.323 compatible video-conferencing system capable of meeting the minimum district transmission standard of 384 kbps (H.323). The current equipment is a Lifesize Room 220 system, which is a very modern system capable of supporting high definition conferencing.

Participation in a Region One Distance Learning Cooperative is also planned for 2014-2015. This will help us keep connected with important distance learning opportunities and will also provide some much needed professional development related to distance learning.

**Overview of Current Video Distribution Systems:**

Each campus also has a VBrick media distribution system that allows campuses to push instructional content out to the classrooms via the campus network. Each campus also has a portable streaming VBrick equipment to make it even easier to create and share content on the go. We are maintaining service contracts on the key components of the VBrick system to ensure that it stays operational.

**Overview of Current Web-based Distance Learning Systems:**

Weslaco ISD has implemented a web-based Learning Management System (LMS) that allows asynchronous and synchronous course delivery for students and staff members. This system is based on the Open Source product Moodle and allows our students and staff to participate in online learning similar to what is available on University systems such as Blackboard, WebCT, etc.

In addition to Moodle we have an edmodo domain portal that also supports elearning. Our approach is to provide teachers the choice to use the system that best fits their instructional needs.

A new Google Apps Education LMS product has recently become available. The "Google Classroom" system is free and offers easy sharing of resources, collection and grading of assignments, etc. We are evaluating this product and intend to implement it this year.

**Overview of Current Hardware/Peripherals:**

- Nearly 10,000 computers district-wide
- There are now over 1,400 Google Chromebooks in use within the district
- 1 district staff development moodle server and 7 moodles for students (1 for each secondary and 1 that is shared among elementary campuses)
- Interactive whiteboard technologies including 375 Interwrite schoolpads and 100 Smartboards
- Approximately 100 personal response systems
- Digital technologies including cameras, camcorders, podcasting microphones, scanners, etc. at each campus
- 3000 ipads and 700 ipod touch devices

- 250 Lego Mindstorms NXT robotics kits
- 45 Lego Mindstorms EV3 kits
- 155 Lego Wedo robotics kits

**Overview of Current Software:**

- District licensing for Kidspiration and Inspiration electronic mind mapping software
- MS Office on every computer
- 3,000 licenses of Comic Life 3 which allows students to create comic book style documents
- Site Licenses for Adobe Creative Suite 6 at each secondary
- Site Licenses for Podcast Podium on each K -5 campus
- Scholastic Keys licenses for each K -2 computer
- K-5 site licenses for Type to Learn 4 for keyboarding instruction
- District-wide licensing for NXT and EV3 programming software
- District-wide licensing for Air Server program that allows mirroring of ipad content to the LCD Projectors

**Specialized student programs:**

- Apple Final Cut Pro training/certification program at Calvillo CTE Center
- Adobe Certified Associate (Photoshop) program at WHS
- MOS (Microsoft Office Specialist) certification program at each high school
- Net+, A+, certification programs at Calvillo CTE Center

**Identified Technology Needs:**
District areas of need (as examined from Star Chart,LoTI data, Netday Speakup Student Survey, other sources)include:

Teaching and Learning:

- Patterns of classroom use need to become more student centered.
- Technology use needs to have stronger content area connections.
- Technology application TEKS implementation is limited.
- Student mastery of Technology Applications is limited.
- Increased opportunities for student online learning are needed

Educator Preparation & Development:

- Increased professional development opportunities related to technology integration are needed.
- Additional PD for online learning is needed.

Leadership, Administration, & Instructional Support:

- More instructional support for technology integration is needed.

Infrastructure:

- Additional Wireless infrastructure is needed to meet additional demands of the BYOT program.
- More classroom computing devices are needed.

LoTi Digital Age Survey;

- The greatest obstacle to the integration of technology is the time to learn, practice, and plan.
- Our greatest professional development need is in the area of student-centered learning and creativity.
- 55% of our teachers indicated that they felt they functioned in the lower levels (0-2) of the LoTi Framework.
- 21% of our teachers self-assessed themselves at the proficient level of the National Education Technology Standards for Teachers (NETS-T)

NetDay Speakup 2013/14 survey

- Increased opportunity for students to use computers on a daily basis.
- Continue to increase opportunities for students to use their own mobile devices in the learning process.
- Re-evaluate policies that may unnecessarily restrict student access to educational technology

Technology Literacy Assessment Data

- 49% of 8th graders were at the proficient level on 2013-14 technology literacy assessment
- 38% of 5th grade students were at the proficient level on 2013-14 technology literacy assessment

**GOALS, OBJECTIVES, AND STRATEGIES**

**Goal 1: Establish and maintain a robust computer network infrastructure that will support the learning process.**

**Objective 1.1:** Provide direct Internet and network access to each classroom.
Budget for this objective: $270,070

> **Strategy 1.1.1:** Campuses will be linked to district data network using routers, switches and related data transport equipment necessary to provide 100 megabit services to the end user computers.
> Person(s) Responsible: Director of Technology Support
>
> **Strategy 1.1.2:** Update/replace cabling, network hardware, and equipment as needed to maintain a reliable network.
> Person(s) Responsible: Director of Technology Support
>
> **Strategy 1.1.3:** Maintain adequate Internet bandwidth to support access to online learning.
> Person(s) Responsible: Internet Systems Manager

**Objective 1.2:** Provide wireless access from all locations within each campus.
Budget for this objective: $434,931

> **Strategy 1.2.1:** 802.11 wireless access points (WAPS) and management tools will be budgeted, purchased, maintained, and placed in strategic locations to ensure complete campus coverage for wireless services.
> Person(s) Responsible: Director of Technology Support

**Objective 1.3:** All campuses will be equipped with at least a 10 gigabit LAN backbone connected to a 10 gigabit MAN.
Budget for this objective: $58,090

> **Strategy 1.3.1:** Use Indefeasible Right of Use Swap with a local telecommunications provider to provide fiber connectivity to the 4 campuses that are not connected to district fiber.
> Person(s) Responsible: Executive Director of Technology
>
> **Strategy 1.3.2:** Maintain the network equipment that supports the 10 gigabit connections.
> Person(s) Responsible: Internet Systems Manager, Director of Technology Support

**Objective 1.4:** All required infrastructure components will be maintained under maintenance contracts.
Budget for this objective: $155,341

> **Strategy 1.4.1:** Purchase maintenance plans for eligible servers, telecommunication equipment, and network equipment.
> Person(s) Responsible: Director of Technology Support,  Internet Systems Manager

> **Strategy 1.4.2:** Purchase maintenance contracts for repair of network fiber optic cabling.
> Person(s) Responsible: Director of Technology Support

> **Strategy 1.4.3:** Purchase maintenance plan for Vbrick Video distribution equipment
> Person(s) Responsible: Director of Instructional Technology

> **Strategy 1.4.4:** Provide funds to replace/maintain Lifesize Video equipment.
> Person(s) Responsible: Director of Instructional Technology

**Objective 1.5:** Maintain a state-of-the art telecommunications network to provide communications to and between district and campus stakeholders.
Budget for this objective: $218,824

> **Strategy 1.5.1:** Continue to implement and expand Voice over IP systems by adding phones and updating Call Manager and Unity systems.
> Person(s) Responsible: Telecommunications Specialist

> **Strategy 1.5.2:** Maintain telecommunications services, systems, and circuits (including POTS and long distance) to ensure high quality voice communications.
> Person(s) Responsible: Telecommunication Specialist

> **Strategy 1.5.3:** Provide cell phones to essential district staff to ensure the capability for instant communication.
> Person(s) Responsible: Executive Director of Technology, Telecommunications Specialist

**Objective 1.6:** Maintain a hosted district web content management system for the purpose of publishing web pages.
Budget for this objective: $13,200

> **Strategy 1.6.1:** Renew web hosting service to ensure that all teachers, campuses, and district departments have a web page.
> Person(s) Responsible: Internet Systems Manager

**Objective 1.7:** Maintain a means for students to store and retrieve electronic work from any location in the district.
Budget for this objective: $6,000

> **Strategy 1.7.1:** Upgrade, repair, and replace NAS storage devices to maintain 100% access by all students.
> Person(s) Responsible: Director of Technology Support

**Objective 1.8:** All campuses will have access to video conference equipment for the purpose of participating in distance learning events.
Budget for this objective: $13,050

> **Strategy 1.8.1:** Maintain membership in Region 1 distance learning consortium to provide access to instructional content.
> Person(s) Responsible: Director of Instructional Technology

> **Strategy 1.8.2:** Provide training to campus staff on use of videoconferencing equipment and resources
> Person(s) Responsible: Campus Technology Coordinators, Director of Instructional Technology

**Objective 1.9:** Utilize network infrastructure to distribute educational video content.

> **Strategy 1.9.1:** Utilize the Vbrick distribution system and associated components to provide streamed media-based and live content.
> Person(s) Responsible: Campus Librarians, Campus Technology Coordinators

**Objective 1.10:** Protect critical server data to ensure availability to all stakeholders as needed.
Budget for this objective: $270,070

> **Strategy 1.10.1:** Continue to implement server virtualization system for critical servers
> Person(s) Responsible: Director of Technology Support

> **Strategy 1.10.2:** Maintain CommVault data backup System.
> Person(s) Responsible: Director of Technology Support

> **Strategy 1.10.3:** Maintain critical data recovery plan in the event of a natural disaster or catastrophic system failure.
> Person(s) Responsible: Executive Director of Technology

**Objective 1.11:** Continue to implement/support Enterasys system for supporting BYOT initiative and overall network security
Budget for this objective: $36,975

**Strategy 1.11.1:** Renew licensing for Enterasys system.
Person(s) Responsible: Internet Systems Manager

**Goal 2: Provide adequate leadership, administrative, and instructional support to ensure that technology has maximum impact on student success.**

**Objective 2.1:** Comply with local, State, and Federal guidelines related to educational technology settings.
Budget for this objective: $32,747

    **Strategy 2.1.1:** Maintain an Internet content filter and apply appropriate filtering strategies to comply with the Children's Internet Protection Act (CIPA)
    Person(s) Responsible: Executive Director of Technology

    **Strategy 2.1.2:** 100% of Weslaco ISD students and staff will complete Internet Safety training.
    Person(s) Responsible: Campus Administration

    **Strategy 2.1.3:** Require all district technology users to read and sign a district acceptable use policy.
    Person(s) Responsible: Internet Systems Manager

    **Strategy 2.1.4:** All teachers and campuses will complete the Texas Star Chart annually.
    Person(s) Responsible: Campus administration

    **Strategy 2.1.5:** Each campus will be evaluated using criteria set for the district Strategizing with Technology to Achieve Results (STAR) awards.
    Person(s) Responsible: Executive Director of Technology, Director of Instructional Technology

**Objective 2.2:** Create and update a technology plan that is based on identified needs and focused on student success.
Budget for this objective:

    **Strategy 2.2.1:** A district technology committee will meet every 6 weeks to discuss and update existing district plans.
    Person(s) Responsible: Director of Instructional Technology

    **Strategy 2.2.2:** Campus Technology Committees will meet and discuss technology related initiatives for following year: Campus Technology Committee will create a proposed yearly budget reflecting planned technology related purchases for the following year. Campus will submit budget to be included in the district technology plan. Submitted campus budgets will be combined to form the

district technology budget and presented for board approval.
Person(s) Responsible: Campus Administration

**Strategy 2.2.3:** Campus administration will work with non-local funding departments and organizations to ensure the maximum amount of funds for technology related projects and initiatives.
Person(s) Responsible: Campus Administration

**Objective 2.3:** Maintain systems that provide stakeholders with essential data.
Budget for this objective: $193,210

**Strategy 2.3.1:** Continue to update and maintain the eschool student information system to ensure that students, parents, and staff have access to the information they need.
Person(s) Responsible: Executive Director of Technology, Director of IS/PEIMS

**Strategy 2.3.2:** Maintain network cameras at all campuses for recording video and ensuring safety of all staff and students
Person(s) Responsible: Security Department, Director of Technology Support

**Strategy 2.3.3:** Continue to update/maintain the Alio financial management system.
Person(s) Responsible: Chief Director of Business Operation, Executive Director of Technology

**Strategy 2.3.4:** Continue to develop a district student reporting system that brings all student data into 1 repository system to provide a secure method of viewing and analyzing student academic data. The reporting system is accessible at the district and campus level.
Person(s) Responsible: Evaluation and Accountability Specialist

**Strategy 2.3.5:** Employ a team of programmers that develop in-house programs and provide end-user support for PEIMS and other district data.
Person(s) Responsible: Executive Director of Technology

**Strategy 2.3.6:** Provide training and equipment to district programming staff to develop "in house" mobile applications. Mobile app development will target the district's community to provide information about the district and its schools.
Person(s) Responsible: Lead Programmer Evaluation and Accountability Specialist

**Objective 2.4:** Provide both campus-based and centrally-deployed staff to support technology.
Budget for this objective: $1,750,000.00

**Strategy 2.4.1:** Provide at least one technical support staff per 750 computers.
Person(s) Responsible: Director of Technology Support

**Strategy 2.4.2:** Ensure that each campus has a dedicated Campus Technology Coordinator to assist in technology integration and instructional support. CTC's will spend 85% of their time supporting classroom instructional technology integration.
Person(s) Responsible: Campus Administration

**Strategy 2.4.3:** Provide a full-time technology administrative staff. The district technology administrative staff is comprised of the following administrators: Executive Director of Technology, Director of Technology Support, Director of Information Systems/PEIMS, Internet Systems Manager, Director of Instructional Technology, Telecommunications Specialist.
Person(s) Responsible: Executive Director for Technology

**Objective 2.5:** Utilize automated system for data collection of classroom observations, walk-throughs, teacher professional development tracking, benchmarking, and curriculum development/management.
Budget for this objective: $35,170

**Strategy 2.5.1:** Maintain subscription to Eduphoria PDAS product which allows administrators to complete PDAS evaluations for teachers.
Person(s) Responsible: Executive Director of Technology, Executive Directors of Curriculum and Instruction

**Strategy 2.5.2:** Maintain subscription to Eduphoria Workshop application. This tool manages professional development and allows administrators to access professional development data related to their campus staff.
Person(s) Responsible: Executive Director of Technology, Director of Professional Learning

**Strategy 2.5.3:** Maintain district-wide access to Eduphoria Forethought for curriculum management.
Person(s) Responsible: Executive Directors of Curriculum and Instruction.

**Strategy 2.5.4:** Maintain access to Eduphoria Aware for administering and analyzing district benchmarks.
Person(s) Responsible: Evaluation and Accountability Specialist.

**Objective 2.6:** Collect relevant data from staff, students, and parents to help guide the instructional use of technology.

**Strategy 2.6.1:** 100% of Weslaco ISD teachers will complete the LoTi survey to indicate their comfort levels with technology implementation and current instructional practices.
Person(s) Responsible: Campus Administration, Campus Technology Coordinators

**Strategy 2.6.2:** At least 13,000 Weslaco students will complete the annual Net Day Speak Up survey. Data will be used for needs assessment related to student instructional technology programs.
Person(s) Responsible: Campus Administration, Campus Technology Coordinators, Director of Instructional Technology

**Strategy 2.6.3:** Collect Net Day Speakup/Project Tomorrow survey data from at least 1,000 parents.
Person(s) Responsible: Parental Involvement Director, Director of Instructional Technology

**Objective 2.7:** Seek funding from a variety of sources to supplement district/campus budgets to provide additional resources for teaching and learning.

**Strategy 2.7.1:** Apply for technology grants available from Texas Education Agency, the Federal Government, and the private sector.
Person(s) Responsible: Director of Instructional Technology, Curriculum and Instruction departments

**Objective 2.8:** Continue to develop our instructional technology program based on the Levels of Teaching Innovation (LOTI) framework including the Assess, Plan, Implement, Sustain model.
Budget for this objective: $16,250

**Strategy 2.8.1:** Continue to provide LoTI and H.E.A.T. training in face-to-face and online settings.
Person(s) Responsible: Director of Instructional Technology, Campus Technology Coordinators

**Objective 2.9:** Each campus administration will promote and support the use of technology to increase student achievement and parent involvement.

**Strategy 2.9.1:** Campus administration will encourage use of technology in teaching and learning: The campus improvement plan will include a technology integration component specifying how the campus will support teaching and learning through the use of technology. Campus administration will monitor instructional technology use through walk-throughs, computer lab and library logs, and evaluations.
Person(s) Responsible: Campus Administration

**Strategy 2.9.2:** Campus administration will work with Parental Involvement Coordinator to schedule community technology presentations and training opportunities for parents and other community members.
Person(s) Responsible: Campus Administration, Parental Involvement Director

**Strategy 2.9.3:** Each campus will work with the Parental Involvement office to seek partnerships with literacy organizations and promote the Computers for Weslaco ISD families initiative.
Person(s) Responsible: Campus Administration, Parental Involvement Director

**Strategy 2.9.4:** Each campus will create a LoTI action plan that has a monthly list of activities that address their plans for implementing the LoTI H.E.A.T model and digital age learning.
Person(s) Responsible: Campus Administration

**Strategy 2.9.5:** Continue to implement the family literacy program via parent ipad workshops
Person(s) Responsible: Parental Involvement Director

**Goal 3: Ensure that all educators have access to high quality professional development and appropriate tools to model and implement 21st century learning.**

**Objective 3.1:** Continue to offer district-wide staff development days dedicated to preparing teachers to implement 21st century learning.
Budget for this objective: $12,000

**Strategy 3.1.1:** Provide training to technology day trainers on topics for the August Technology Staff Development day.
Person(s) Responsible: Director of Instructional Technology

**Strategy 3.1.2:** Offer follow-up training/mentoring sessions on technology day topics throughout the year.
Person(s) Responsible: Director of Instructional Technology, Campus Technology Coordinator, Innovative Teaching Task Force

**Strategy 3.1.3:** All teachers are expected to complete a minimum of 18 hours of instructional technology staff development.
Person(s) Responsible: Director of Instructional Technology, Campus Technology Coordinators, Campus Administration

**Objective 3.2:** Provide teacher staff development in a variety of formats to make sure all teachers have the opportunity to grow and develop in their abilities to teach innovatively with technology.

**Strategy 3.2.1:** Provide monthly instructional technology training sessions for Campus Innovative Teaching Task Force so they can provide training/mentoring for campus teachers.
Person(s) Responsible: Director of Instructional Technology

**Strategy 3.2.2:** Teachers will receive training and mentoring on strategies for using classroom computers for student-centered learning.

Person(s) Responsible: Campus Technology Coordinators

**Strategy 3.2.3:** Provide the opportunity to complete Master Technology Teacher Certification for interested teachers
Person(s) Responsible: Director of Instructional Technology

**Strategy 3.2.4:** Create a technology development framework that establishes expectations, assesses technology proficiency, and provides a pathway to educator growth. The purpose of the framework is to ensure all teachers can demonstrate mastery of SBEC Technology Application standards and the NETS-T standards.
Person(s) Responsible: Director of Instructional Technology

**Strategy 3.2.5:** Create a technology competency guide that breaks professional development down into a clear stages of development and is aligned to SBEC standards, ISTE NETS-T and LoTi levels.
Person(s) Responsible: Director of Instructional Technology

**Strategy 3.2.6:** Create a technology proficiency evaluation system that includes an online assessment for skill proficiency and a portfolio assessment for evaluating integration level.
Person(s) Responsible: Director of Instructional Technology

**Strategy 3.2.7:** Get at least 1 person per campus and 4 central office staff certified as Google Apps Certified Educators.
Person(s) Responsible: Director of Professional Learning, Director of Instructional Technology

**Objective 3.3:** Ensure that 100% of teachers are trained in the use of online learning tools for themselves and for the instruction of students

**Strategy 3.3.1:** All teachers will receive training in elearning using edmodo or moodle.
Person(s) Responsible: Director of Instructional Technology, Campus Technology Coordinators

**Strategy 3.3.2:** All teachers will receive training on online adoption resources and supplemental teaching resources purchased by the district.
Person(s) Responsible: Curriculum Strategists, Director of Instructional Technology, Campus Librarians

**Objective 3.4:** Continue to implement the Professional Learning Community model with the Innovative Teaching Task Force.
Budget for this objective: $2,570

**Strategy 3.4.1:** Provide summer training academy for all Innovative Teaching Task Force (ITTF) members.
Person(s) Responsible: Director of Instructional Technology

**Strategy 3.4.2:** Renew TCEA Memberships for all Task Force Members to enable them to learn more about technology integration through TCEA offerings such as webinars, etc.
Person(s) Responsible: Director of Instructional Technology

**Strategy 3.4.3:** Host monthly webinars to keep ITTF informed and collaborating about district initiatives.
Person(s) Responsible: Director of Instructional Technology

**Strategy 3.4.4:** Create Google Communities for the purpose of promoting innovative instruction via best practice sharing.
Person(s) Responsible: Director of Instructional Technology

**Objective 3.5:** Implement method(s) to ensure that all teachers are technology literate based on ISTE NETS-T standards.

**Strategy 3.5.1:** Administer teacher Wayfind pre and post-assessment tool.
Person(s) Responsible: Campus Administration, Director of Instructional Technology, Campus Technology Coordinators

**Strategy 3.5.2:** Align all technology staff development to ISTE NETs-T standards
Person(s) Responsible: Director of Instructional Technology, Campus Technology Coordinators, Director of Professional Learning

**Strategy 3.5.3:** Incorporate ISTE NETS-T standards into all content area staff development.
Person(s) Responsible: Director of Professional Learning, Curriculum Strategists, Director of Instructional Technology

**Goal 4: Students will be engaged in 21st century learning and use a variety of technology tools to enhance and enrich their learning experiences.**

**Objective 4.1:** Continue to implement a "Bring Your Own Technology" Program to enable students to learn throughout the school day with their own technology.
Budget for this objective: $12,495

**Strategy 4.1.1:** Provide training to teachers regarding use of personal technology to enhance learning
Person(s) Responsible: Director of Instructional Technology, Campus Technology Coordinators

**Strategy 4.1.2:** Monitor BYOT program measures and make adjustments as necessary
Person(s) Responsible: Executive Director of Technology, Internet Systems Manager

**Strategy 4.1.3:** Renew licensing for NAC system to ensure students can access necessary resources without jeopardizing critical systems.
Person(s) Responsible: Internet Systems Manager

**Objective 4.2:** Use appropriate technology tools to target learning needs for all student populations
Budget for this objective: $1,303,000

**Strategy 4.2.1:** Pilot e-portfolio project for elementary ESL students and CTE students
Person(s) Responsible: Director of Instructional Technology

**Strategy 4.2.2:** Continue to research and provide apps for use with campus ipad carts to meet learning needs of all students
Person(s) Responsible: Special Education Department

**Strategy 4.2.3:** ILS products will be utilized to meet specific learning needs.
Person(s) Responsible: Campus Administration, Curriculum Strategists

**Strategy 4.2.4:** Continue to implement Google Apps for Education for all 3-12th grade students.
Person(s) Responsible: Director of Instructional Technology

**Strategy 4.2.5:** Implement Project Based Learning through technology at all campuses.
Person(s) Responsible: Curriculum Strategists, Director of Instructional Technology

**Strategy 4.2.6:** Implement the Flipped Classroom model in select secondary classrooms.
Timeline: August 2014-December 2015
Person(s) Responsible: Director of Instructional Technology, Campus Technology Coordinators

**Strategy 4.2.7:** New hardware to include computers, tablets, mobile technology, peripherals, etc. will be purchased to make sure students have access to reliable technology tools.
Person(s) Responsible: Campus Administration

**Strategy 4.2.8:** Pilot game-based learning using minecraft edu and simcityedu
Person(s) Responsible: Director of Instructional Technology

**Strategy 4.2.9:** Offer summer Science, Technology, Engineering, Art/Design, and Mathematics camps for Weslaco ISD students.
Person(s) Responsible: Director of Instructional Technology

**Objective 4.3:** All K-8 students will learn their grade-level technology application TEKS and have opportunities to demonstrate their ability to use technology as a learning tool.
Budget for this objective: $98,000

**Strategy 4.3.1:** All 5th and 8th grade students will take a technology literacy pre-test.
Person(s) Responsible: Campus Administration, Director of Instructional Technology, Campus Technology Coordinators

**Strategy 4.3.2:** Online integration modules aligned to core content and technology application TEKS will be developed and embedded into core subject scope and sequences.
Person(s) Responsible: Director of Instructional Technology, Curriculum Strategists

**Strategy 4.3.3:** All 5th and 8th grade students will complete a technology literacy post-test.
Person(s) Responsible: Campus Administration, Director of Instructional Technology

**Strategy 4.3.4:** All K-8 students will receive technology applications instruction which will utilize the adopted technology application adoption (Learning.com) and other appropriate resources.
Person(s) Responsible: Campus Administration

**Objective 4.4:** Continue to implement the district robotics program.
Budget for this objective: $4,800

**Strategy 4.4.1:** Each elementary and middle school campus will have at least 1 after school robotics club.
Person(s) Responsible: Campus Administration, Director of Instructional Technology

**Strategy 4.4.2:** WISD will host a district championship tournament to determine the district robotics champion. A traveling trophy will be awarded to the campus the wins the tournament.
Person(s) Responsible: Director of Instructional Technology

**Objective 4.5:** Integrate the new technology application TEKS into the core content area to ensure student mastery.
Budget for this objective: $4,000

**Strategy 4.5.1:** Add technology application TEKS and model projects to the core content scope and sequence in Eduphoria Forethought.
Person(s) Responsible: Director of Instructional Technology

**Strategy 4.5.2:** Utilize the technology applications adopted resources from learning.com to facilitate the integration of technology into classroom instruction.
Person(s) Responsible: Campus Administration, Director of Instructional Technology

**Strategy 4.5.3:** Host a district multimedia competition to recognize exemplary student technology projects.

Person(s) Responsible: Director of Instructional Technology

**Objective 4.6:** Utilize the Internet safety program to ensure that all K-8 students know how to use the internet safely and appropriately.
Budget for this objective:

**Strategy 4.6.1:** Utilize Common Sense Media internet safety program and technology application adoption resources to ensure that all K-8 students are aware of appropriate online behavior, social networking, cyberbullying and other topics related to their safety online.
Person(s) Responsible: Campus Administration, Director of Instructional Technology

**Objective 4.7:** Incorporate Keyboarding instruction in grades 2-5.
Budget for this objective:

**Strategy 4.7.1:** Publish district expectation for keyboarding proficiency at each grade level.
Person(s) Responsible: Director of Instructional Technology

**Strategy 4.7.2:** Maintain Type to Learn Network setup to ensure that all 2-5 students have access to instructional keyboarding software
Person(s) Responsible: Campus Technology Coordinators, Director of Instructional Technology

**Strategy 4.7.3:** Each campus will publish 6 week reports on the percentage of students that are on target with keyboarding expectations.
Person(s) Responsible: Campus Technology Coordinators

**Objective 4.8:** Secondary students will have opportunities to learn to master advanced technology tools.
Budget for this objective: $2,000.00

**Strategy 4.8.1:** Continue to offer at least 2 technology application courses per semester at the high school level.
Person(s) Responsible: Campus Administration

**Strategy 4.8.2:** Get technology applications teachers trained on the new technology applications courses with intent to offer those courses in 2015-16.
Person(s) Responsible: Campus Administration, Director of Instructional Technology

**Strategy 4.8.3:** Secondary students will learn to use products from the Adobe Creative Suite to create advanced technology projects.
Person(s) Responsible: Campus Administration, CTE Director, Director of Instructional Technology

**Strategy 4.8.4:** Certify at least 100 students as Adobe Certified Associates (ACA), and 10 as Adobe Certified Experts (ACE).
Person(s) Responsible: CTE Director, Director of Instructional Technology

**Strategy 4.8.5:** Certify a minimum of 10 students from CATE Media II class in Final Cut Pro.
Person(s) Responsible: CTE Director

**Strategy 4.8.6:** Certify at least 100 students as Microsoft Office Specialists.
Person(s) Responsible: CTE Director

**Strategy 4.8.7:** Explore opportunities with TSTC regarding a partnership to help with our Video Game Development program interests.
Person(s) Responsible: Director of Instructional Technology

**BUDGET**
Budget for year 2014
- Total: $4,148,562 (Includes items that are not specifically tied to tech plan goals)