Livingstone Range
SCHOOL DIVISION No. 68

Technology Annual Results Report 2010-11 and Three Year Plan 2011-2013

Approved by the Board January 12, 2011

Revised November 29, 2011

Goal: A reliable and efficient technology infrastructure

Desired Outcome	Indicators of Success	Strategies	Results
1. All schools meet EIA/TIA structured wiring standards	• Percent of schools meeting EIA /TIA structured wiring standards	1.1. Audit all schools using external contractor 1.2. Prioritize school sites and draw up rewiring response plan 1.3. Look for ways to isolate wiring closets	• Audit completed by Feb. 28, 2011 • The following schools received cabling upgrades and new server rooms: o J.T.Foster o Livingstone o MHHS o F.P.Walshe o ISS
2. IP Address scheme that is scalable	• Comprehensive IP addressing scheme • Schools don't run out of IP addresses	2.1. Implement a new IP masking scheme utilizing 255.255.240.0 to allow for 4096 addresses per school site 2.2. Evaluate best practices to manage network traffic in schools - Find out what other jurisdictions are using to manage traffic - consultations with HP and Fortinet 2.3. Implement updated wireless N along with extensive wiring updates	• IP address scheme was completed February 2011

Desired Outcome	Indicators of Success	Strategies	Results
3. Bandwidth meets instructional and administrative needs of the jurisdiction	• Schools are not exceeding band width capacity	3.1. Review the provisioning of Supernet services of each site and prioritize which sites are most in need of additional band width 3.2. Increase jurisdictional "head end" Supernet services to 60 Mbps to ensure that increased school band width provisions are balanced with a right sized head end service 3.3. Implement strategies for bandwidth management 3.4. "Right size" internet bandwidth within overall Supernet capacity 3.5. Implement enhanced services for Supernet feed at each site 3.6. Monitor of bandwidth using Supernet, Fortinet and other reports as required 3.7. Implement Enterprise class enhanced wireless N Lan when buildings are being rewired	• All school bandwidths were enhanced to meet their needs. Completed June 2011.
4. Tech. staff are qualified and trained to respond effectively to the technical infrastructure of jurisdiction	• Technical qualifications are specified • Qualifications are met • Reduced reliance on external parties	4.1. Indicate specific industry qualifications as part of role descriptions requirements for technical staff.	• January 31, 2011 o Technicians job descriptions and qualifications completed

Desired Outcome	Indicators of Success	Strategies	Results
		4.2. Provide significant training opportunities for technical staff to ensure they have the knowledge and skills necessary to design, develop and sustain a technical infrastructure P.D. is required in: - IP Address - Network Design and Development - Windows certification 4.3. Every tech staff member will have an IPGP in place on an annual basis	• June 30, 2011 o EIA/TIA course for Technicians by (AMP ACT1)
5. A clearly defined Evergreen plan for computer workstations, SmartBoards, VC Suites and infrastructure in place	• All computers and printers are 4 years old or newer • All SmartBoards are 8 years old or newer	5.1. In collaboration with schools create an Evergreening computer plan (see Appendix B) - Defines an end of life time frame for devices - Reduces the variance of equipment at any given site and within the jurisdiction 5.2. Create SmartBoard and VC Evergreening plan	• Evergreening Plan approved February 2011 • The following schools received forklift evergreening o F.P.Walshe o WCCHS o J.T.Foster o G.R.Davis • All computers over four years of age were decommissioned • New computers purchased and installed: o 275 laptops o 26 Notebooks o 115 desktops o 800 computers were decommissioned

Desired Outcome	Indicators of Success	Strategies	Results
			and recycled 30,000 pounds
6. Jurisdictional software is standardized throughout the jurisdiction and deployed in an efficient and effective manner	• New computers are deployed within summer deployment Window	6.1. Establish core jurisdictional software standards – consulting with stakeholders but includes O/S, Office, Smart Notebook 6.2. Adopt an automated software deployment approach to improve efficiency and consistency	• All new computers are imaged using Microsoft SCCM. • All new computers now are Windows 7

1. Goal: Develop a technology governance structure within the organization that aligns technology efforts with district vision and establishes conditions for success.

Desired Outcome	Indicators of Success	Strategies	Results
1. An educational leader with deep knowledge and skills in technology, pedagogy, and leadership that effectively leads the technology management and infusion efforts within LRSD	• Leader in Place	Assess the current jurisdictional leadership structure in comparison to other jurisdictions	
2. A technology governance structure is in place within LRSD that aligns technology efforts with district vision and establishes conditions for success		2.1. Review Technology Handbook to ensure it articulates governance structures and processes 2.2. Review Admin Procedure 140	• Tech Handbook was revised Admin Procedure 140 revised

2. Goal: Teachers demonstrate pedagogical effectiveness with the use of IT

Desired Outcome	Indicators of Success	Strategies	Results
1. Teaching staff have high-quality support to develop both operation and application skills associated with infusing technology into learning environments	• Supports and structures in place	2.3. Classroom mentoring and coaching for teachers 2.4. Includes technology coaches. One coach would be responsible for div 1-2 for the entire school jurisdiction and the other would be responsible for dive 3-4. At each school one tech lead teacher would be identified to work with the tech coaches (160-170 minutes support time to be provided for school tech leads on top of the prop time already allocated to them). 2.5. Create an innovative technology fund that will provide site based funds to experiment with new technologies 2.6. Simple application process will be put in place and managed by ETAC 2.7. Maximum $5000 per applicant	• New Teacher Orientation Guide Created
2. All staff and students have a full understanding of digital citizenship		2.8. Assess extent of instruction and knowledge of digital citizenship amongst students and staff 2.9. Students, staff and	• Teacher Website Guidelines put in place • Responsible Use Agreement Revised

Desired Outcome	Indicators of Success	Strategies	Results
		parents need to be a part of this assessment 2.10. Identify possible digital citizenship programs for students and staff and make a jurisdictional selection and implement 2.11. Students and staff will need to pass an annual digital citizenship test prior to accessing internet 2.12. Add survey question	