RSU No. 5
Technology Workshop

November 3, 2010

The RSU No. 5 Strategic Framework includes an academic program commitment to use technology effectively to enhance learning. The description provided within the framework is as follows:

"*There is little doubt that future success in life is – and will continue to be – tightly tied to adept use of technology. We are committed to pursuing technology that broadens and deepens student learning, that increases student responsibility for learning and that prepares them for work and/or college. To meet these goals, we will need to help our educators learn how best to graduate "tech-literate" students, financially support appropriate technology in the classroom and continually review best practices with the use of technology for life-long learning."*

Comparison Summary

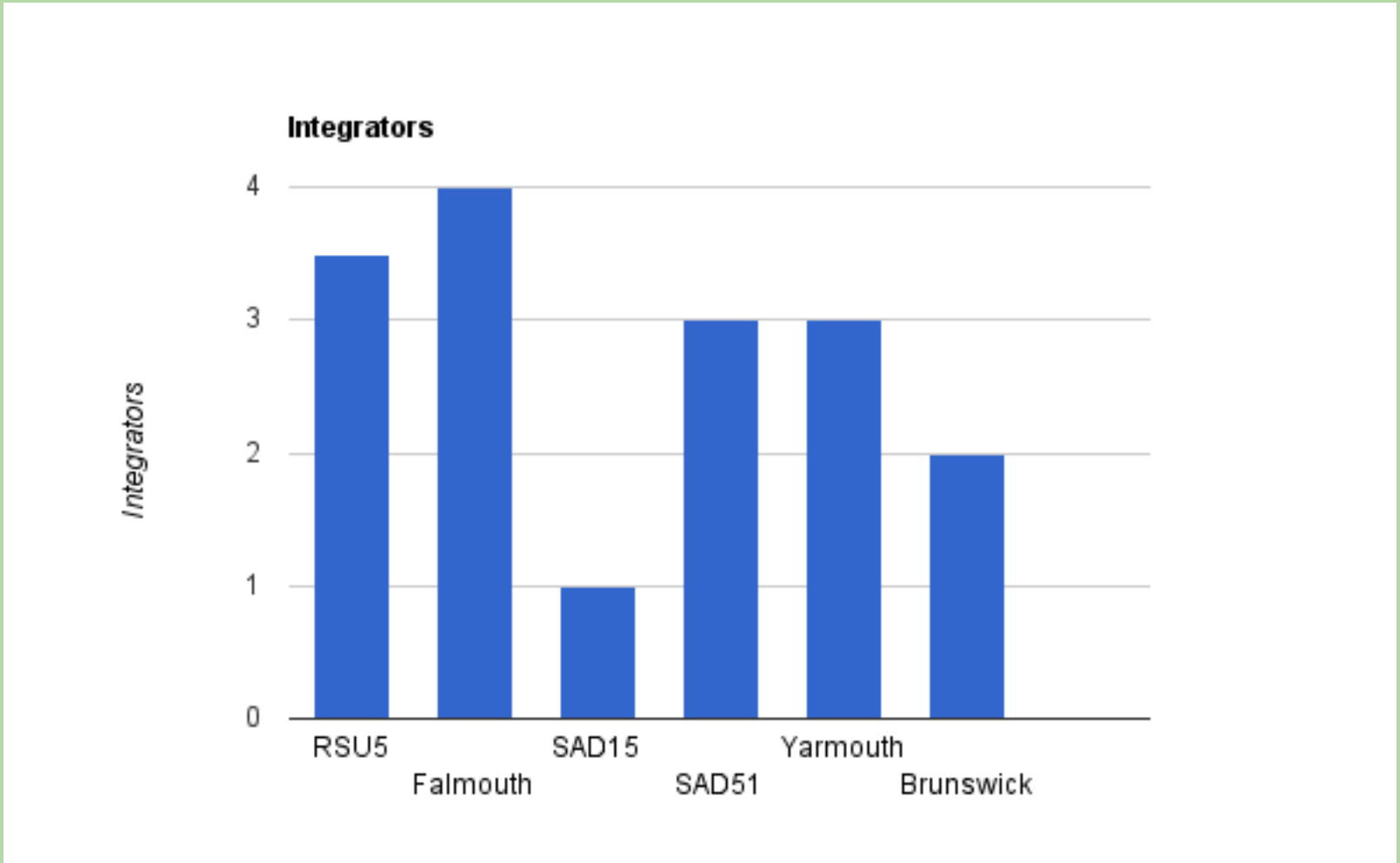
RSU5, Brunswick, Falmouth, SAD15, SAD51, and Yarmouth

- 3 of 6 districts participate in the MLTI program at the high school (SAD15, Yarmouth, and RSU5).
- RSU5 classroom support/integration levels are comparable to the other 5 districts.
- RSU5 has the highest computer per technician ratio among MLTI participating schools (608 computers to 1 technician).

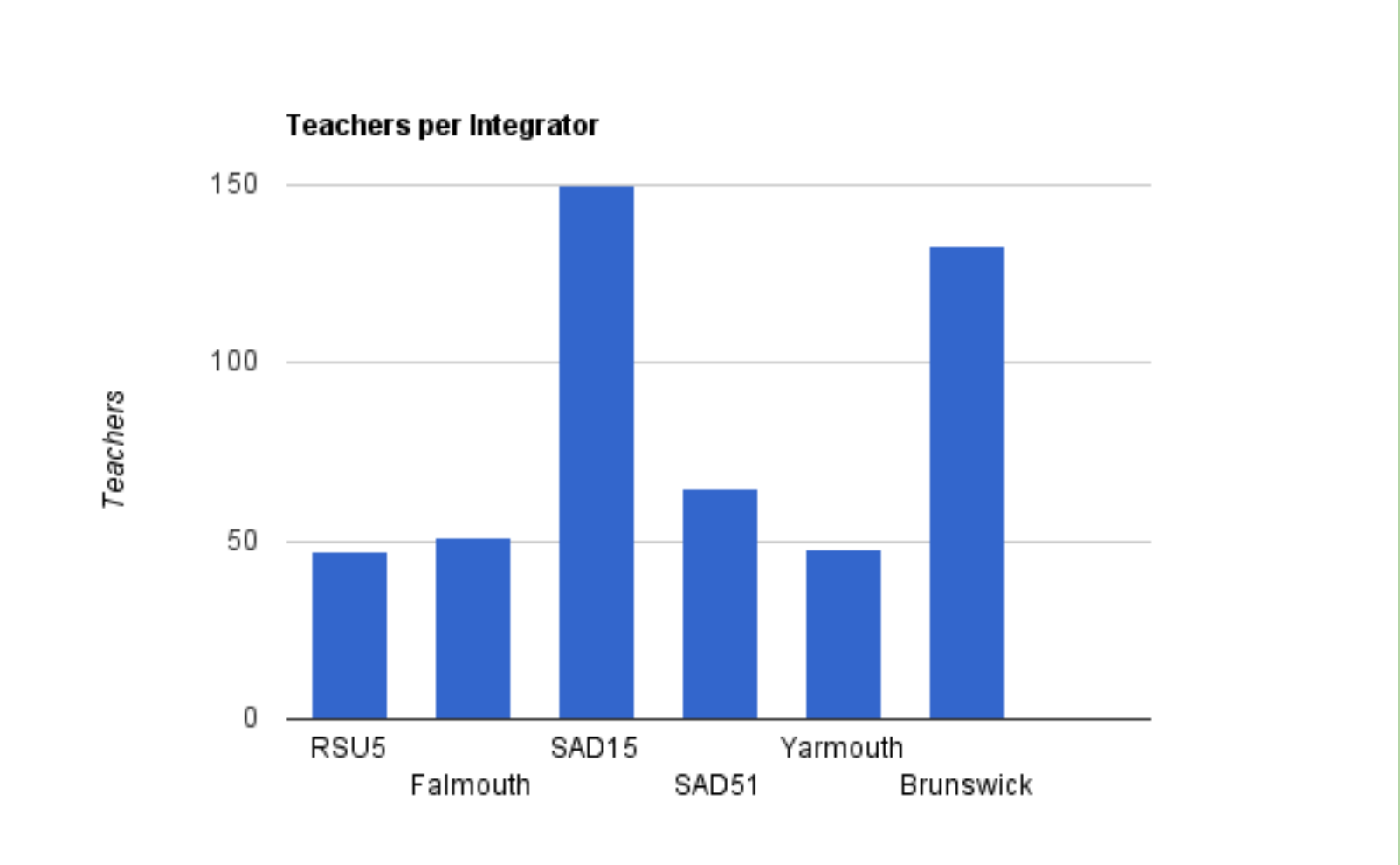
Comparison Charts

	RSU5	Falmouth	SAD15	SAD51	Yarmouth	Brunswick
Students	1800	2100	1900	2120	1400	2550
Teachers	165	205	150	195	145	265
1:1 @ HS (1=YES, 0=NO)	1	0	1	0	1	0
Technicians	2.3	3	3	2	3	5
Integrators	3.5	4	1	3	3	2
Schools	6	4	5	5	4	6
Teacher per Integrator	47	51	150	65	48	133
Computers	1400		1700	1050	1300	1500
Computers per Technician	608		567	525	433	300

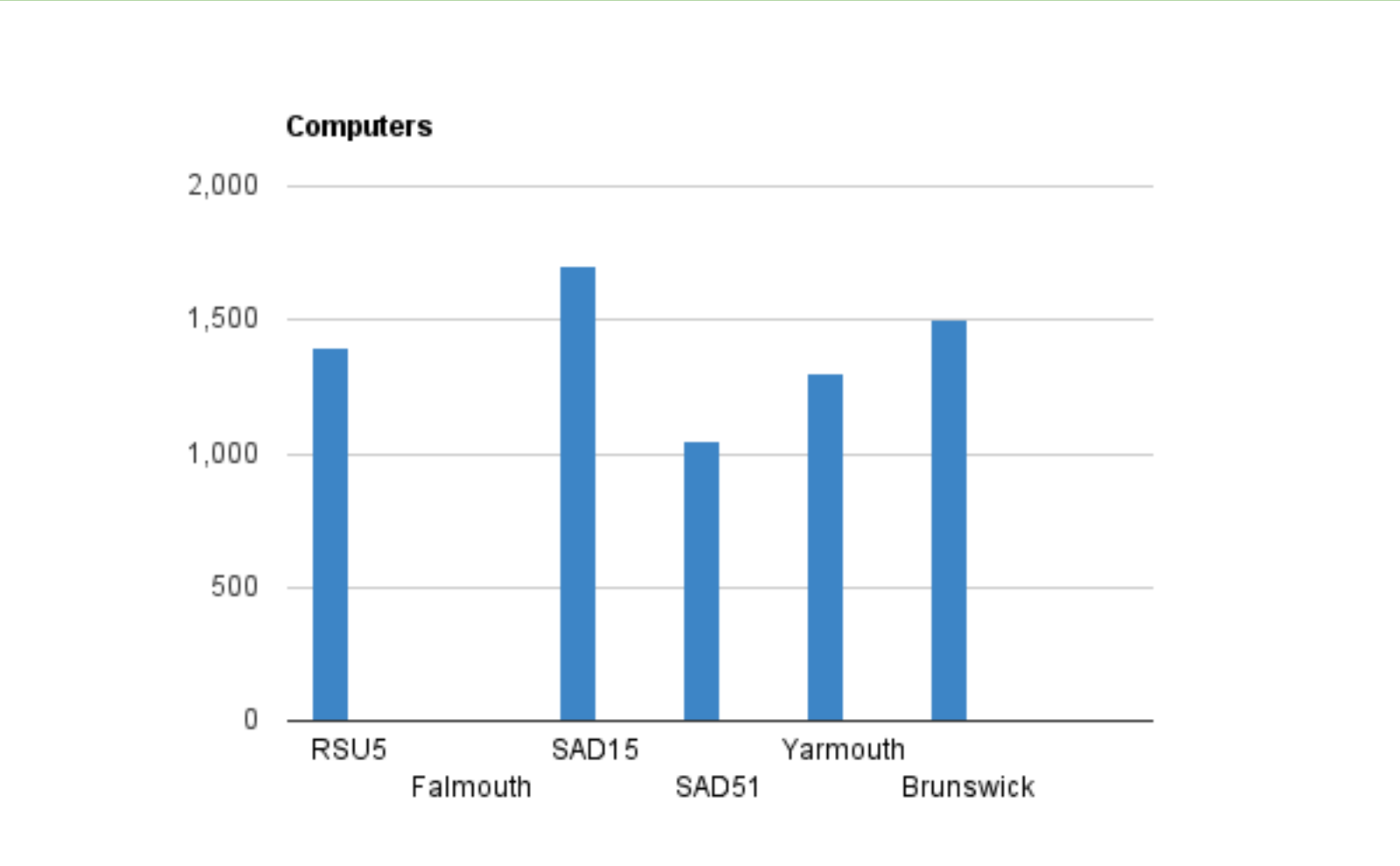
Classroom Integration



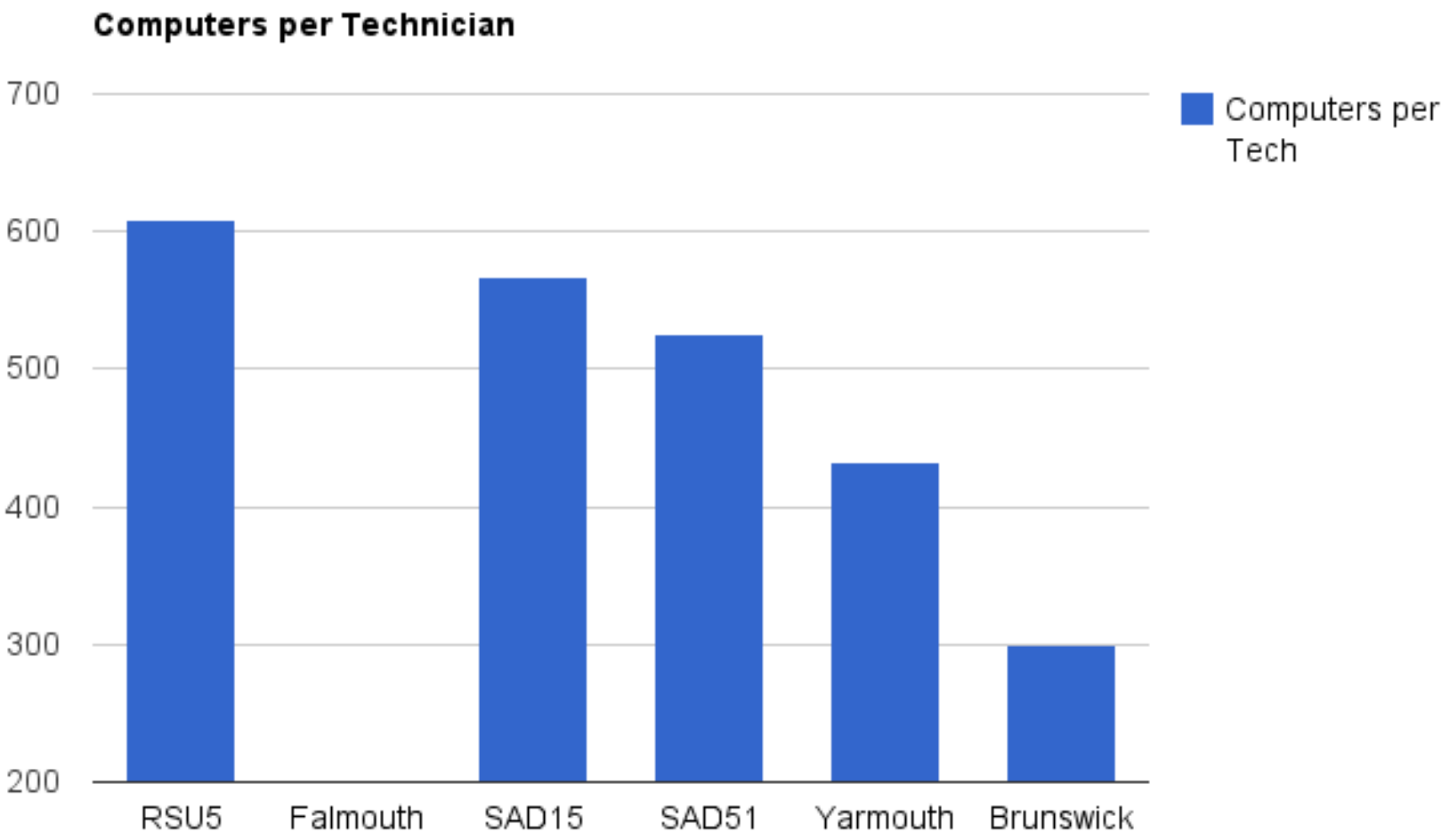
Teachers per Integrator



Computers


Computers
2,000
1,500
1,000
500
0
RSU5
Falmouth
SAD15
SAD51
Yarmouth
Brunswick

Computers per Technician



Goals

- COMPUTERS/INFRASTRUCTURE - Create a computer replacement plan with teaching staff as first priority.
- PEOPLE - Increase computer technical support to ensure availability and reliability of classroom technology.
- LEARNING - Student learning will reflect 21st century standards, skill sets and competencies.
- BUDGET - Establish an acceptable technology funding level.

Computers and Infrastructure

- Purchase new MLTI MacBooks for all Pre-K to 6 teaching staff.
- Redeploy older teacher computers for student use.
- Continue participation in the MLTI program at the HS and MS levels.
- Replace 20% of aging, end of life network equipment district wide, annually.
- Replace the wireless networks at MSS and MLS.
- Select and implement one Student Information System (SIS).

People

- Continue current technology classroom support/integration staffing at 3.5 employees.
- Increase computer technician staffing to 3 employees, shared among all schools.
- Invest in our teaching staff through the purchase of new equipment, offering of regular professional development opportunities, and timely resolution of technology related issues.

Learning

- Modern, reliable equipment will allow teachers to explore new and unique teaching and learning opportunities.
- Encourage and support effective technology use by offering relevant professional development, and adequate technical support.

Budget

- Establish an acceptable and sustainable technology funding level.
- Significant budget increase will occur in 2011/12 to fund infrastructure improvements and increased staffing levels.
- Small, incremental increases will occur in the following years.

5 Year Investment Plan

	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
7-12 Teaching Staff (Provided by the State)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
PreK-6 Teaching Staff	$0.00	$48,000.00	$48,000.00	$33,000.00	$33,000.00	$33,000.00
HS MLTI	$100,000.00	$100,000.00	$100,000.00	$100,000.00	$100,000.00	$100,000.00
K-6 Students (Buyout: 375 laptops, after initial investment in 2011/12)	$0.00	$0.00	$15,000.00	$15,000.00	$15,000.00	$15,000.00
Network (20% replacement, includes elem wireless networks, servers, switches, etc.)	$0.00	$15,000.00	$0.00	$15,000.00	$15,000.00	$15,000.00
Classroom Equipment (LCDs, IWBs, Doc Cameras, etc)	$0.00	$0.00	$30,000.00	$30,000.00	$30,000.00	$30,000.00
Software (SIS)	$8,000.00	$20,000.00	$10,000.00	$10,000.00	$10,000.00	$10,000.00
Total	$108000	$183000	$203000	$203000	$203000	$203000

How will this support the Strategic Framework?

- Investing in infrastructure, technician staffing and professional development will lead to increased inquiry-based learning opportunities for all students, K-12.

- Provide teachers with both reliable hardware and professional training, and they will in turn provide authentic and meaningful 21st century educational experiences for our students.

Next Steps

- Select and implement one SIS.
- Consult with NetworkMaine/MSLN to create a wide area network.
- Consult with Apple on network design and server consolidation.
- Create a proposed technology budget that supports the 5 year plan.