

**SCR 22 Education Technology Task Force**  
*Infrastructure & Governance*

**Goal:** *Review the current condition of technology in the public education classrooms and educational settings of the State and prepare a plan to outline actions that support Delaware becoming the premier state for utilizing technology in pre- kindergarten to grade 12 education.*

**As a result of the work of this subcommittee, we will :**

- (g) Recommend a phased plan for the implementation of the State educational technology plan;**
- (h) Recommend a funding plan for the implementation of the State educational technology plan;**
- (i) Recommend a plan to track and assess progress in the implementation of goals set forth in the State Educational Technology Plan.**

**Subcommittee Members**

**Ammann, Ted** - ABSENT

Fitzgerald, Kevin (Chair)

Gause, Colleen

Lewis, Elizabeth

Mancini, Steven

Rep. Dukes, Timothy

Reynolds, Randy

## SCR 22 Education Technology Task Force

### Infrastructure & Governance

**Goal:** Review the current condition of technology in the public education classrooms and educational settings of the State and prepare a plan to outline actions that support Delaware becoming the premier state for utilizing technology in pre- kindergarten to grade 12 education.

**Essential Question:** How do we review current need of expansion of State-provided bandwidth?

#### *Leading Ideas*

- Is there something else that can be used besides bandwidth? What do the schools want to support? i.e. Schoology or one-on-one initiative. SEDTA recommends 10 mg per 100 students. State average now. See powerpoint from Colleen last mtg.
- Inequity across the State. What if State would fund entire project? Districts who want to buy into connections faster might be a possibility. Colleen believes a centralized funding model would work best.
- Colleen’s model – 10 mg per student. Each district gets this much. Being responsible for the minimum amount. If district wants to add on, allow them.

### Analysis

#### Collective Knowledge *What we already know?*

- **Bandwidth is what’s best for the State. Cheapest way 1G TLS or dark fiber to provide the bandwidth. There is not much difference between TLS or dark fiber at the 1G rate. In the long term, above 1G dark fiber is the most effective. Blended learning, personal devices, Schoology, etc. Is 1G enough for schools? Must be realistic with funding. 10 MG is not enough for some.**
- **Sometimes it is more affordable to connect multiple schools to one hub site. Yet, other areas it is not.**
- **Right now K-12 uses 5 times what the rest of the State uses. K-12 has multiple devices for each student.**
- **Remember, one small change is cause a ripple effect.**
- **Proxy is a considerable cost to the State. Perhaps do cloud based proxy.**
- **There are some standards for new schools.**
- **Tech coordinator works with DTI with standards documents, but funding and building priority is considered.**
- **Fiber, in most instances, is not the issue. It’s the money that would cost the school.**

#### Additional Knowledge Needed *What more do we need to know?*

- **What core services do we want for grades K-5 and 6-12 for Bandwidth?**
- **Possibly consolidation of services outside teaching. (i.e. Surveillance, video conferencing, web-X.)**
- **Need to know what the Teaching & Learning sub-committee expects for this group to determine what is going to be necessary.**
- **Need to look at cost models for: K-5, 6-12 or by population.**
- **Tech coordinator works with DTI with standards documents, but funding and building priority is considered.**
- **Until we fix the bandwidth from schools to the State we don’t know exactly what we need.**
- **Schoology is new this year. How much more will the technology be used?**

- Charter Schools, many times, do not choose to do the correct wiring in order to save money.

- What about forming a DCET board again to help better communication between the districts and DTI? Having private sector? Who? Teachers, etc. Pat Bush said P20 Council is a board already in place that could possibly be a vertical thread. Donna Johnson said perhaps this could be a sub-committee of P20 as a standing committee. Statue could be changed that this sub-committee was a sub-committee.
- How can we use technology to save money using the services for the infrastructure? Savings could be repurposed for other technology needs. This would only work for the BRINC districts.

### Decision Points

- Governance under the P20 council - P20 Council is a board already in place that could possibly be a vertical thread. Perhaps this could be a sub-committee of the P20 Council as a standing committee. Statue could be changed that this sub-committee was a standing sub-committee.
- Come up with short-term solution for now. Look at the projections on Colleen Gause's DTI chart that would be cost effective.
- Look at base cost savings for each site. (i.e. TLS or dark fiber.) Funds saved in New Castle county could help save costs in Kent and Sussex counties.
- Strategically: Cost management, equity, increase baseline bandwidth and finally leverage funds.
- Tactics: Increase baseline to new standards, flexible network, and increase sustainability for future decisions.

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**Goal:** Review the current condition of technology in the public education classrooms and educational settings of the State and prepare a plan to outline actions that support Delaware becoming the premier state for utilizing technology in pre- kindergarten to grade 12 education.

**Essential Question:** How can we recommend a phased plan for the implementation of the State educational technology plan?

**Leading Ideas**

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**Analysis**

**Collective Knowledge**  
*What we already know?*

**Additional Knowledge Needed**  
*What more do we need to know?*

**Decision Points**

# SCR 22 Education Technology Task Force

## Infrastructure & Governance

### Wrap-Up

#### Major Decision Points

*Please combine decision points from previous pages*

- **Come up with short-term solution for now. Look at the projections on Colleen Gause’s DTI chart that would be cost effective. Perhaps raise minimum base to 100 Meg. Net cost to State would be around \$800,000 if we get eRate funding. Then if some districts want more they could pay for the 1 Gig difference. Where feasible to increase, allow them to do it.**
- **Look at base cost savings for each site. (i.e. TLS or dark fiber.)**
- **Governance under the P20 council - P20 Council is a board already in place that could possibly be a vertical thread. Perhaps statue of the council could be revised so this could be a standing sub-committee of the P20 Council as a standing committee.**
- **Strategically: Cost management, equity, increase baseline bandwidth and finally leverage funds.**
- **Tactics: Increase baseline to new standards, flexible network, and increase sustainability for future decisions.**

### Deliverables

What	Who	When
<i>Example: Teacher Survey</i>	<i>Example: Subcommittee Chair Person</i>	<i>Example: By next Sept. Meeting</i>
<b>Look at the base cost savings for each school/district using TLS or fiber.</b>	<b>Colleen Gause/DTI</b>	<b>By September meeting</b>

**As a result of the work of this subcommittee, we will:**

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