



2016-2021 Comprehensive Plan Objectives

Objective 1:

- Develop a digital, multimedia curriculum across grade levels and subject areas.

Objective 2:

- Provide 5 laptops in each classroom to facilitate digital learning

Objective 3:

- Provide technology and training to staff available at a rate sustainable to the budget.

Objective 4:

- Build a sustainable budget to support increased Technology Staff as additional equipment is added to the schools.

Objective 5:

- Build a sustainable budget to support increased bandwidth demand.

Objective 6:

- Develop a sustainable budget plan to allow for technology growth



Objective 1: ... digital, multimedia curriculum

1.1 Create a list of basic technology terms and competencies so that all faculty and staff will speak a common language.

1.2 Select faculty will work in small groups of similar grade levels or content areas to begin to develop/incorporate digital content to support digital learning.



Objective 2: Provide 5 laptops in each classroom to facilitate digital learning

2.1 Evaluate current electrical, network and wireless infrastructure to develop a plan to proceed.

- A network evaluation was done during 2019 by ABS Networking. The detailed report was used to plan a total network refresh.
- 100% of the wireless network has been replaced and coverage has been drastically increased. We did apply and receive ERate funds that will allow us to add more access points, one per classroom and coverage in all common areas.
- We have replaced all of the network equipment in each building. This included over 150 network switches and routers.
- We are currently working on ClearPass this will allow for more secure wireless and network access.

2.2 Phase in laptops in classrooms to achieve a minimum of 5 per classroom divisionwide.

- We now have Chromebooks deployed to all KG-12 Grade students.
- This brings new challenges but unlimited possibilities.



Objective 3: Provide technology and training to staff available at a rate sustainable to the budget.

3.1 Put a process in place for teachers to apply to use and keep technology in the classroom (e.g. devices such as laptops or tablets to support station teaching, blended learning, etc.)

- 1:1 has changed all of this...
- All K-5 Classrooms have interactive panels
- Document cameras and Web cameras are available to all teachers

3.2 ITRTs provide professional development for the selected teachers to support incorporating technology into their classrooms (e.g. support for station teaching, blended learning, etc.)





Objective 4: Build a sustainable budget to support increased Technology Staff as additional equipment is added to the schools.

4.1 Increase technology support staff to maintain DoE ratio of 1 technician per 1000 machines.

- We currently have four technicians and an Associate Director supporting...
 - Over 6000 Chromebooks
 - 40+ servers
 - Network infrastructure
- Each school has an Instructional Technology Resource Teacher that serves as a layer of support for technology and assessment.
- The Chromebooks are much less labor intensive to support.
- One additional technician should be added over the next year.



Objective 5: Build a sustainable budget to support increased bandwidth to state recommendation

5.1, 5.2 Increase bandwidth with demand

- We have doubled our internet bandwidth twice in the last two years. We continue to push the limits of our current circuits and have multiple orders in for additional upgrades.
- We cut cost dramatically by bidding these services, not utilizing a state contract.
- We utilize E-Rate/Federal funding.
- We continue to monitor our usage and plan accordingly.



Objective 6: Develop a sustainable budget plan to allow for technology growth

6.1 – 6.2 Look at existing revenue streams to determine funds currently available for technology and how that currently compares to the annual costs of maintaining the current level of technology

6.2 Explore new funding streams to grow technology initiatives.

- We have added funds to the current budget and plan to continue this yearly until we are at an acceptable replacement schedule.
 - Student devices - 4 year
 - Teacher devices - 4 year
 - Network infrastructure - 5/6 year
 - Projectors, Panels, etc. - 6 year
- We will continue to apply for the many available grants.



2016-2021 Comprehensive Plan Year 5 - Updates

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