Timeline

Develop goals by 1/1/19
Develop Draft Plan and budget by 2/15/19.
Revise draft plan to align with Strat plan adopted by board by 5/1
Create tech steering committee to refine and prioritize goals and action items. 5/1/19 - 10/1/19
Create Action items list for SY20 by 6/1
Training August 2019
Build carts by 9/15/19
Implementation assessment 12/1/19
Updates to plan January 2020, 2021, 2022, 2023, 2024
Overhaul start plan beginning Summer 2024 with draft January 2025

Scope

This plan is aligned with BART’s strategic goals for SY20 - 25 in the following ways:

Strat goal: Exceptional developmental experience.
- rich use of technology in classrooms
- elective curricula
- prep for changing world

Strat goal: Financial stability
- stable replenishment plan
- flexible infrastructure
- impressive (to support grants)

Strat goal: Diversity
- digital equity access

Strat goal: Community engagement
- partner with higher ed for online learning
- adult ed

This plan addresses technology at BART in each of the three following categories:

- **Instructional technology** is defined as technology which is integrated into the academic classroom.

- **Technology education** encompasses any courses in which technology skills are specifically taught as main objectives of the course. This includes but is not limited to computer science and programming, Intro to Academic Technology, 2-D and 3-D design using computers, photography, graphic design, STEAM, and electronic music composition.

- **Technology infrastructure** refers to all physical technology assets as well as network administration, functional and office support, software, and online services.
Goals & Action Items

**Instructional Technology Goals:**

1. Support and enrich the academic learning experience by providing teachers with access to tools and information which enables them to teach in an effective, efficient, engaging and rigorous fashion.

2. Support and enrich the academic learning experience of students by providing them with opportunities for personal growth, independent learning, and career- and college-ready skillsets.

3. Encourage students to use a variety of thought processes to engage with learning.

4. Provide technology systems to support the functionality of the school.

**Action Items:**

- Develop 7-year comprehensive curriculum framework which ensures that students develop career- and college-ready skillsets with proficiency milestones in each academic year. (start summer 19)
- Develop teacher staff development including assessments, goal-setting tools, planning tools, and tutorials.
- Routine classroom visits collecting data on technology integration and teacher feedback.
- Increase Director of Technology position to full time to allow variable blocks for observation, mentoring, and in-class instruction.
- Provide library of vetted, online resources to decrease amount of time teachers spend researching content. (Gilder Lehman, Commoncraft, etc.)

**Technology Education goals:** NEED TO ALIGN WITH ARTS TEAM

“*The true purpose of arts education is not necessarily to create professional artists. It is to create more complete human beings who are critical thinkers, who have curious minds, who can lead productive lives.*” - Kelley Pollock, executive director COCA, St. Louis

1. Encourage students to utilize tools to enhance and extend human capacity.

2. Students will use physical and electronic technology to manage projects and to design and to solve problems.

3. Students will demonstrate academic technology skills including research, presentation, executive functions, keyboarding, communication, and collaboration. Improve through skill-building (practice makes perfect).

4. Broaden and enrich the student’s world view.

**Action Items**

- Develop Arts & Technology Elective structure
- Develop STEAM curriculum
- Develop Computer Science curriculum
- Move media and arts curriculum toward web-based apps
● Phase out iMac lab after 3 years

**Technology Infrastructure goals:**
1. Provide fast, reliable network and Internet access.
2. Manage physical resources efficiently and with accountability.
3. Develop infrastructure to be adaptable to changing needs.

**Action items: (NEED TO SCHEDULE MEETING WITH CT, JM, JW, JPH)**
- Create Director of Technology Infrastructure position (promote Tawes) to empower to make purchasing and long-term planning decisions.
- Create Asset Manager position to run library of ALL educational resources (books, technology, and other equipment).
- 1:1 Chromebooks in high school (~150-170)
  - 120 to accommodate 9/10, then 40 per year on 5-year replacement cycle (HS target size = 180)
- 1:1 Chromebooks in MS ELA (with History access in adjacent room) (~200)
- 2 MS carts for signout (~48)
- Security camera coverage of all “hotspots” and 50% of other areas.
- Emergency communication system. (Alertus or similar)
- Rewire with cat 6 cabling 9 wall jacks per room (4 front, 4 back, 1 next to door) + 3 ceiling/IDF Closets distributed throughout individual wings.
- Redesign website to allow seamless SSO access for parents and students to all BART systems.
- Build website refresh and maintenance plan.
- Utilize the library asset management system to maintain inventory of all technology equipment
- Move faculty to either Chromebook or iPad on 5-year cycle (11 per year). *note: voicemail cannot currently be retrieved on Chrome
- Move admin and staff to alternative devices which are compatible with the specific needs of job demands (Google Chrome, state reporting via MS Office, etc.)

**Budget**
Link to [spreadsheet](#)

**Enrollment**
This plan is based on the following enrollment assumptions
50 faculty
10 paras
10 admin and support staff
Students:
@ October 1 of school year

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