

Instructional Technology to Support Learning: A Three Year Plan

Board Study Session

May 18, 2016

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Purpose

- Review progress on the 1:1 pilot program at Jackson School; share progress in other districts.
- Provide information on PUSD's readiness and plan to expand the role of instructional technology with a digital textbook program in middle school Language Arts and ELD classes.
- Outline recommended next steps.

Facts and Lessons Learned from LAUSD

Facts about LAUSD's Implementation of iPads:

- Apple contracted to provide the device with digital curriculum (there were very few publishers who had developed digital curriculum aligned with the new California State Standards at the time).
- Pearson had not completed the digital development of this product. It was completed on paper and reviewed by the state for English language arts. Eventually, the math was reviewed and also adopted by the state for K-8.
- LAUSD bought an incomplete product in terms of its digital development; many technical problems ensued with implementation at the initial schools.
- LAUSD sued Apple and recovered nearly \$10 million as a result of the suit. LAUSD spent the \$10 million for technology for more schools.
- Consequently, adopted math and Language Arts materials are both digital and print.

Lessons Learned from LAUSD

- The use of technology needs to be balanced with other materials, including print. We do not want to replace print with technology. We must learn to leverage what technology can do to enhance teaching and learning.
- Ensure that all curriculum adopted has included feedback from impacted stakeholders.
- Start with a small roll out.
- It is important to provide professional development and software on digital citizenship and anti-cyberbullying.
- Ensure policies are in place. A take-home policy was not put in place prior to distribution of the I pads. All other policies were in place. An opt-in policy needs to be established.
- Ensure that if a pilot does not work, people understand the separation of technology versus curriculum use.
- Ensure schools have person and process designated for distribution, collection, storage of mobile devices.
- Ensure that contracts with publishers and technology companies are specific to expectations for delivery, implementation and recourse.

1:1 Laptop Pilot at Jackson Middle School

Presenter:

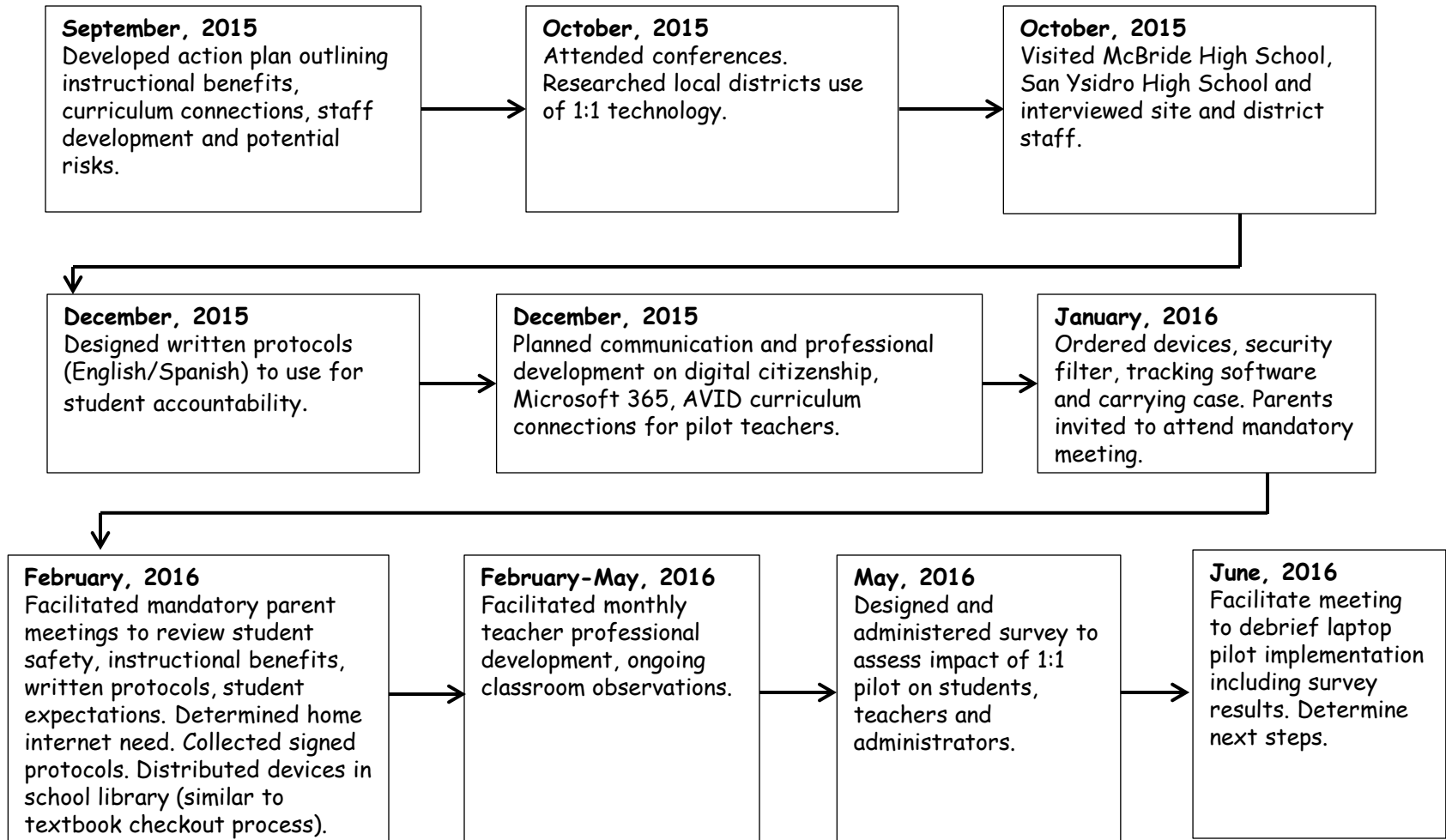
Greg Francois, Director of Secondary Education, CTE,
Instructional Technology

Update on 1:1 Laptop Pilot

- Beginning in December, 2015, a plan was developed to provide 90 students in grades 6-8 at Jackson Middle School laptops. Students have had laptops since February, 2016 (Attachment 1).
- Students use laptops to conduct research, access instructional videos and use Office 365 for technology based learning activities.
- Monthly professional development on use of software to support learning and digital citizenship was provided.

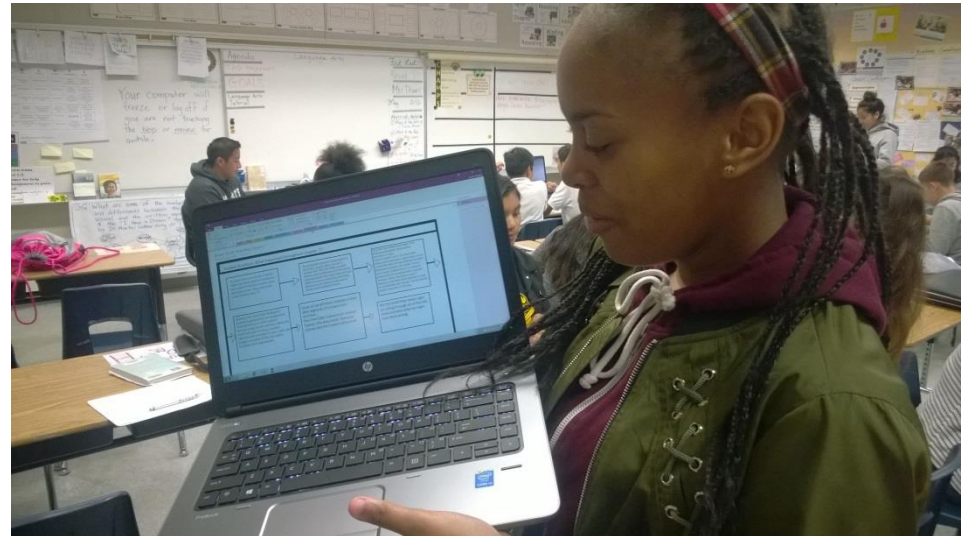
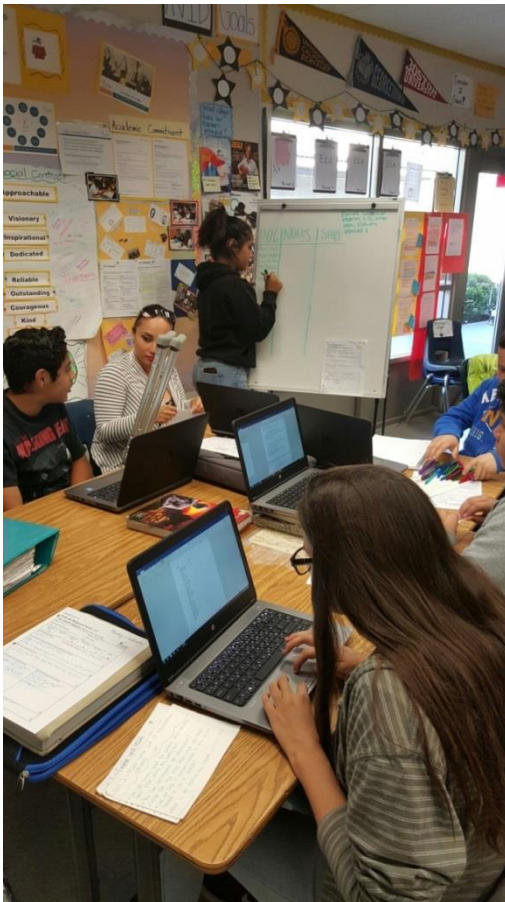
1:1 Laptop Pilot Implementation Plan

The following activities were planned and implemented to support the 1:1 Pilot.

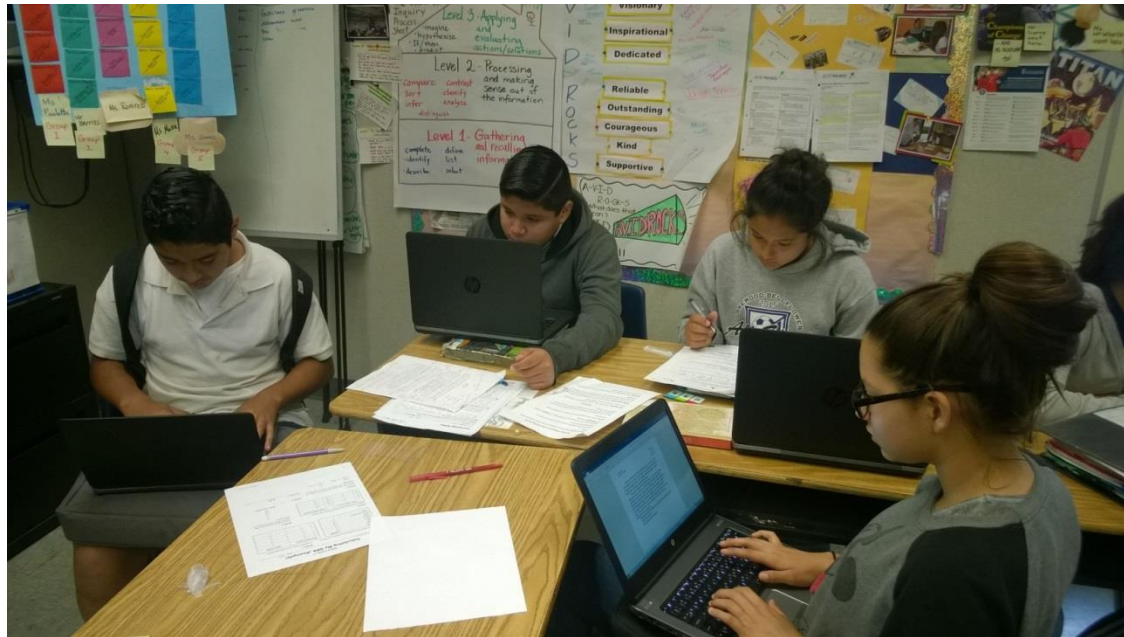


Technology Enhances Learning

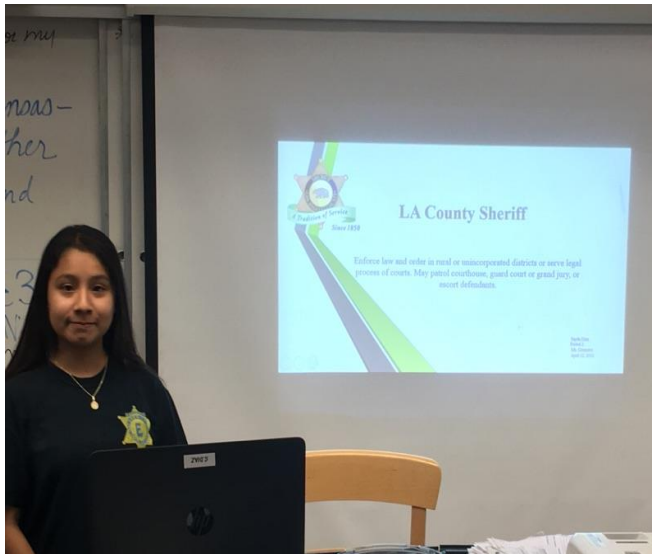
Jackson students use technology to organize ideas and take notes.



Using Technology to Engage Students in the Writing Process



Students Research and Present Career Interests



Protocols Assure Appropriate Use and Accountability

- Written protocols were created for student use and accountability. This included a Laptop Usage Policy and Student Contract (Attachments 2, 3).
- Protocols were reviewed and signed by parents during a mandatory parent meeting.
- A signed Laptop Student Contract was collected before students were assigned their device.

Student/Parent Contract

Paramount Unified School District
Educational Services

Laptop Student Responsibility Pledge/Contract

Student Name _____ Laptop Number _____
School _____ AVID _____ Teacher Grade _____

I acknowledge receiving the laptop device referenced above for use while I remain a student at _____ School. I have read the attached Laptop Usage Policy and Additional Guidelines for Student Responsibility. In order to maintain the privilege of using this Laptop device, I agree to the following:

(Student: Initial each line, please)

_____ I agree to keep this laptop device in my possession at all times. I will not give or lend it to anyone except to return it to the School for upgrades, network connection or repair in case it is damaged.

_____ I agree to carry this laptop device in the padded case provided with the laptop and in my backpack when not using it in class to minimize the chances that it will be damaged, destroyed, or stolen.

_____ I agree to follow the Laptop Usage Policy and Additional Guidelines for Student Responsibility, and will not use this laptop, in or out of school, for inappropriate or unlawful purposes. I agree to turn in this laptop device to the Site Technology Instructional Assistant whenever requested for occasional maintenance, updates, or repairs.

_____ I understand that if this laptop device is lost or stolen, I will notify my AVID teacher and/or a school administrator immediately.

_____ I agree to return this laptop device to the school at the end of the year or if I leave the school.

_____ I agree to keep this laptop device adequately charged for school usage.

_____ I understand that failure to comply with any of these rules and policies will result in the suspension of my use of this laptop device. Restoration of this privilege may require the involvement of the Principal.

Student Signature: _____ Date: _____

Parent Signature: _____ Date: _____

Administrator or Designee: _____ Date: _____

Note: Contract was provided in English and Spanish.

What do parents say?

After three months of implementation, feedback has been highly positive.

I'm grateful that my daughter had the opportunity to be a part of this great experience. I found that the laptop benefited my daughter greatly. She was able to access information she needed pertaining to school work wherever we were.

- Parent of a seventh grade student

What do teachers say?

Computers have enriched the learning process of my students. Having access to technology has made their learning more engaging. My students have opportunities to create power point presentations and in-depth research reports that were not possible before.

--Teacher, Jackson Middle School

Insights from Jackson Principal

Instructional Technology in Other Districts

District	Status
Downey Unified	Moving toward 1:1 implementation
Long Beach Unified	Currently have 1:1 at selected middle and high schools
Norwalk-La Mirada Unified	Currently have 1:1 at all middle schools and selected elementary, high schools.

Overview of Recommended Digital Textbook/Program for 6-8 Language Arts

Presenter:

Christy Marquez, Language Arts/ELD Curriculum
Specialist

Meeting Dates and Topics

Date	Topic
January 26, 2016	Norms, Goals, ELA/ELD Framework Overview
February 10, 2016	District Lens, Program Types
February 23, 2016	Criteria, Materials Review: <i>Houghton Mifflin</i>
March 1, 2016	Materials Review: <i>McGraw-Hill - StudySync</i>
March 8, 2016	Materials Review: <i>Amplify - Amplify ELA/ELD</i>
March 16, 2016	Materials Review: <i>StudySync/Amplify</i> , comparison in Reading, Writing, and ELD
April 12, 2016	Materials Review: <i>StudySync/Amplify</i> , side-by-side lesson comparison Discussion and Consensus

6-8 Textbook Committee Members

Member	Grade or Course	School
Ana Azevedo	6-8 ELA Coach	Alondra
David Carser	8 th Grade ELA	Alondra
Kirsen Veith	6 th Grade ELA	Alondra
Lynn Butler	Principal	Alondra
Yvette Burton	6-8 ELA Coach	Hollydale
Kimberly Forsythe	7 th Grade ELA	Hollydale
Samantha Valdivia	8 th Grade ELA	Hollydale
Maggie Barrera	6-8 ELA Coach	Jackson
Heather Downs	7 th Grade ELA	Jackson
Wendy McWhorter	8 th Grade ELA	Jackson
Leilani Coco	7 th Grade ELA	P. Park
Serena Cowser	6 th Grade ELA	P. Park

6-8 Textbook Committee Members

Member	Grade or Course	School
Jovana Figueroa	6-8 SDC	P. Park
Jennifer Pierson	6-8 ELA Coach	P. Park
Patricia Real	6-8 SDC	P. Park
Jennifer Berkson	6-8 ELA Coach	Zamboni
Jissell Juarez	6 th Grade ELA	Zamboni
Julie Ortiz	7 th Grade ELA	Zamboni
Elisa Williams	8 th Grade ELA	Zamboni
Kimberly Rosales	8 th Grade ELA	TAP
Michelle Ignash	Program Specialist, Special Ed.	Ed. Services
Christy Marquez, Debra Bolds	Curriculum Specialists, ELA	Ed. Services

What is a digital textbook/program?

The recommended digital program for 6-8 Language Arts and ELD is *Amplify ELA and Amplify ELD*.

This program integrates text, images, video, audio, and embedded apps to provide engaging Language Arts and ELD instruction. Students:

- Gather evidence from challenging text.
- Solve complex problems that require the use of written text, video and audio to organize information.
- Communicate in writing with classmates and their teacher in real time.



ca.learning.amplify.com

Welcome to
Amplify.

Sign In

By logging in, you agree that your use of
this Amplify product is subject to the relevant
[Terms of Use](#) and [Privacy Policy](#).

7th Grade ELA ▾



UNIT 7A | 30 Lessons
Red Scarf Girl & Narrative



UNIT 7B | 24 Lessons
Character & Conflict



UNIT 7C | 25 Lessons
Brain Science



UNIT 7D | 25 Lessons
Poetry & Poe



SUB-UNIT 1

Poetry

3 Lessons



SUB-UNIT 2

“The Tell-Tale Heart”

by Edgar Allan Poe

6 Lessons



SUB-UNIT 3

“The Cask of Amontillado”

by Edgar Allan Poe

6 Lessons

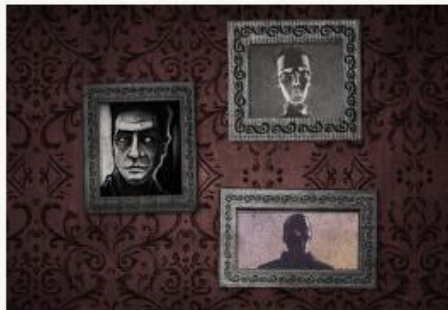


SUB-UNIT 4

“The Raven”

by Edgar Allan Poe

5 Lessons



SUB-UNIT 5

Write an Essay

5 Lessons

Vocabulary Activities

(()) Hello MSELA

Welcome to the Vocabulary App

YOUR WORDS:

stimulates **louder**

wary

play

Version: 1.0 Logout

Background cards include: 'obscurely', 'briskly', 'THE BEGINNING ZOMBIE HANDBOOK', 'astronomy', 'astrology', 'asteroid', 'READ THE EXCERPT CHOOSE THE CORRECT ANSWER', 'ch, and two findings to make new fossils here. I just or', 'The letter secret mean when she says it's hard to select?', 'She's having a hard time looking to the future.', 'entire', 'current me... "The structure of the... Some as I best could...'.

The Tell-Tale Heart



TRUE!—nervous—very, very dreadfully nervous I had been and am; but why will you say that I am mad? The disease dulled t
heard all things in the heaven and in the earth. I heard many things in hell. How, then, am I mad? hearken! and observe how healthily—how calmly I can tell you the whole story.

ADD NOTE

HIGHLIGHT

COPY

It is impossible to say how first the idea entered my

thought up

brain; but once conceived, it haunted me day and night. Object there was none. Passion there was none. I loved the old man. He had never wronged me. He had never given me insult. For his gold I had no desire. I think it was his eye! yes, it was this! He had the eye of a vulture—a pale blue eye, with a film over it. Whenever it fell upon me, my blood ran cold; and so by degrees—very gradually—I made up my mind to take the life of the old

Materials

Amplify ELA comes with materials with reading selections that can be taken home for homework. These materials will meet Williams textbook requirements.

Why Digital?

The use of technology is embedded in all of the new standards, including Language Arts, math and science. The Language Arts Standards state that students will:

"...employ technology thoughtfully to enhance their reading, writing, speaking and listening and language use. They will...integrate what they learn with technology with what they learn off line."

The term "digital divide" describes the gap between regions that have access to current technology and those that do not. We need to assure our students have the same opportunities to enhance and extend learning through technology that students are getting in other parts of the state and country.

Device Options and Projected Costs

Presenter:
Durrell Jackson,
Technology Curriculum Specialist

There are three types of devices to consider as we expand technology use. These include:

- ✓ Laptop
- ✓ Chrome Book
- ✓ Pen Based Laptop

Device Options

Laptop

Life Cycle: App. 6 years
Cost: App. \$700

Standard student notebook computer purchased for 1:1 pilot at Jackson School and SBAC testing.



Chromebook

Life Cycle: App. 3 years
Cost: App. \$300

A lower cost web browser device. Would require replacement after 3 years, requiring \$600 for 6 years.



Pen-Based Laptop

Life Cycle: App. 5 years
Cost: App. \$750

Notebook computer with stylus for note taking and math work.



Device Selection

A focus group of middle school teachers, students and administrators will meet to review each device and make a recommendation on which best supports digital needs across curricular areas.

Classroom Set Up

Each teacher implementing the middle school ELA and ELD program will need the support of a classroom set up to support the class set of devices for students.

This Classroom Set Up includes:

- Pen-Based Laptop
- Docking Station and Monitor
- Projector and wireless connection to laptop
- Cost: App. \$2,200 per classroom



Student uses pen based laptop to record notes.



Pen-Based Laptop (left) connected to full sized monitor (right) at teacher's desk.

Procedures

The following procedures will be used to assure devices are secure and students are accountable for appropriate use and care:

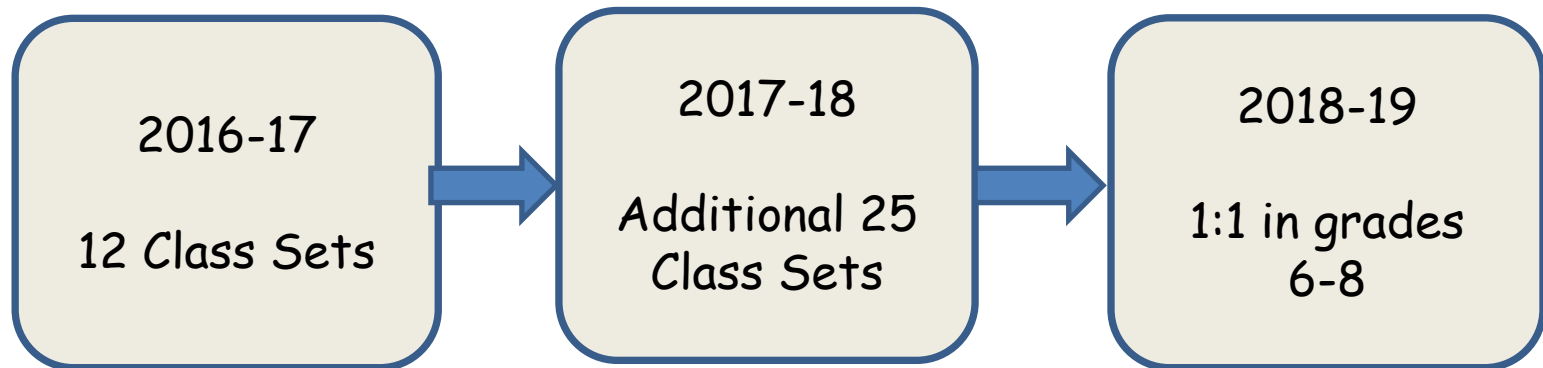
Procedure	Description	Responsibility
Device Check In and Out	<ul style="list-style-type: none">• Students and parents must sign a contract before student is assigned device.• Devices are checked into the computer lab during vacation and at end of school year. Each device is bar coded and maintained in the District's Destiny management system.	Principal Library Technician
Replacement for Loss	<ul style="list-style-type: none">• Each device contains tracking software. Students and parents notify school administration and law enforcement if a device is lost or stolen.• Principal informs Technology and a replacement device is provided.	Principal Technology Dept. Parent/Student
Repair for Damage	<ul style="list-style-type: none">• A replacement device is checked out to students in the event of malfunction or damage while device is repaired.	Principal Technology Dept.

Addressing Digital Citizenship

Digital citizenship is the appropriate, responsible behavior with regard to technology use. Teachers will use the iSAFE curriculum to teach digital citizenship, which addresses:

- Personal safety
- Privacy and security
- Online etiquette

To assure successful implementation, the use of devices will be phased in. This allows for a small, controlled beginning to determine what worked and what to refine before increasing in scale.



Three Year Projection: Instructional Technology

	Description	Use	Participating Classes	Number of Devices
2016-17	Class sets in 12 classrooms among all 5 middle schools	In school	12 classrooms	400
2017-18	Class sets in additional 25 classrooms among all 5 middle schools	In school	Additional 25 classrooms	900
2018-19	1:1 in all 5 middle schools	In school and at home	All 6-8 students	2000

Projected Costs and Funding

	License and Materials	Funding Source	Technology (@\$700 per device)	Funding Source
2016-17	\$42,000	LCAP Base Funds	\$280,000	LCAP S/C Funds
2017-18	\$90,000	LCAP Base Funds	\$630,000	LCAP S/C Funds
2018-19	\$70,000	LCAP Base Funds	\$1,400,000	LCAP S/C Funds
Total for first 3 years	\$202,000	LCAP Base Funds	\$2,310,000	LCAP S/C Funds
Years 4-6	\$250,000	LCAP Base Funds	No or minimal additional cost	No or minimal additional cost

Next Steps

Recommend adoption for adoption and early implementation of 6-8 Language Arts and ELD will be submitted for approval at a future Board Meeting (June 8).

After approval, plan early implementation for 12 selected classes, representing each middle school, to begin in 2016-17. Evaluate progress and communicate results.