

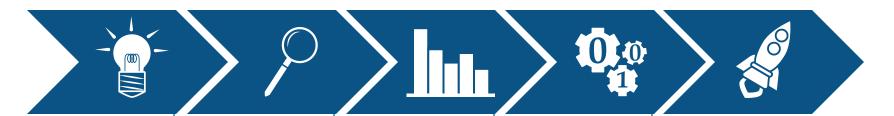


Meta-Analysis of 1-1 Laptops

- Increased achievement in ELA, arts, writing, math, and science
- More student centered and project-based instruction
- Improved engagement
- Improved teacher-student relationships

"For such a program to be effective...schools must focus on crafting comprehensive plans that cover everything from infrastructure to curriculum to pedagogy to professional development."

ROADMAP



Concept

(Dec - March)

Idea Generation

- Requests
- CustomerPain
- Review Best Practices
- Legislation

Key Deliverables Concept Docs

Research (April - June)

Assess Industry

- Benefit Assessment
- Curricular Needs
- Assessment Needs
- Funding

Key Deliverables

Research Report, Supporting Documents, Definition Statement

Analysis

(July - Sept)

Business Analysis

- Cost/Benefit
- Resources Required
- Capital Expenses
- Anticipated Outcomes

Key Deliverables

Business Case, Product Requirement Document

Develop

(Oct-now)

Strategize Tech Plan

- Technology Grouping
- Professional Development
- Curriculum
- Develop Budget
- Develop Timeline

Key Deliverables

Schedule, Technology Plan Document, Forecast Budget

Launch

Implementation

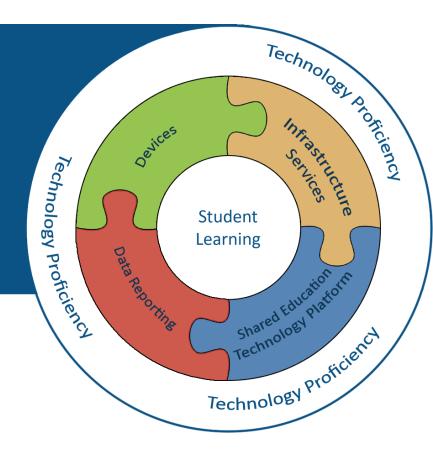
- Finalize Plan
- Distribute Plan
- Publish Plan
- Budget Allocation
- Training

Key Deliverables

Launch Plan, Launch Budget, Student Benefit Forecast Target Launch Date

ACADEMIC TECHNOLOGY VISION

To ensure unprecedented, world-class academic results with technology as a powerful enabler; to provide equitable, rigorous, joyful, engaging, future-ready learning to every student in every school, every day.



VISION IN CONTEXT



Devices



Infrastructure Services



Shared Educational Technology Platform



Technology Proficiency



Data Reporting

- 1: 1 Initiative
- Asset Management System
- Theft Prevention
- Adequate Resource Allocation

- Ubiquitous Internet Access and Network Bandwidth
- Safe and Secure Technology Environment

- Collaborative Tools
- SIS Student/Parent Portal
- Online Learning Tools
- Digital Citizenship
- Accelerating Innovation Cohort
- Cyber Security

- Data Warehouse
- Self-Service Reporting

STRATEGIES FOR AN EMPOWERED AND ENGAGED COMMUNITY OF LEARNERS



D

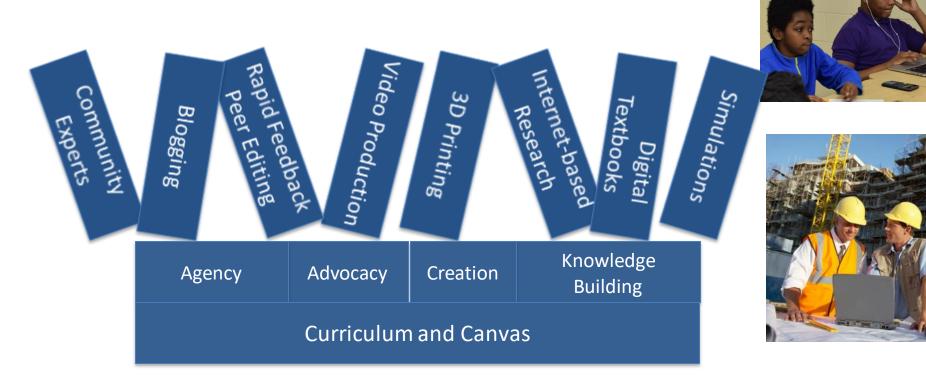
KNOWLEDGE BUILDING



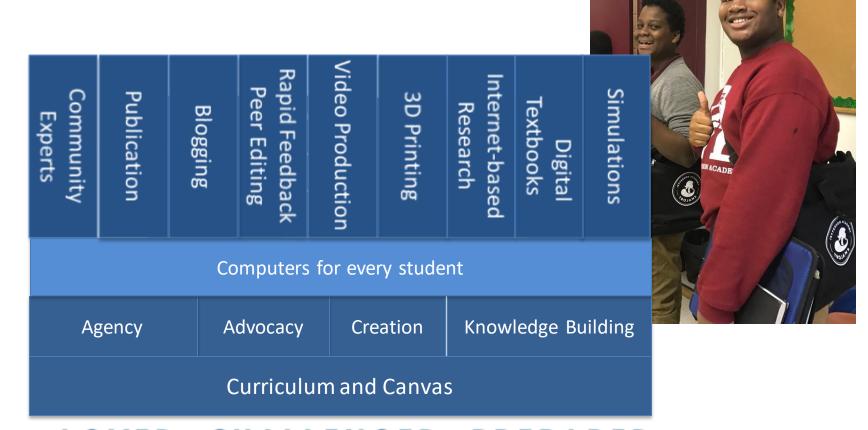


CREATION

LOVED. CHALLENGED. PREPARED.



LOVED. CHALLENGED. PREPARED.



LOVED. CHALLENGED. PREPARED.

SYNERGY

Promote Equity

- 21st Century Skills
- Distance Learning Opportunities

Empower our People

- Shared content and planning for teachers
- Time savings for teachers

Ensure Excellent Schools

- Improve attendance and engagement
- Better instructional decisions

Educate the Whole Child

- Authentic pre-career opportunities
- Improved feedback to support growth

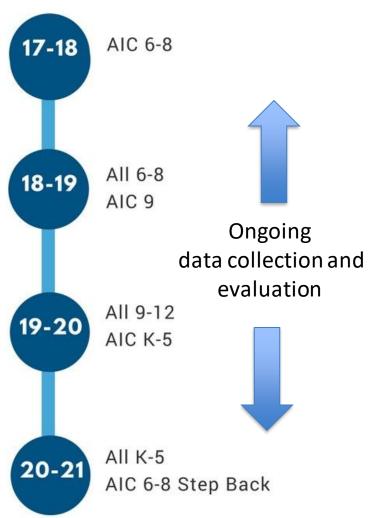
Engage Families

- Access to classroom resources and child's progress
- Technology supports for parents

PHASED ROLLOUT STRATEGY

Fully-Integrated Curriculum and Professional Development Support





LEADING WITH LEARNING

JAN-JUNE

MAR-JUNE

JUNE-AUG

AUG-OCT

OCT-JAN

Course
Companion
(LEAP and
Curriculum)

LEAP
Leaders and
initial LEAP
Integration
School
Leaders PD

PD Training
Center:
Devices,
Platforms,
Curriculum
Integrations

Full LEAP
Integration
PD Day
Integration
Digital
Citizenship
for Students

Student
Rollout
Ongoing
Instructional
Support and
Admin
Coaching

2018-2019 Middle Grades

BUDGETING AND LOGISTICS

2018



BUDGETING

Device Selection
Logistics Plan in
Place
Contract to City
Procurement



WAREHOUSE AND SET UP

Storage
Setup and
Configuration
Prepare Schools



SCHOOL DELIVERY

Delivery to Schools
OCTO Setup
Plan for distribution
to Students

Feb.-April

May-Aug.

Sept.-Oct.

Device Versatility for All Content Areas

World-facing camera

Pen and touch integration

Light weight

External microphone, probes and peripherals

Accessibility support

 Conforms to technical requirements of software in use.





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Accessibility support

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Risks for Mitigation

- Procurement and personnel timeline
- Hiring quality technical support personnel or contractors
- Training event for principals and APs

Appendix A Phase I Rollout Comparison

| Strategy | Strengths | Risks |
|-------------------|--|---|
| Middle School 6-8 | Schoolwide culture change Focused curriculum and PD support Relatively small numbers of schools | Real needs will persist in high school, elementary. Equity gaps may persist due to better implementation at some schools. |
| Grade 3 and 6 | Two grade years instead of 3 to support SY 19-20 doesn't require as much student startup time. | Older students at school feel unserved. Large number of elementary schools to serve before we build technical support staff and expertise. Multiple grade bands of LEAP support to adapt. |
| Wards 5, 6, 7, 8 | Intentional mitigation of equity gaps All grade bands served. Largest schools generally not in this group. | Large curriculum and PD lift due to new work encompassing all grade bands. District must support two versions of everything – curriculum, PD, assessment. Very large number of schools. |

Appendix B Augmenting Our Devices: Key Technology

| Device | Rationale and capability |
|---|---|
| Device monitoring software | Allows teachers to monitor and manage devices of the whole class in real time. |
| Next generation interactive panels | Allows teachers and students to wirelessly share screens on whole-class display. Also useful for distance learning. |
| Device tracking and/or etching | Theft and loss prevention |
| Assistive technology or special-needs versions of devices | Accessibility |

Appendix C Draft Training and Support (SY 16-17)

| Time Frame | Who? | Content |
|----------------|----------------------------------|---|
| February-March | Secondary LEAP Leaders | LEAP module Course Companions: Canvas power tools embedded in Unit 4 LEAP modules |
| April-June | Middle grades teachers | Unit 4 LEAP with Course Companions: Teachers experience key tools (Canvas) to support learning of LEAP content. |
| April-June | OCTO technicians and contractors | Configuration and help desk support of devices |
| May-June | School leaders | Rollout plan, roles, logistics, expectations |
| May-August | School POCs (DSL, etc.) | In-person overview of logistics plan + Canvas self-study to account for late hiring. |
| May-August | Technical coaches | Basic support of all schoolwide technology, full year vision, train the trainer for September teacher-facing modules. |
| May-August | Librarians | Digital Citizenship student-facing module and student assessment. |

Appendix D Draft Training and Support (SY 17-18)

| Time Frame | Who? | Content |
|-------------------|----------|---|
| August-September | Teachers | Plan as part of LEAP Module 1 |
| September-October | Students | Digital Citizenship training and assessment |
| September-April | Teachers | Monthly coaching modules led by tech coaches and librarians |
| October | Students | Startup training – device use and care. |
| August-June | Teachers | Self-study modules on key software. |
| August-June | Students | Course companions |

Appendix E: IRDP Outline

Work Plan Group

| Office | Participants |
|--------|--|
| OTL | Dewayne McClary: Educational Technology Nicole Klues: Canvas TBD from Corie Colgan's team: Curriculum Jen Boudrye: Librarians Karen Cole |
| 0000 | TBD from Beulah Daniel's Team TBD from Doug Hollis' Team |
| OSS | TBD from Jane Spence's team TBD 1-2 principals |
| ОСТО | TBD |
| OE | TBD from Liz McCarthy's team TBD from Andria Caruthers' team |
| OFPE | TBD from Vincent Baxter's team |