Fort Smith Public Schools

Technology
Technology Department – Scope of Support

• 12 Member Team of Support
• Staff and Classroom PCs and Laptops: 3400+
• Chromebooks for Student Use: 9500+
• Average of 8500 Wireless Devices Simultaneously Connected to Our Wireless Network for Internet Access
• Cox Communications’ Largest Fiber Optic Wide Area Network in Arkansas
• 17,000 Active Email / Google Apps Accounts
Current Scope of Digital Conversion 1:1 Initiative

<table>
<thead>
<tr>
<th>Current Implementation</th>
<th>2016-2017</th>
<th>2017-2018</th>
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</thead>
<tbody>
<tr>
<td>Grades 3 and 4</td>
<td>2100 Chromebooks</td>
<td>Grades 5 and 6</td>
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<tr>
<td>Deployed in 17 Schools*</td>
<td>Deployed in 17 Schools*</td>
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<tr>
<th></th>
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<tbody>
<tr>
<td>Grades 7 through 9</td>
<td>Grades 10 through 12</td>
<td>Grades K through 2</td>
<td>Grades 3 through 6</td>
</tr>
</tbody>
</table>

* Sunnymede and Morrison Elementary Schools were part of the pilot program and received their 1:1 devices school-wide in 2014
What is our Strategic Plan for Technology?

Strategy 6

• Provide appropriate technology
• Provide effective support
• Ensure equitable distribution
• Provide for both group and individual instruction
What is the Vision for Technology?

- Provide innovative, inspiring, and engaging instruction
- Deploy digital resources for use anytime, anywhere
- Extend learning beyond traditional school hours and sites
- Teach 21st Century Skills
- Build digital citizenship
- Support standards district-wide
Technology Integration: The SAMR Model

- **Redefinition**: Tech allows for the creation of new tasks, previously inconceivable.
- **Modification**: Tech allows for significant task redesign.
- **Augmentation**: Tech acts as a direct tool substitute, with functional improvement.
- **Substitution**: Tech acts as a direct tool substitute, with no functional change.
What is Our Technology Standard for Every Instructional Classroom?

**Student Devices**
Includes K-12 Students

**4 Year Refresh Cycle**

<table>
<thead>
<tr>
<th>Year</th>
<th>Grades</th>
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<tbody>
<tr>
<td>2018-2019</td>
<td>Grades 7 through 9</td>
</tr>
<tr>
<td>2019-2020</td>
<td>Grades 10 through 12</td>
</tr>
<tr>
<td>2020-2021</td>
<td>Grades K through 2</td>
</tr>
<tr>
<td>2021-2022</td>
<td>Grades 3 through 6</td>
</tr>
</tbody>
</table>

**Annual Cost $1,500,000.00**
What is Our Technology Standard for Every Instructional Classroom?

**Wireless Internet Access**

Wall to Wall Wireless Coverage

5 Year Refresh Cycle

Annual Average Cost $125,000
What is Our Technology Standard for Every Instructional Classroom?

Interactive LCD Projector
Includes All Instructional Areas

4 Year Refresh Cycle

Carnall Elementary
Euper Lane Elementary
Morrison Elementary
Pike Elementary
Ramsey Junior High
Sunnymede Elementary
Woods Elementary

Ballman Elementary
Barling Elementary
Beard Elementary
Cook Elementary
Spradling Elementary
Sutton Elementary
Trusty Elementary

Chaffin Junior High
Darby Junior High
Kimmons Junior High
Northside High School
Southside High School
Belle Point Center

Bonneville Elementary
Cavanaugh Elementary
Fairview Elementary
Howard Elementary
Orr Elementary
Tilles Elementary

Annual Average Cost $475,000
What is Our Technology Standard for Every Instructional Classroom or Area?

Teacher Laptop
Includes All School PCs
4 Year Refresh Cycle

2017-2018
Bonneville Elementary
Cavanaugh Elementary
Fairview Elementary
Howard Elementary
Orr Elementary
Tilles Elementary

2018-2019
Carnall Elementary
Euper Lane Elementary
Morrison Elementary
Pike Elementary
Ramsey Junior High
Sunnymede Elementary
Woods Elementary

2019-2020
Ballman Elementary
Barling Elementary
Beard Elementary
Cook Elementary
Spradling Elementary
Sutton Elementary
Trusty Elementary

2020-2021
Chaffin Junior High
Darby Junior High
Kimmons Junior High
Northside High School
Southside High School
Belle Point Center

Annual Cost $610,000
What Will Our Media Centers Provide in the Future?

Media Centers of the Future

• eBooks for Checkout
• Maker Spaces
• Huddle Spaces for Collaboration
• Inventory Management Solution
• Wi-Fi Hotspots for Student Checkout

Implementation Costs:
Annual Costs: $400,000
What is Our Technology Standard for Every Instructional Classroom?

**Curriculum Management System**
District-Wide Cloud-Based Learning Platform

Annual Cost $140,000
What is Our Technology Standard for Every Instructional Classroom?

Document Camera
Includes All Instructional Areas

4 Year Refresh Cycle

2018-2019
Carnall Elementary
Euper Lane Elementary
Morrison Elementary
Pike Elementary
Ramsey Junior High
Sunnymede Elementary
Woods Elementary

2019-2020
Ballman Elementary
Barling Elementary
Beard Elementary
Cook Elementary
Spradling Elementary
Sutton Elementary
Trusty Elementary

2020-2021
Chaffin Junior High
Darby Junior High
Kimmons Junior High
Northside High School
Southside High School
Belle Point Center

2021-2022
Bonneville Elementary
Cavanaugh Elementary
Fairview Elementary
Howard Elementary
Orr Elementary
Tilles Elementary

Annual Average Cost $125,000
How Will Technology Provide Safety & Security?

**VOIP Phone System**

- Provide New Phone System with Modern Technology Capabilities
- Modernize Phone Systems to Increase Support and Decrease Downtime
- Future Benefits: Mass Notification / Intercom / Bell Schedules
- 2016-2017: 11 Outages
- 2017-2018: 13 Outages to Date

District Implementation Cost  $690,000.00
How Will We Ensure Delivery of Internet Services?

Network Equipment Refresh

• Provide 5 Year Refresh Cycle to Maintain Adequate Bandwidth
• Provide Adequate Access to Network Resources
• Provide Adequate Network for Future Systems: Intercom / Wireless Access / VOIP / Bell Systems

Annual Cost $175,000
How Will We Ensure Delivery of Internet Services?

Power Protection / Internet Uptime

• Provide battery backup to ensure uptime
• Protect current network equipment
• Ensure continuity of wireless online testing

Annual Implementation Costs $65,000
## Fort Smith Public Schools Technology Needs

<table>
<thead>
<tr>
<th>Item</th>
<th>Annual Costs</th>
<th>One-Time Costs</th>
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<tbody>
<tr>
<td>Student Device Replacement Cycle</td>
<td>1,500,000</td>
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<tr>
<td>Wireless Internet Access Replacement Cycle</td>
<td>125,000</td>
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<tr>
<td>Classroom Projector Replacement Cycle</td>
<td>475,000</td>
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<tr>
<td>Teacher Computer Replacement Cycle</td>
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<tr>
<td>Media Center Technology Replacement Cycle</td>
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<tr>
<td>Curriculum Management System</td>
<td>140,000</td>
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<tr>
<td>Document Cameras</td>
<td>125,000</td>
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</tr>
<tr>
<td>VOIP Phone System</td>
<td>125,000</td>
<td>690,000</td>
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<tr>
<td>Network Equipment Refresh</td>
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<td>Power Protection Replacement Cycle</td>
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<td>Subtotal</td>
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<tr>
<td><strong>Current TAC Allocation</strong></td>
<td>-750,000</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td><strong>2,990,000</strong></td>
<td><strong>690,000</strong></td>
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