



**Shelby Eastern Schools
Student Device Life Cycle Replacement Proposal**

Life Cycle Replacement Recommendation:

To ensure a sustainable, cost-effective, and efficient 1:1 technology program, we recommend implementing a **5-year student device life cycle**. This approach provides students with reliable, up-to-date technology throughout their academic journey while optimizing budget planning and device management. By refreshing devices at key grade levels, we can enhance student learning experiences, reduce maintenance costs, and ensure equitable access to functional and secure technology. This strategic life cycle will also streamline inventory management, extend device usability through repurposing, and align with best practices for educational technology deployment.

Life Cycle Distribution Plan - Replacement Overview:

Grades K-4 (Touch-Screen Chromebooks)

- **Replacement Cycle: 5 years**
 - Each grade (K-4) receives touch-screen Chromebooks that are replaced every **5 years**.
 - These devices will be replaced on a rotating cycle with 1st grade receiving the new devices each year.
 - Continue rotating based on the 5-year replacement schedule with the last year rotating back to kindergarten.

Warranty (ADP): $\$25/\text{year} \times 4 \text{ years} = \$100 \text{ total per device}$

- Provided through **Secure Tech Solutions** (Fortville).

Grades 5-12 (Touch Chromebooks)

- **Replacement Cycle: 4 years**
 - **Grade 5** and **Grade 9** receive **new touch Chromebooks** each year.
 - Returned Chromebooks at **Grade 8** and **Grade 12** are converted to the loaner pool for their last year of use.

Warranty (ADP): $\$25/\text{year} \times 4 \text{ years} = \$100 \text{ total per device}$

- Also through **Secure Tech Solutions**.
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Monitoring and Review

- **Annual Review:** Each year, review the condition of devices in all grades to ensure that they are performing well and identify any trends that might require adjustments to the replacement plan.
- **Adjustments:** Be ready to adjust the replacement plan if there are significant changes in technology requirements or student enrollment.

This plan ensures that each student has access to a relatively new device, and the spare pool is robust enough to handle unexpected needs.

Matrix Secondary Students:

Grade	Year 1 (2025-2026)	Year 2 (2026-2027)	Year 3 (2027-2028)	Year 4 (2028-2029)	Year 5 (2029-2030)
5 th	New Devices				
6 th		5th Grade Devices			
7 th			5th Grade Devices		
8 th				5th Grade Devices	Loaner Device
9 th	New Devices				
10 th		9th Grade Devices			
11 th			9th Grade Devices		
12 th				9th Grade Devices	Loaner Device
Spare Pool	8 th & 12 th Grade Devices	8 th & 12 th Grade Devices	8 th & 12 th Grade Devices	8 th & 12 th Grade Devices	8 th & 12 th Grade Devices

Matrix Primary Students:

Grade	Year 1 (2025-2026)	Year 2 (2026-2027)	Year 3 (2027-2028)	Year 4 (2028-2029)	Year 5 (2029-2030)
K					4th Grade Devices
1 st	New Devices				
2 nd		1 st Grade Devices			
3 rd			1 st Grade Devices		
4 th				1 st Grade Devices	

Spare Pool Management

- **Usage:** Devices in the spare pool should be well-maintained and monitored for functionality. They should be used to cover unexpected needs or temporary replacements.
- **Stock Level:** Maintain a stock of approximately 50-100 devices in the spare pool, as it covers potential losses, damage, and other contingencies.

Device End-of-Life (EOL) Management

- **5-Year Lifecycle:** Devices are expected to last four years as a 1:1 device. The devices from 4th grade are rotated back to kindergarten for 5th year of use. After that, 8th & 12th graders' devices are repurposed for the spare pool and eventually phased out as they age.
- **EOL Disposal:** PCs N Stuff out of Indianapolis (Scott Cogdon) will handle the proper disposal of the devices. Including providing certificates of data cleansing.

Budgeting and Planning

- **Annual Budgeting:** Plan for the purchase on average of 205 devices annually.
- **Contingency Funds:** Set aside funds for any unexpected increase in enrollment, damages, or other needs that might require additional purchases.
- **Large Cohorts:** Currently we have two larger cohorts going through school, it is the graduating classes of 2033 and 2031.

	2025-2026		2026-2027		2027-2028		2028-2029		2029-2030	
9th Grade Cohort	2029	95	2030	98	2031	114	2032	98	2033	101
5th Grade Cohort	2033	101	2034	91	2035	96	2036	76	2037	78
1st Grade Cohort	2037	78	2038	?	2039	?	2040	?	2041	?
TOTALS		274		189		210		174		179

Key Points:

- **5th Grade:** Receives new devices every year and that will move with them for use throughout Junior High.
- **9th Grade:** Receives new replacement devices every four years.
- **12th Grade:** Their devices are rotated into the spare pool after four years.
- **Spare Pool:** Contains devices that are four years old, previously used by 8th and 12th graders.