Instructional Technology Device Replacement

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X131e - 4 years old, actually 5

- Release in Jan 2013
- Ordered June of 2014
- Google was going to stop security and OS updates, February 2018. Now June 2018.

Lenovo N42

- 14 Inch Screen
- 4 GB RAM / 16GB Hard Drive
- Spill Proof Keyboard
- Strong Hinges
- Reinforce Ports
- Anti-Peel Keys

What we looked at...

- Strong Companies
  - Handle/have large inventories
  - Strong Chromebook record
  - After sales support
  - Self-maintainer program
- Android Apps
- Rugged/Semi-Rugged
- Security Updates - Nov 2023

Rolling Surge Protectors

300e - x360 - Spin 11

Specifications

	Lenovo 300e	ACER Spin 11	HP 360
Processor	MediaTek™ 8173C Processor (2.10GHz)	Intel® Celeron® N3350 processor Dual-core 1.10 GHz	Intel® Celeron® N3350 processor Dual-core 1.10 GHz
Operating System	Google Chrome	Google Chrome	Google Chrome
Display	11.6" HD (1366 x 768) IPS Multitouch Anti-Glare with integrated camera	11.6" HD (1366 x 768) IPS Multitouch Anti-Glare with integrated camera, Corning® Gorilla® Glass	11.6" HD (1366 x 768) HD BrightView LED UWVA touch with Corning® Gorilla® Glass 3
Graphics	Imagination GX6250	Integrated Intel® HD Graphics 500	Integrated Intel® HD Graphics 500
Battery	Up to 10 hrs with 45 Whr battery	Up to 10 hrs with 45 Whr battery	Up to 12 hrs with 47 Whr battery
Camera	720p HD with microphone	720p HD webcam; World-facing FHD camera	720p HD webcam; World-facing FHD camera
Memory	4GB DDR3L 1600 MHz	4 GB, LPDDR4	4GB
Storage	32GB eMMC	32 GB Flash Memory	32GB eMMC
Ports	1 x USB-C	1 x USB-C	2 x USB-C
	1 x USB 3.0	1 x USB 3.0	2 x USB 3.0
	HDMI		
	SD card reader	MicroSD Card Reader	MicroSD Card Reader
	Headphone/Mic	Headphone/Mic	Headphone/Mic
Connectivity	802.11 AC (2 x 2)	802.11 AC (2 x 2)	802.11 AC (2 x 2)
Dimensions (H x W x D)	11.49" x 8" x 0.83"	11.65" x 8.11" x 0.82"	12.04" x 8.18" x 0.76"
Weight	3 lbs	3.09 lbs	3.1 lbs

Teacher Survey - Current Chromebook Use

"Typing essays, hyperdoc work, creating websites, group work using google docs/drawing/slides, typing homework...so many things! We use them daily."

How ... Future?

"...ideally, I want teachers to have easier access to devices (more devices) for the whole class to fully benefit from using certain apps together at the same time with Google Classroom, Padlet, Kahoot, etc.."
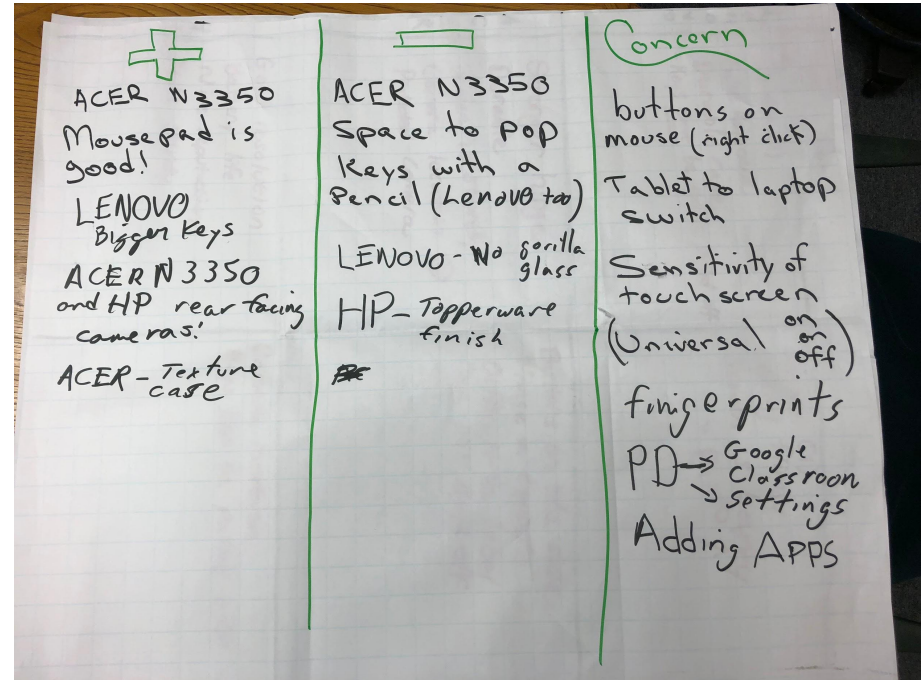
How ... Future?

"...if we were one-on-one, I would do this more frequently so the students could be more fluent and their use would be more integrated into our daily routines as opposed to separate time that we schedule into our day. I would also like to use them for online assessments and classwork that go with our curriculum."

Teacher Review

Photo of teacher input session

Teacher Review

Photo of teacher input session

Chart content (handwritten):

	+	−
Lenovo	Camera (1) - Solid Keyboard Durable Case - Keys <u>can't</u> be easily pulled off	Camera (1) Casing flimsy Screen is bouncy "Pinto" ↑
ACER	Stronger hinge Durable Screen is sturdy Camera location ☺ Protected Camera	Buttons on the side Hinge a concern Difficult to label Can pull keys off
HP	Good resolution Battery life Nice reputation Feels sturdy	Camera location Keys <u>can</u> be pulled off

Consensus

Cost $343 $1,630

Cost Summary

36 Chromebooks + 1 Cart

$15,432

83 Carts with 36 Chromebooks each

Total = $1,280,848