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PURA Welcomes Presenter Scott Ksander



Tech Toys and Other Technology Topics



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Purdue University
Retirees Association

Tech Toys for the Holidays

November 2021



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Scott Ksander
ksander@purdue.edu



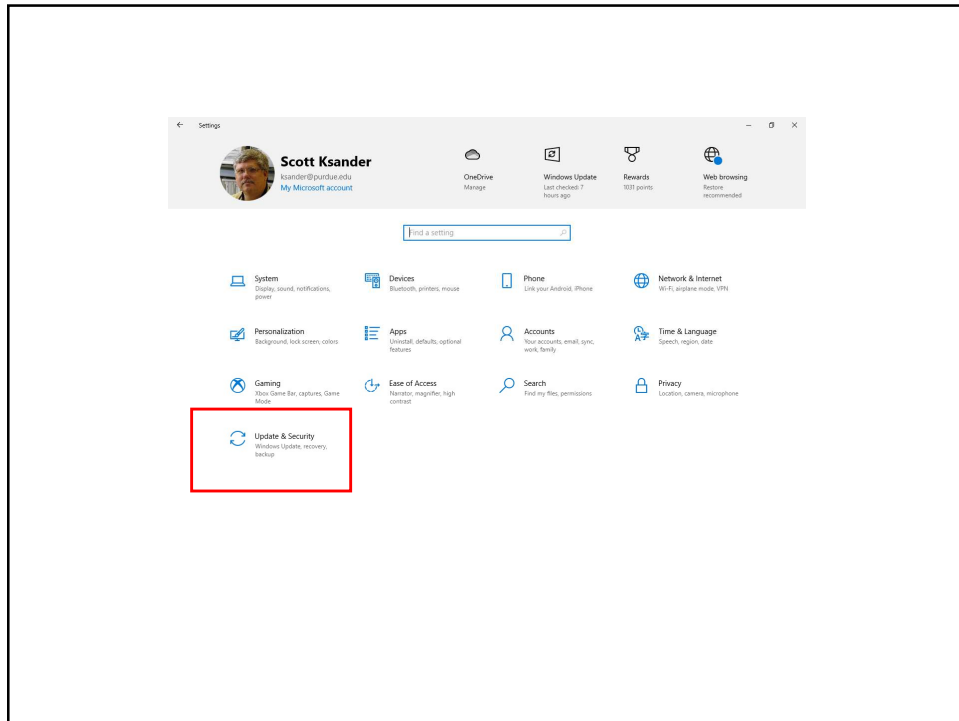
- 40+ years in the IT field, 26 years at Purdue
- Wrote his first program (FORTRAN) when he was in 5th grade. Purdue degree in Computer Science.
- Areas of interest – systems development, networking, security
- In retirement, Scott writes a technology column for the Purdue Retirees Newsletter and does presentations for the Purdue Women's Club
- Scott and Peggy enjoy life with their kids and grandkids – especially on trips to DisneyWorld
- Scott grew up in Chicago and Peggy grew up in Fish Lake, Indiana (city boy meets farm girl at Purdue story – and the adventure continues ...)

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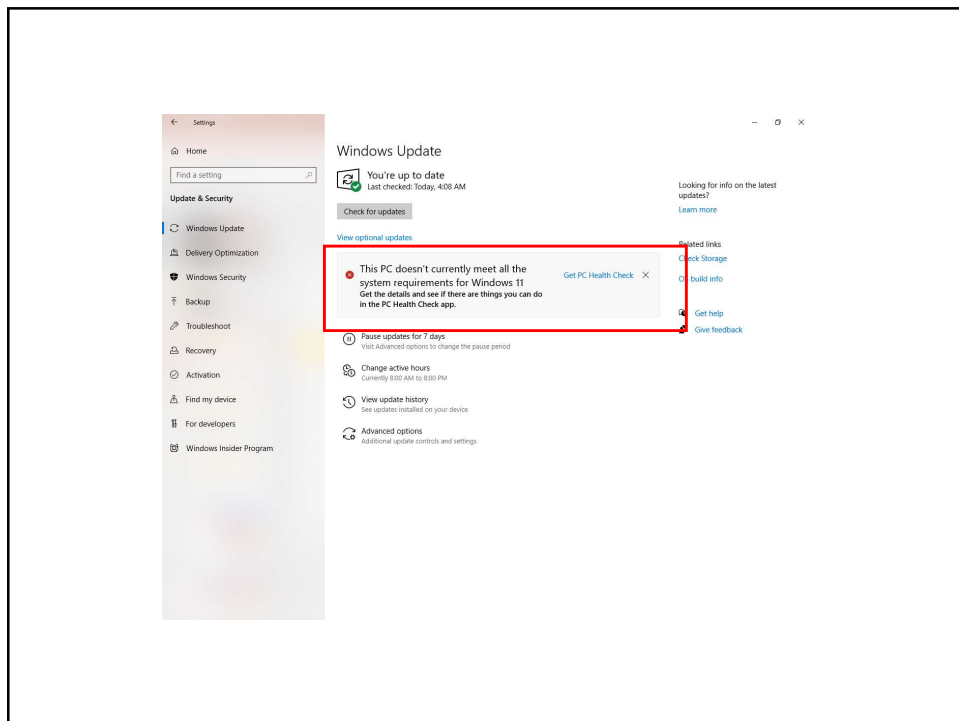
Windows 11

- Better security but all about new hardware
 - Must have “modern processor” and TPM 2.0
 - Estimated that 60% of existing Windows 10 hardware will not upgrade

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Windows 11

- Better security but all about new hardware
 - Must have “modern processor” and TPM 2.0
 - Estimated that 60% of existing Windows 10 hardware will not upgrade
- Questions to ask
 - Am I really ready for this?
 - Will I ever be able to upgrade existing hardware?
 - Do I have a backup and recovery plan?
 - What’s my upgrade strategy – clean install with new hardware?

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Time For A New PC

- For “knowledge workers”
 - Dell XPS 13 Laptop - \$970
- For “mobile professional”
 - HP Elite Dragonfly G2 Notebook - \$1839
- For “workstation users”
 - Lenovo ThinkPad P1 Gen 3 Mobile Workstation - \$1,649
- For “budget aware”
 - Acer Switch 3 Thin & Light Laptop with AMD Ryzen 7 4700U - \$676

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Microsoft Office 2021

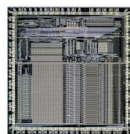
- Alternative to subscription model
- Perpetual License
- Home and Student version - \$150
- Home Office and Business - \$250
- Single installation with guaranteed 5 years of support

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Apple Chip – A Geek Moment

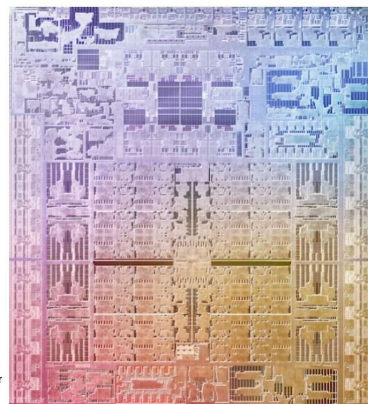
- 1985 - 2021

ARM1 and Apple M1 Max at the same scale



ARM1 processor
~7 mm wide
3 μ m process

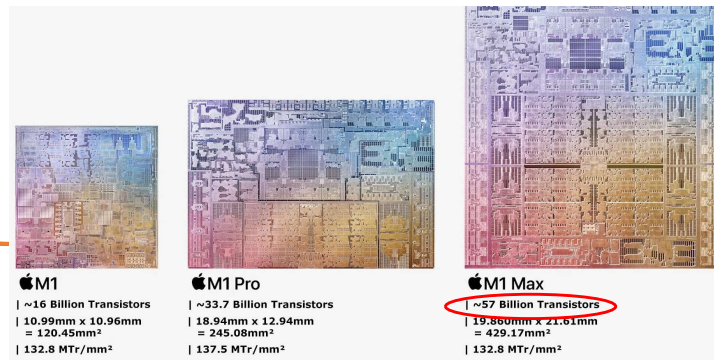
If built with M1 transistors,
the ARM1 chip would be a
pixel-sized dot.



Apple M1 Max processor
estimated 20 mm wide
5 nm process

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Apple Silicon



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Number of Transistors/Gates

- CDC 6600 and IBM 360 had less than ½ Million transistors/gates
- Current iPhone 13 has 15 Billion gates
- New Mac M1 Max has 57 Billion gates!
- 1 Million seconds = 11d, 3h, 46m, 40s
- 1 Billion seconds = 31.5 years!
- 1 Trillion seconds = 31,688+ years

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MacBook Pro – 14" and 16"

- Extraordinary performance (up to 70% faster than M1)
- 17 hour battery life
- 14" - \$1,999
- 16" - \$2,499



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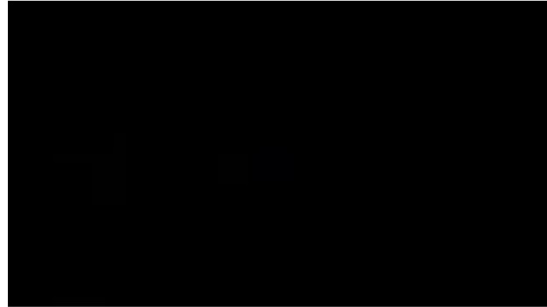
Amazon Tech For The Holidays

Amazon Astro - \$1000



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Introducing Amazon Astro



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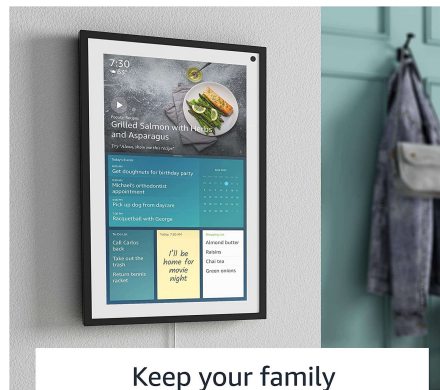
Amazon Tech For The Holidays

Amazon Echo Show 15 - \$250

Full HD (1080p)

5MP Camera

Alexa enabled. Shutter control



Keep your family
organized on one screen

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Amazon Tech For The Holidays

Amazon Glow - \$250

Interactive Projector
Video Calling
Designed for Togetherness, with
Tangram Bits, Kids 3+
Content subscriptions from \$3/mnth
"Day 1 Editions"



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Amazon Tech For The Holidays

Amazon Halo Fitness Tracker

Halo View – \$80

Halo Band - \$85

Membership - \$3.99/month
7-day battery life
Bluetooth connectivity



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Amazon Tech For The Holidays

Amazon Smart Thermostat - \$60

Amazon provides a compatibility checker

Made by Honeywell

May qualify for Energy Rebates



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Amazon Tech For The Holidays

Ring Alarm Pro - \$300

Available November 3, 2021

Introducing
Ring Alarm Pro
Whole-home security with
built-in eero Wi-Fi 6 router



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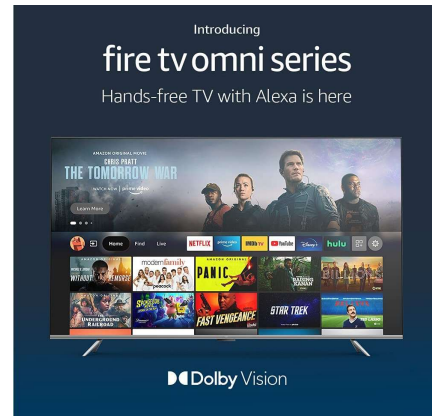
Amazon Tech For The Holidays

Fire TV Omni 4K

65' - \$410

75' - \$1100

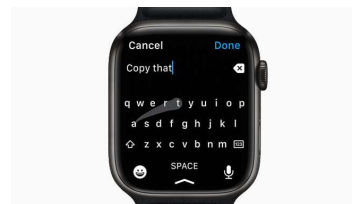
Available October 27, 2021



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Apple Watch 7

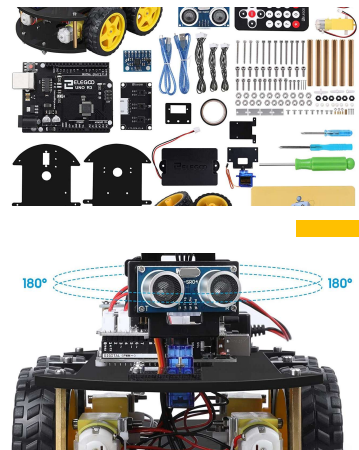
- Starting at \$399
- 20% more screen than Series 6
- 50% more screen than Series 3
- More durable and dust resistant
- Blood oxygen measurement
- EKG measurements
- Screen large enough for keyboard
- Faster charging (30% faster)
- FALL DETECTION (same as Series 6)



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Car Robot Kit

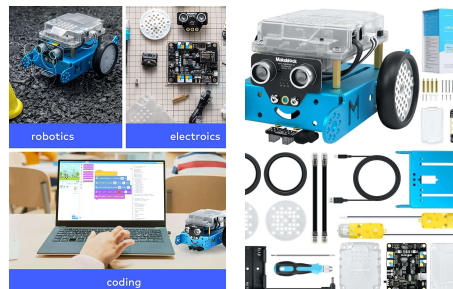
- \$90
- Line tracking module
- Obstacle avoidance sensor
- IR remote control
- Arduino processor with learning guide with Python



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Makeblock mBot

- \$73
- Rich Programming Tutorial
- Open-source with add-on packs available



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Lego Mindstorm

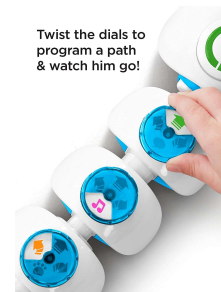
- \$357
- 949 pieces
- 4 motors multiple sensor modules



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Fisher-Price Think & Learn Code-a-pillar

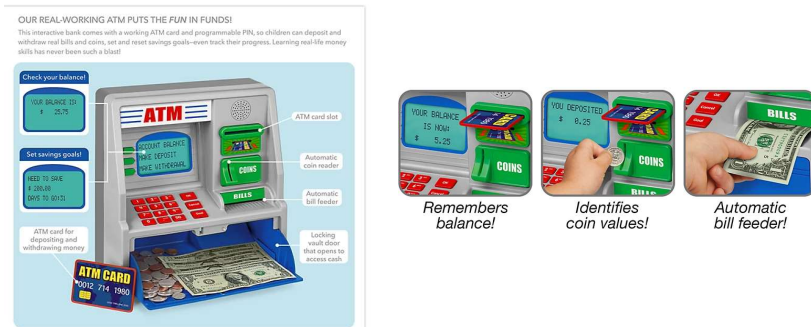
- \$35
- This coding toy for preschoolers will have kids learning and problem-solving from a young age. Kids can program the caterpillar's path while playing with the light up eyes and light effects.



Twist the dials to
program a path
& watch him go!

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Toy ATM - \$60



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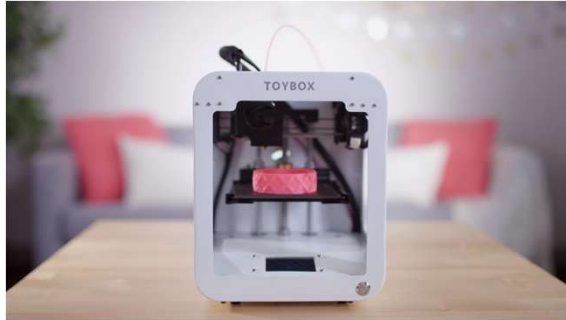
Toybox 3D Printer Deluxe Bundle

\$289



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Toybox Deluxe Bundle



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Moose Toys Little Live Pets Gotta Go Flamingo - \$30

Parents might think this toy is icky, but kids will think it's hilarious: Sherbet is a plush interactive flamingo that moves, talks, eats... and poops. Feed him some reusable flamingo food; he'll wiggle his neck around and swallow it. When he starts to sing, that means he's gotta go: Seat him on his included toilet, and the magic happens. He can also record what kids say and repeat it back to them, so there's play beyond the pooping. Ages 4 and up.



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2022 Insurance Premiums

PURcare

(UHC Senior Supplement plus Part D prescription plan)

- \$280.77/member
 - Note: the 2022 monthly PURcare premium has decreased \$0.66 from the 2021 premium

UHC Medicare Advantage PPO

(including Part D prescription plan)

- \$172.91/member

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WELLNESS UPDATE

Drive-thru VFW Sept 2020	
9/15/2020	279
9/16/2020	223
9/23/2020	241
9/25/2020	35
10/9/2020	72*
Custom Pharmacy	250*
TOTAL:	1,100*

Purdue 2550 Oct 2021 Flu Shots	
10/15/2021	450
10/22/2021	169
10/29/2021	91
Custom Pharmacy	100*
TOTAL:	860*
2021 Wellness Screenings	
10/15/2021	97
10/22/2021	54
10/29/2021	41
TOTAL:	192



*estimates

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PURA UNITED WAY CAMPAIGN DONATION UPDATE

PURA has contributed \$118,985.24 as of October 26, 2021

- PURA has a goal of \$175,347 for the 2021 campaign.
- All United Way mailings for PURA members have gone out. THANK YOU to those who have already contributed!



**United Way
of Greater Lafayette**

Need a pledge card?
Contact bennetwi@purdue.edu or
meberly@purdue.edu or call (317)695-5740.



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Mark Your Calendars!

Upcoming PURA Meetings

December 6, 2021 – PU Bands

- Holiday Fun Fest

January 3, 2022 – Kathy Bunder

- Lafayette Food Finders Food Bank



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THANK YOU

We welcome your questions, ideas, and your feedback.
Your comments can be emailed to the PURA Executive
Board at pura@purdue.edu.



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