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Engagement

Stats last updated

- Page Views: 1,000 in the last 30 days, 1,000 in the last 7 days, 1,000 in the last 24 hours
- Unique Visitors: 1,000 in the last 30 days, 1,000 in the last 7 days, 1,000 in the last 24 hours
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Project#1 | Recycle & Retrofit: Reduce Waste in Style By Upcycling Vintage Electronics!

Project | **Recycle & Retrofit**
Part of **Reduce, Reuse & Recycle | Project** for a chance to win a $200 Amazon gift card!
Upcoming Challenge | Back to Challenges »

Project Ends
Sunday, 12:00 AM, PST

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In the Comments Below: Let Us Know Your Upcycling Ideas!

Let us know which cool piece of vintage electronics you want to upcycle and you could win a Raspberry Pi or Arduino for your project proposal!

The theme this month is Recycle & Retrofit, and it comes from a suggestion from mikeclark. Old radios and game consoles find ones to mind, but your imagination is the limit! Upcycling is the process of converting old or unwanted items into something new. Upcycling is a great way to reduce waste and upcycling vintage Green Electronics with Raspberry Pi or Arduino. Retrofitting Classic Hi-Fi Gear. The idea for this workshop was to inspire us to take and vintage appliances and repurpose them using a Raspberry Pi or an Arduino. As a fan of electronics, you likely have some older electronic lying around that you don't use anymore. Why not give it a new life? Or, if you don't have any old electronics, you can always head to your local thrift store or flea market. For a little stuff you might have lying around, such as an old game console, a computer, or a dead phone? Or, you may have more to grab your hands on something reclaimed from Debbie Stapleton's electronics a museum. The goal for upcycling is to prevent wasting material that could be reused or repurposed into something else. Upcycling is a great way to reduce waste and keep old electronics out of landfills and instead to offer creative ways to upcycle, recycle, and reuse products, and even give them a new purpose.

Upcycling connects the past to present in a way that honors what we cherish from vintage electronics while improving it to make it contemporary using modern technology. Upcycling is a great way to reduce waste and keep old electronics out of landfills and instead to offer creative ways to upcycle, recycle, and reuse products, and even give them a new purpose. Upcycling connects the past to present in a way that honors what we cherish from vintage electronics while improving it to make it contemporary using modern technology. Upcycling is about aesthetics as well as sustainability. Upcycling can make what you once loved, contemporary while not being one of a kind.

Here are some Upcycling Projects to help inspire you:

The Pi Rotary by balaraviolynamics

Radio Magic: Sounds Nice? (part 1) by balaraviolynamics:

- Radio Magic: Circuits and Some Solution (part 2)
- Radio Magic: I Need a Cigar! (part 3)
- Radio Magic: Hardware Hacked, But New Tech Failed a While (part 4)

5Upcycle III Hermes 3000 - Post #4 by jdias

Object Sensing Clock by guyverver

Tempus Fugit by balaraviolynamics

- Tempus Fugit - Part 1: 1978 a.d.
- Tempus Fugit - Part 2: 2018 a.d.
- Tempus Fugit - Part 3: Impact.bit Interfacing 5V Logic
- Tempus Fugit - Part 4: micro:bit 5V SPI

Tempus Fugit is usually installed on "Time Pillar" in Tokaapie, Intermediate time. This is good way to think of upcycling. ... Upcycling is a great way to connect the past to the present.

Your Chance to Win

Be Original	Stick to the Theme
You could come up with a clever niche that makes your project stand out.	Is your theme an idea for a project that doesn't fit the current theme then submit your idea in the community section of the weekly poll.
• The project is just a basic Pi or Pico or Arduino controlling something.	• If you have an idea for a project that doesn't fit the current theme then submit your idea in the community section of the weekly poll.
• Or, it's a project that is not original, but it is commercially available or affordable!	

Use the Forum	Submit Video Proof
• Access the forum to see what is completed, what people think, ideas, or struggles.	• A support ticket will be filed. Let know about the upcoming check-in and process.
• Use the forum as a step by step how-to guide, (wiring, schematics, coding, support drawings, some samples, or whatever you think will be useful!	• Video is not all that is required but you can attach as much video as you like.
	• **You are encouraged to be creative and have as much fun as possible!**

Your Project Examples

Recycle & Retrofit

Your Prizes

Your Grand Prize Winner Wins a $200 Shopping Cart!	Three Pick Place Winners Win a $100 Shopping Cart!
• One Grand Prize Winner Wins a $200 Shopping Cart!	• 3 Pick Place Winners (3 $100 Shopping Cart!

Your Project, Your Ideas!

Be Original	Stick to the Theme
Doesn't matter if you'll have a clean and unique you'll get to decide on upcoming project proposals based on your interests, skill, and take place a couple of months in advance. Themes are broad or unique, we can make your participation regardless of skill set!	**Step 1:** Log in or register on element14. It's easy and free. **Step 2:** Post your project proposal in the forum under **Discussions on your idea**. Video, schematic and text are all welcomed. Share as much or as little as you want. **Step 3:** Post **a video of your progress on your project by the end of the month.** You are free to submit as many blog entries as you like until the beginning of the next theme.
What are Monthly Themes?	**Be sure to include video proof of your project!**
• Each month we will pick a theme and pick a project to work on and share on **Projects**.	Visit **Recycle & Retrofit** to log your project blog **#recycleRetrofit**
• Submit your ideas (proposals) for your projects to get feedback from community members.	**You have until September 14th End of Day to submit your completed project!**
• Submit a project blog, or post a video showcase you are starting or	
What are Monthly Theme Perks?	**A jury consisting of your peers will judge project submissions!**
• Every month (around the 14th of each month) there is **project theme poll**.	
• Vote on which project competitions you want to see for the following month's theme.	
• The theme ideas are based on the community suggestions.	
• Vote for your favorite idea in the poll and the idea that is well with the upcoming theme!	
• Use the idea and ideas from the comments section of the **project theme poll**.	

In the Comments Below: Let Us Know Your Upcycling Ideas!

If your project proposal involves a Pi or an Arduino we may send you a board to help your project along!

Terms and Conditions apply: Project Competitions Terms and Conditions (element14 | Project 1)

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jkutzsch *over 4 years ago*
I keep coming back to this and looking at two specific areas of my "collection".

1. Old tablets, as soon as everyone gets a new one I end up with all of the old ones and have been considering taking an old Insignia tablet and mating it with a Raspberry Pi setup to bring it back to life.

2. Classic Radio Replica. I had picked up a shell of a Classic Radio Replica in the idea of mounting my WAP into it and clearing up my library shelves from the obvious Internet presence. The AP turned out larger then the shell so now I am thinking of doing a combination of Raspberry Pi 4 with SDR to bring the shell up to todays tech. Not sure if I can find a display that would fit the look or just need to stay headless...

jkutzsch *over 4 years ago in reply to jkutzsch*

I am currently leaning toward recycling a tablet for a couple of reasons. A. No one seemed to have a preference otherwise. :-) B. There looks to be another possible Radio project. and C. These guys are piling up and just like the Island of Misfit Toys my office area needs to be reworked to bring life back to these and provide an opportunity to more Raspberry Pi projects! I do have a variety of other neglected tablets but these were the 3 on top of the pile begging to go forth and be a project!

Speaking of Raspberry Pi, I don't have any spare boards sitting around aside from a possible Raspberry Pi Zero. So unless tariq.ahmad may have a spare full size RPi 4 laying around I will be seeing what I can do mixing the tablet with an RPi Zero.

tariq.ahmad *over 4 years ago in reply to jkutzsch*
Hi jkutzsch ,

Its almost Christmas so let me see what I can do. :-)

jkutzsch *over 4 years ago in reply to tariq.ahmad*
That would definitely be interesting to compare versus the RPi zero! Haven't had a chance to do much aside from read about the RPi 4. Now that the RPi 400 has been released... Drool! Lots of advances since I was last playing with the technology! I will keep my eye open for any possible RPi packages coming my way, thank you tariq.ahmad !

hugohu *over 4 years ago in reply to jkutzsch*
Haha yes Tariq is very nice.

Keep in mind power and heat-

you need 3.1A optimally and most likely, active cooling.

If you manage to not do active with a super large heatsink I'd be extremely impressed.

Cameras- 2 for front and rear. Maybe a camera switcher device.

Mics- maybe a HAT

I've made a bulky 7" "tablet" with the 4 before and it was very very painful.

(I don't think you can fit everything into that chassis!)

You'll also need to find adapter boards for the screens, which may be painful

Let me know if you need anything with this, I have a relative small amount of experience...

robogary *over 4 years ago*
Thanks- I cant take credit for the theme suggestion, but whomever did make the suggestion, it is a great idea.

tariq.ahmad *over 4 years ago in reply to robogary*
Hi robogary ,

I think the comment under your name was what I saw when I went to set up the poll. Do you know who originally suggested this idea?

vamptonius *over 4 years ago*
I feel we must preserve all CRT monitors and keep as many as possible in working order as many legacy devices won't display on anything else.

robogary *over 4 years ago in reply to vamptonius*
VGA to HDMI converters are made for getting rid of CRTs.

still need the CRTs to Xray people and warm the room tho

yesha98 *over 4 years ago*
When are the results declared? tariq.ahmad

tariq.ahmad *over 4 years ago in reply to yesha98*
Hi yesha98 ,

I'm working on the winners announcement now and hoping to have it finished today.

hugohu *over 4 years ago in reply to tariq.ahmad*
grimaces

yesha98 *over 4 years ago in reply to tariq.ahmad*
Are they released? tariq.ahmad If yes, please give the link...

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