

# CHARGE UP THE WORLD



STUDENT  
ENERGY  
at  
Western University

## Project Summary

Electronic waste (E-waste) is known to be one of the fastest-growing waste streams on the planet. With production of e-waste coming close to 50 million tonnes each year, there is a clear need for action to be taken.

E-waste encompasses all electrical equipment that are either unwanted, broken or even outdated for usage. E-waste contains a list of chemicals that are very harmful to the environment and people including mercury and lead, when mishandled these chemicals can end up in water, air and in our soil.

Take upon this challenge to start cleaning up those old electronic devices laying around in your house and start charging up the world with the energy and precious metals you save!

## How to Complete

This is a 3 Week Battery Challenge, aimed to help you Identify, Research and Dispose your electronic waste. Use this document and the following pages to complete this project.

**Identify (Week 1):** Identify as many electronics in your home are either unwanted, broken or outdated. There is no need to decide whether you want to dispose of it yet, spend this week identifying as many electronics that can be potentially recycled!



**Research (Week 2):** Now that you have identified a list of electronics that you might consider recycling, let's do some research into them! Use this link to determine if your device falls under any of the categories that e-waste stations accept as electronic disposals.



**Dispose (Week 3):** As your final step, use this link to find the nearest E-waste recycling location to you! Sort out the electronics that you have decided to recycle and record the estimated energy you have saved from the estimations below.

## Project Submission

### Week 1 Identify:

Identify as many electronics in your home are either unwanted, broken or outdated. There is no need to decide whether you want to dispose of it yet, spend this week identifying as many electronics that can be potentially recycled!

**Description:** (Describe and list the electronics you have identified and are considering recycling)

**Reflection:** (After your first week, what did you find most difficult with identifying electronics in your home? What newfound realizations have you had from doing so?)

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## Week 2 Research:

Now that you have identified a list of electronics that you might consider recycling, let's do some research into them! Refer to the Charge Up The World Project Page (or use this [link](#)) to determine if your device falls under any of the categories that e-waste stations accept as electronic disposals.

**Description:** (State the updated list of electronics after you have identified which you would consider recycling, if your device did not fall under any of the categories that Recycle My Electronics accepts, then send us an email with a description and images of the product and we will get back to you with resources to recycle the electronic!)

**Reflection:** (While doing some research into the products in your home and looking through the Recycle My Electronics what have you discovered about recycling old electronics that you were unaware of before?)

## Week 3 Dispose:

As your final step, use this [link](#) to find the nearest E-waste recycling location to you!

Sort out the electronics that you have decided to recycle and record the estimated energy you have saved from the estimations below or contact us for a quote!

- 1 laptop saves 40.1 kwh of energy
- 1 tablet saves 26.47 kwh of energy
- 1 phone saves 13.23 kwh of energy
- 1 television saves 53.3 kwh of energy
- 1 Desktop computer saves 61.5 kwh of energy

**Description:** (Relist all electronics that are being recycled and calculate the estimated energy savings)

**Reflection:** (What were your major takeaways from this experience? What have you realized as you searched for unused electronics in your home, have you had any new discoveries from doing so? How will you continue to play a part in recycling your batteries at home?)

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## How to Submit

1. Follow along and fill out each week's checkpoints by using a PDF editor. (Note: If you don't have a PDF editor, you can type out your answers and insert images into a Microsoft Word or Google Doc file and upload that!)
2. Fill out the submission form, and upload your document there too when prompted.
3. We hope you had a great time participating in our 3 week challenge, share your experience with friends and family and see how much more you can save!

## Contact Us

If you have any questions around this project or the project program, please feel free to reach out to us through email at [western@studentenergy.org](mailto:western@studentenergy.org)

Please include the project title in the subject line so we can be sure to help better!



@studentenergyuwo



Student Energy at Western Univeristy