



THE BIG VISION

What if every public school became a hub for digital education, responsible recycling, and community empowerment?

THE PROBLEM: A DISCONNECT



- Roughly 78% of electronic waste is not recycled globally.¹
- Electronics account for up to 70% of the toxic heavy metals in U.S. landfills.²
- Approximately 112,000 computers are discarded every day in the U.S.³
- About 10% of U.S. households lack broadband internet or a connected device.⁴
- Roughly 85,000 households across Hillsborough and Pinellas Counties, Florida, do not have broadband internet access.⁵

1. International Telecommunication Union. (2024). Global E-Waste Monitor 2024. United Nations Institute for Training and Research. [This is roughly 25,000 households in Hillsborough and Pinellas Counties](#)

2. U.S. Environmental Protection Agency (EPA). (2008). Electronics Waste Management in the United States: Approach 1. [This is roughly 25,000 households in Hillsborough and Pinellas Counties](#)

3. U.S. Environmental Protection Agency (EPA). (2011). Electronics Waste Management in the United States: Facts and Figures. [This is roughly 25,000 households in Hillsborough and Pinellas Counties](#)

4. U.S. Census Bureau. (2021). Computer and Internet Use in the United States: 2021. [This is roughly 25,000 households in Hillsborough and Pinellas Counties](#)

5. U.S. Census Bureau. (2023). American Community Survey 5-Year Estimates: Hillsborough & Pinellas Counties, FL. [This is roughly 25,000 households in Hillsborough and Pinellas Counties](#)

Because of this, now this is our reality:



Nearly half of American workers lack basic digital skills.¹



Despite increasing interest in environmental topics, sustainability education remains supplemental in many schools.²



Although students are often aware of e-waste issues, awareness alone is not enough. Research shows young consumers are not likely to recycle electronics unless they are provided with hands-on programs, clear policies, and behavioral incentives through education systems.³

1. National Skills Coalition. (2020). The New Landscape of Digital Literacy. Retrieved from <https://nationalskillscoalition.org/resource/publications/the-new-landscape-of-digital-literacy/>

2. Miedijensky, S., & Abramovich, A. (2019). Implementation of "Education for Sustainability" in Three Elementary Schools – What Can We Learn About a Change Process? *European Journal of Educational Research*, 8(2), 469–480. Retrieved from <https://files.eric.ed.gov/fulltext/EJ1302276.pdf>

3. Kumar, A., & Dixit, G. (2022). Sustainable Behavior with Respect to Managing E-Wastes: Extending the Theory of Planned Behavior. *International Journal of Environmental Research and Public Health*, 19(1), 1–17. Retrieved from <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9819177/>

What if we could teach kids about the importance of recycling electronics and gamify their learning experience, so schools, teachers and students can win prizes, and experiences?



What if we could create a way for cities, counties, schools districts, and communities to finally get on the same page when it comes to teaching residents about sustainability, recycling, and the importance of giving back?



“

What if we could solve the e-waste problem, and ensure every kid and family in our community has access to technology, connectivity, and education?

”



INTRODUCING: e-Waste Challenge

A flagship program by



THE SOLUTION:



Gamify e-recycling, through experiential learning.

Digital missions

That teach sustainability



Mobile friendly web-app

With points, leaderboards, and badges



Teachers

Receive plug-and-play lesson plans + tracking tools



Schools

Become active digital learning and recycling hubs



RECYCLE



PLAY



LEARN



EARN MONEY AND PRIZES

HOW IT WORKS?



SCHOOLS AND TEACHERS SIGN UP, AND BECOME AN E-RECYCLING HUB.

STUDENTS COMPETE BY SELECTING THEIR TEACHER.

WEEKLY AND MONTHLY CHALLENGES THAT TEACH AND GAMIFY E-RECYCLING, AND SUSTAINABILITY.

STUDENTS AND STAFF BRING THEIR OLD DEVICES FROM HOME FOR RECYCLING.

THE SCHOOLS THAT RECYCLE THE MOST GET A CASH REWARD.

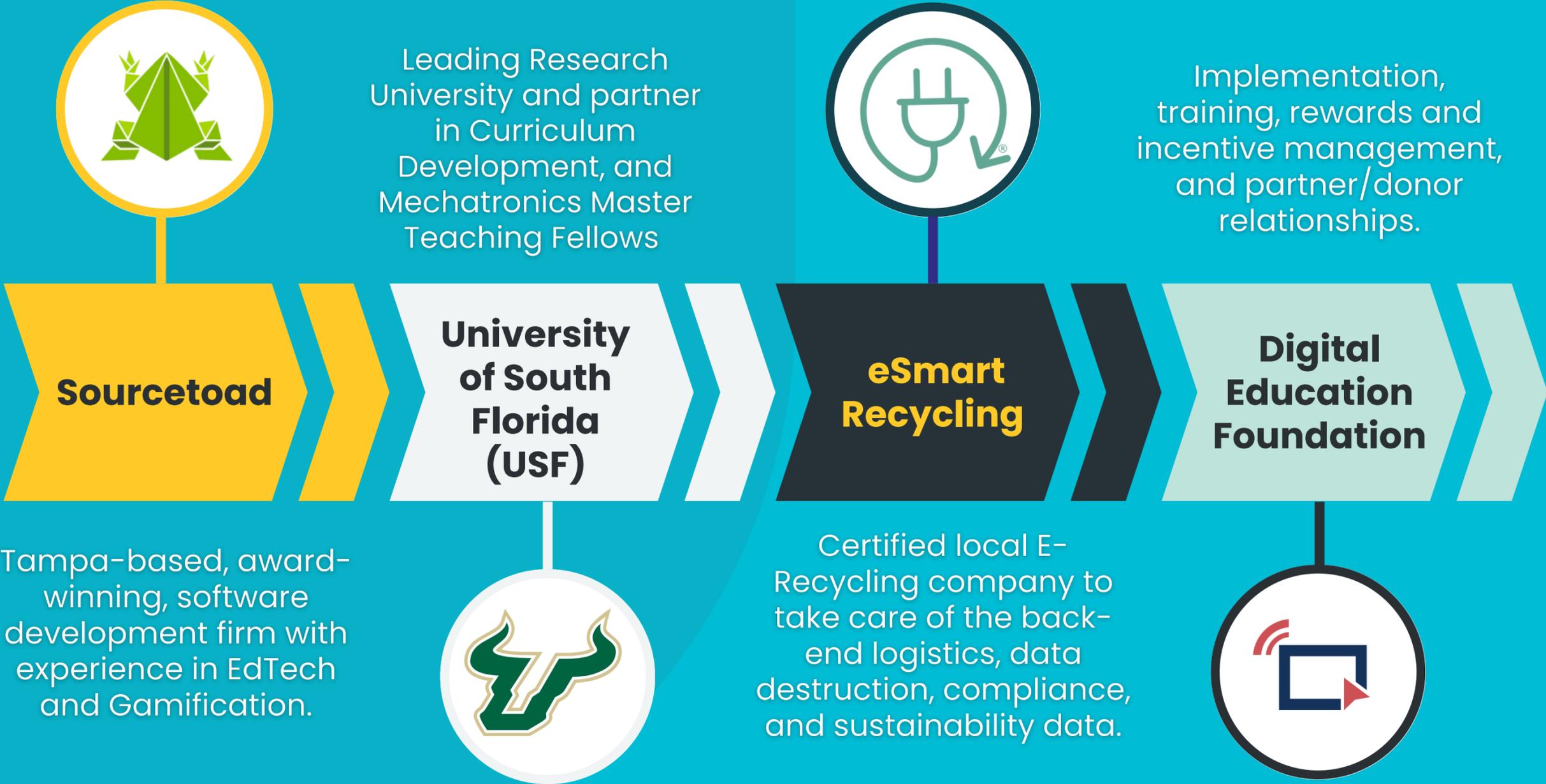
THE TEACHERS AND STUDENTS WHO COMPLETE MORE CHALLENGES WIN PRIZES AND EXPERIENCES!

COMPETE ON SCHOOL-WIDE AND COMMUNITY LEADERBOARDS.

BECOME THE NEXT E-WASTE CHAMPION!!



STRATEGIC PARTNERSHIPS



INITIAL TRACTION

MVP under development with validated designs

Formal partnerships: Sourcetoad (dev), USF (curriculum), eSmart Recycling (devices)

10 schools in Hillsborough County ready for pilot in Q4 2025

First working prototype completed and in internal review

Home Foundation Activities **Schools** School Portal Leaderboard Log in Sign Up

Schools Program

Join our network of schools committed to reducing electronic waste and educating the next generation about sustainability.

Register Your School Learn More

Why Join Our Program?

Our e-waste recycling program offers numerous benefits for schools, teachers, and students.

Benefits for Schools

Participating schools receive recognition, resources, and support to implement effective e-waste recycling programs.

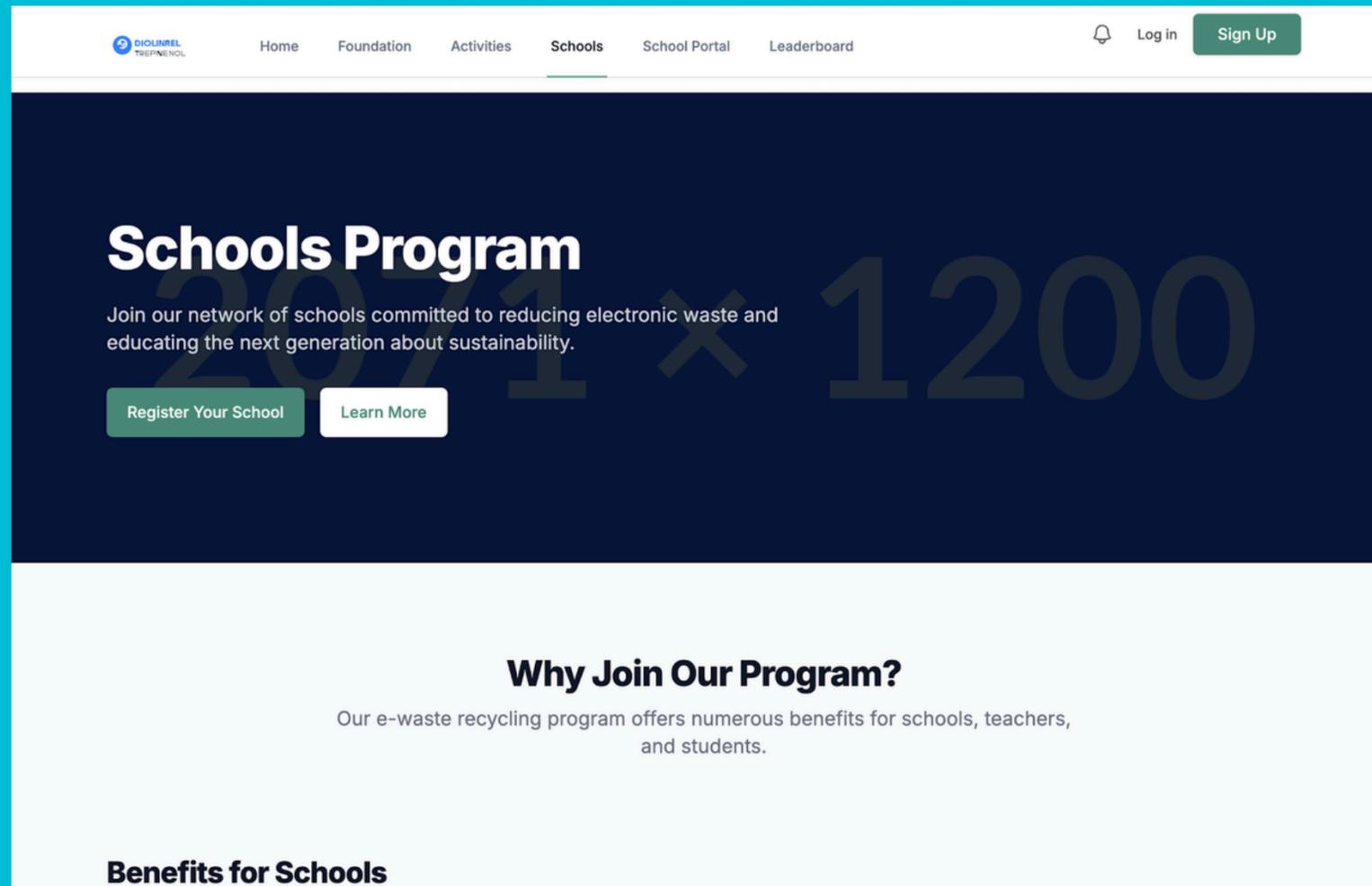
- Recognition and Awards**
Schools receive public recognition for their environmental efforts and can win awards based on their performance.
- Educational Resources**
Access to curriculum materials, lesson plans, and activities that align with educational standards.
- Community Engagement**
Strengthen community ties by involving parents and local businesses in sustainability efforts.

Student Benefits

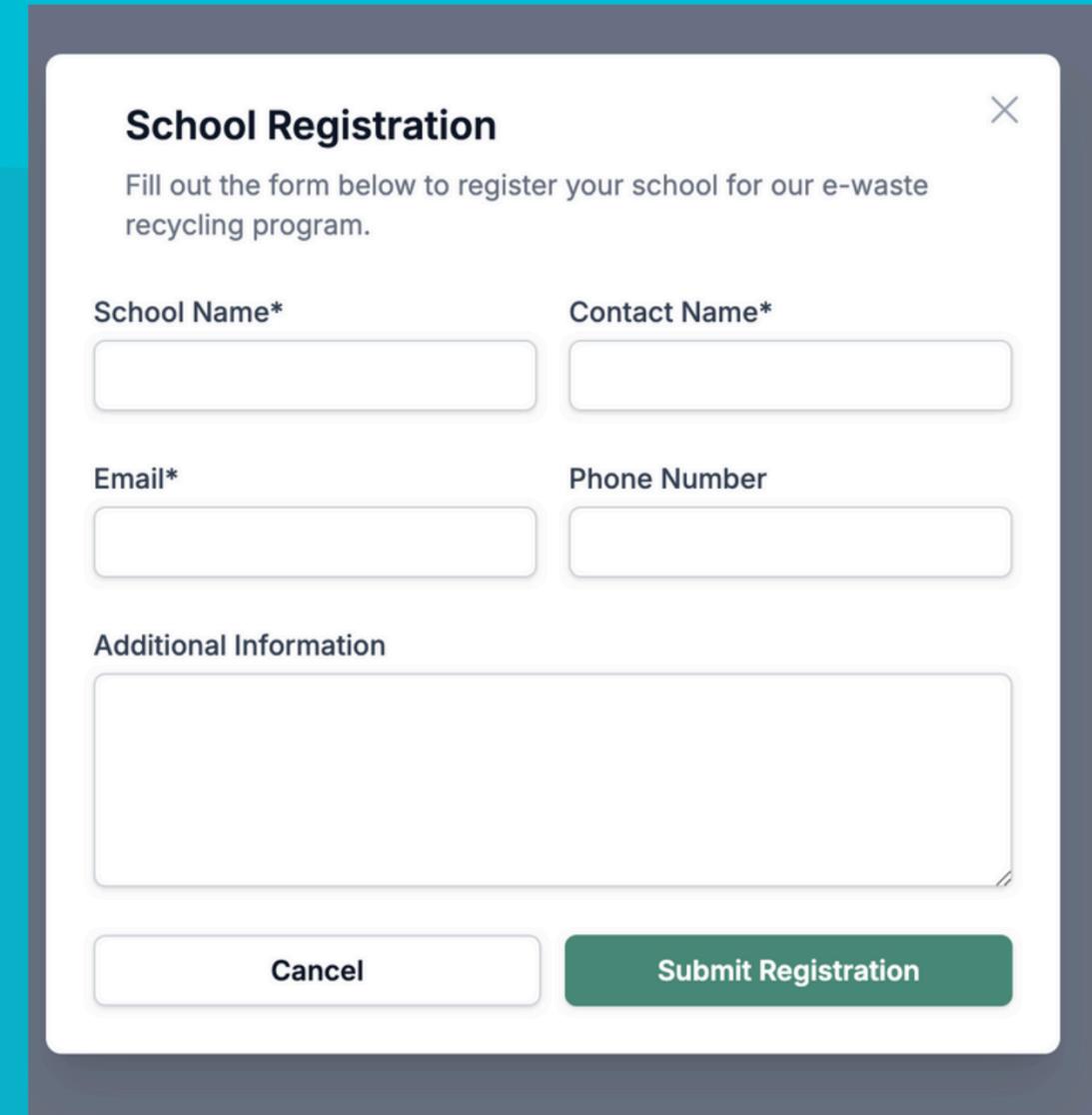
Students gain valuable knowledge, skills, and experiences while making a positive impact on the environment.

- Environmental Education**
Learn about environmental issues, sustainability, and the importance of responsible consumption.
- Leadership Opportunities**
Develop leadership skills by organizing collection events and promoting recycling initiatives.
- Rewards and Recognition**
Earn points, badges, and recognition for participation and

School Onboarding



School Onboarding Page



School Registration

School Administrator Portal

Access exclusive resources and tools to manage your school's e-waste recycling program.

- ✓ Download materials for promoting the program to students and parents
- ✓ Manage e-waste collection and schedule pickups
- ✓ Track your school's impact and progress

Administrator Login

Enter your credentials to access the school portal

Email Address

school.admin@school.edu

Password

Remember me

[Forgot password?](#)

Sign in →

Or

[Back to schools information](#)

For demo purposes, use admin@admin.edu with any password

School (or Teacher Leader) Login

[Home](#)
[Foundation](#)
[Activities](#)
[Schools](#)
[School Portal](#)
[Leaderboard](#)

[Log in](#)
[Sign Up](#)

School Administrator Portal

Access resources and manage your school's e-waste recycling program

327
Devices Donated

1240 kg
e-Waste Recycled

85%
Student Engagement

#8
School Ranking

Downloadable Materials

600 x 400

Poster

Program Introduction Poster

A poster explaining the e-waste recycling program for school notice boards.

[Download](#)

600 x 400

Document

Parent Communication Letter

Template letter to send home to parents explaining the program and how they can support it.

[Download](#)

600 x 400

Flyer

Collection Day Flyer

Customizable flyer announcing e-waste collection days at your school.

[Download](#)

600 x 400

Educational

Classroom Engagement Activities

Activities and worksheets for teachers to use in the classroom.

[Download](#)

600 x 400

Tool

Impact Tracking Sheet

Spreadsheet for tracking the amount of e-waste collected at your school.

[Download](#)

600 x 400

Guide

Student Ambassador Guide

Guide for student leaders to help promote the program within the school.

[Download](#)

Admin Tools

Program Implementation

Tools to help implement the program effectively in your school.

[View implementation guides →](#)

Parent Communication

Resources to help communicate the program to parents effectively.

[View communication templates →](#)

Request Electronics Pickup

Schedule a pickup when your collection bins are full.

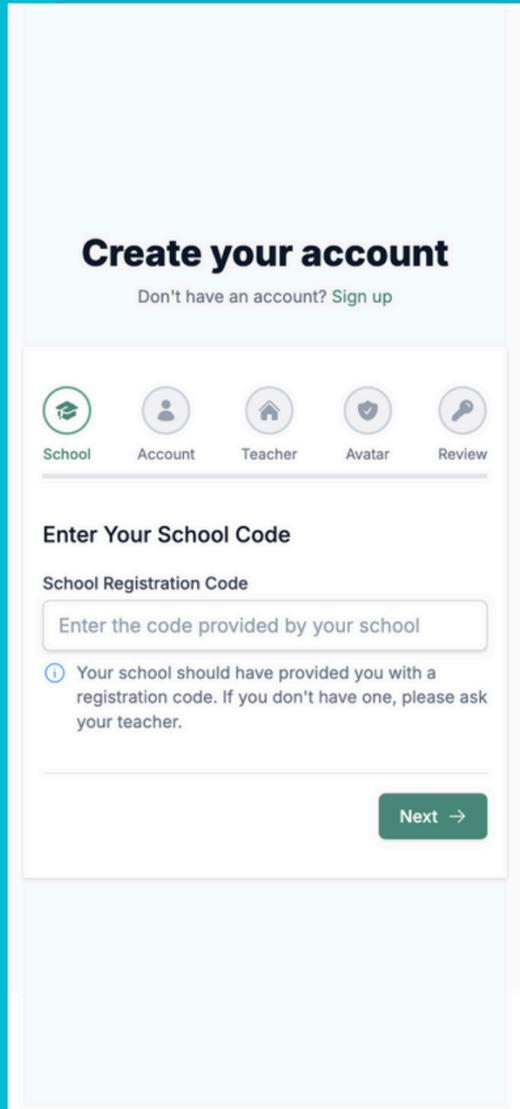
[Request Pickup](#)

Support

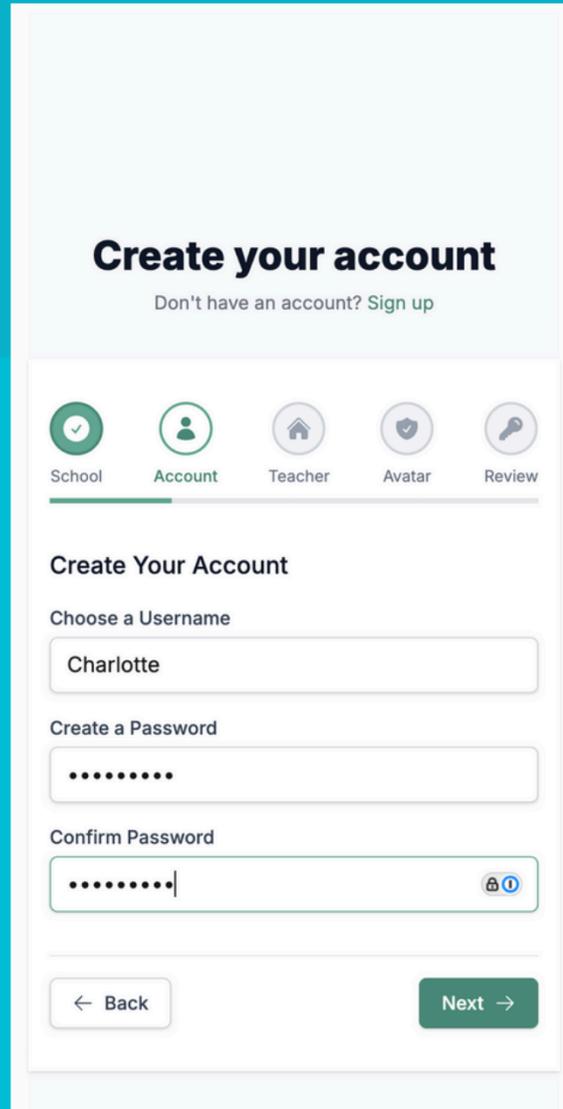
Need help? Contact our support team for assistance.

[Contact support →](#)

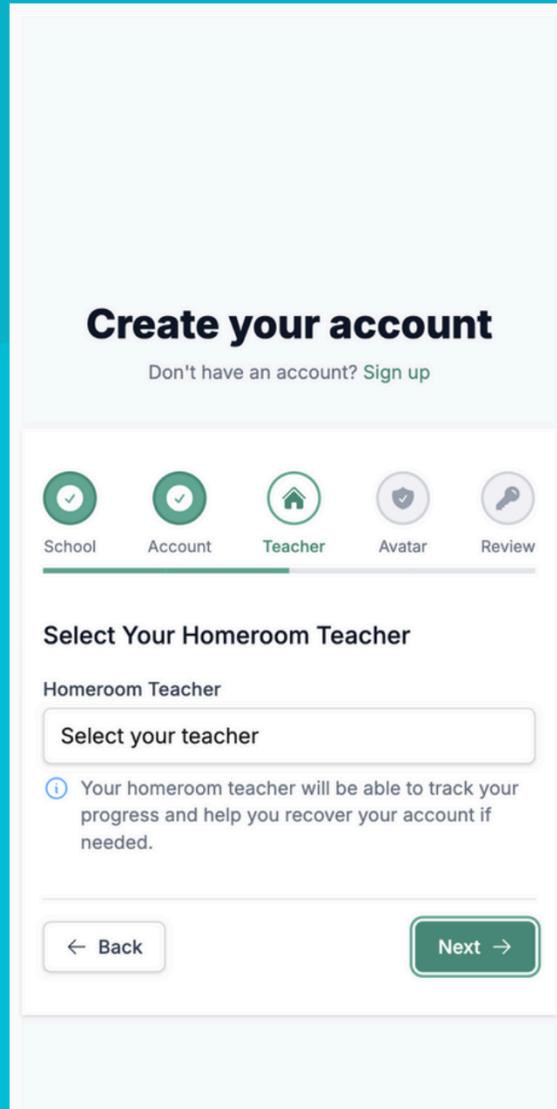
School Porta



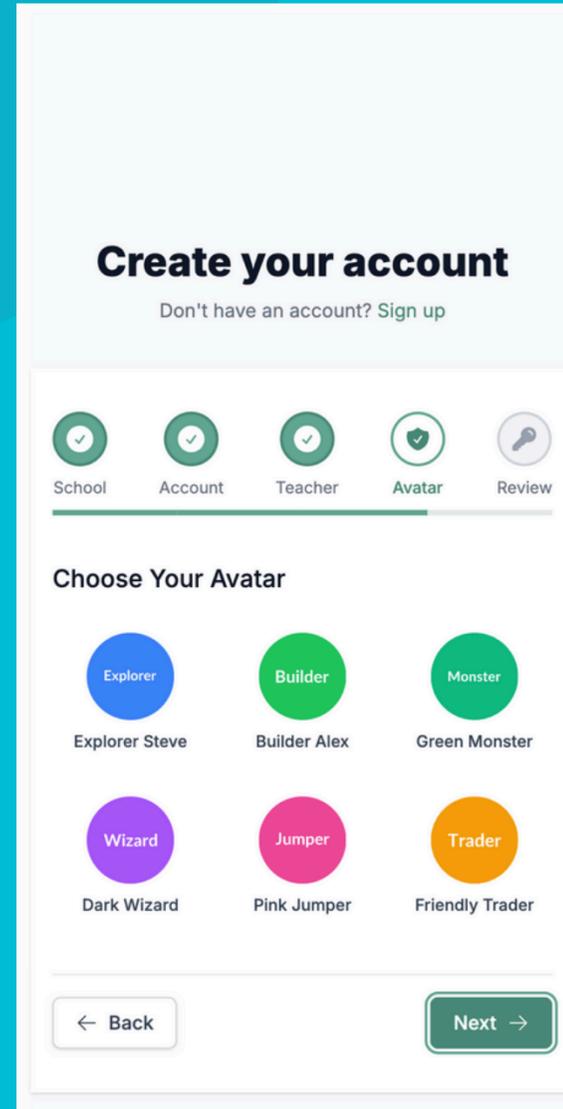
**Students SignUp -
School Code**



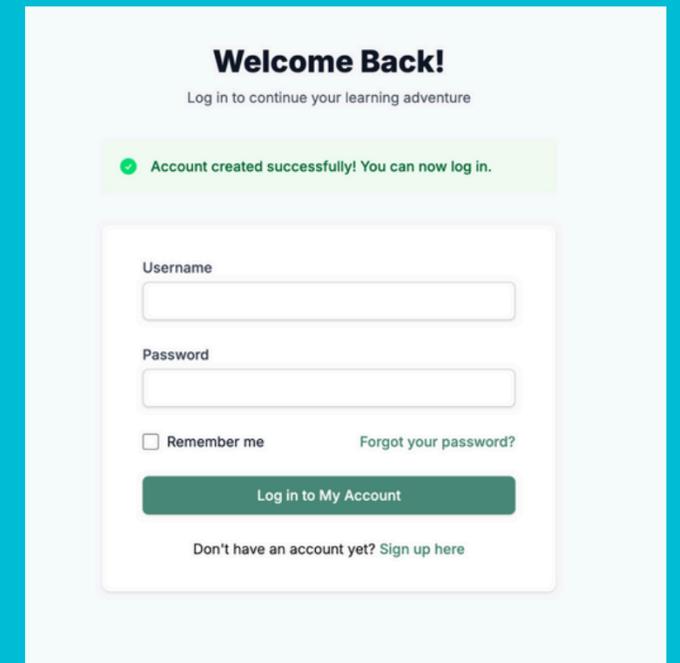
**Students SignUp -
Account**



**Students SignUp -
Teacher**



**Students SignUp -
Avatar**



**Students SignUp -
Creation Confirmation**

Welcome Back!

Log in to continue your learning adventure

Username

Password

Remember me

[Forgot your password?](#)

Log in to My Account

Don't have an account yet? [Sign up here](#)

Students Login

Student Dashboard

A

Alex Johnson
Grade 11 - Hillside High School

Rank
#1
in your school

Total Points	1,250
Lessons Completed	20 lessons
Quizzes Completed	12 quizzes
Waste Recycled	80 lbs
School	Hillside High School - Springfield, IL

Learning Progress

83% 20 of 20 lessons

Badges Earned

8 of 5

Recycling Pledge

Knowledge Seeker

E-Waste Champion

Quiz Master

Environmental Hero

[View all badges](#)

School Leaderboard

	You <small>Grade 11</small>	1,250
	John Smith <small>Grade 10</small>	880

[View Full Leaderboard](#)

Recent Activity

Your latest achievements and contributions.

	Completed Introduction to E-Waste lesson	2 days ago
	Earned Recycling Pledge badge	3 days ago
	Scored 80% on E-Waste Basics quiz	5 days ago
	Recycled 5.2 lbs of electronic waste	1 week ago

Recommended for You

Continue your learning journey with these modules. [View all modules](#)

2070 × 800

Recommended

Environmental Impact of E-Waste

Understand how improper disposal affects our planet and ecosystems.

20 min
Start

2070 × 800

Recommended

Reusing Electronic Components

Discover how parts from old electronics can be repurposed and reused.

20 min
Start

2070 × 800

Recommended

Responsible Recycling Methods

Learn about the best practices for recycling different types of electronic devices.

20 min
Start

[Home](#)
[Foundation](#)
[Activities](#)
[Schools](#)
[School Portal](#)
[Leaderboard](#)
[Log In](#)
[Sign Up](#)

E-Waste Challenges

Complete challenges, earn points, and make a real impact on electronic waste.

LV2 **Test User**
 105 Points

Level 2 Level 3
125 / 250 points to next level

Your Badges



Recycling Rookie



Knowledge Seeker



E-Waste Champion

Challenge Categories

[All Challenges](#)
[Fundamentals](#)
[Recycling](#)
[Sustainability](#)
[Technology](#)
[Community](#)

Beginner 🔒

Q1

What is E-Waste? 👁️ 25

Learn the basics of electronic waste and why it matters for our planet.

📺 Video 🕒 3 min

Progress 100%

👤 82% completion rate Replay →

Beginner 🔒

Q2

E-Waste Quiz: Basics 👁️ 30

Test your knowledge of e-waste fundamentals with this quick quiz.

📄 Quiz 🕒 3 min

Progress 100%

👤 88% completion rate Replay →

Beginner 🔒

Q3

Environmental Impact of E-Waste 👁️ 40

Discover how improper disposal of electronics affects our environment.

📺 Video 🕒 8 min

Progress 100%

👤 78% completion rate Replay →

Beginner 🔒

Q4

Identify E-Waste Components 👁️ 35

Interactive challenge to identify different components in electronic devices.

🎮 Interactive 🕒 4 min

Progress 0%

👤 81% completion rate Start →

Beginner 🔒

Q5

Environmental Impact Quiz 👁️ 40

Test your knowledge about how e-waste affects our planet.

📄 Quiz 🕒 4 min

Progress 0%

👤 72% completion rate Start →

Intermediate 🔒

Q6

Proper Recycling 👁️ 60

Learn the correct ways to dispose of different types of e-waste.

Complete required challenges to unlock!

👤 65% completion rate Start →

Badges to Earn

Complete challenges to earn these exclusive badges and showcase your accomplishments!

🏆

Recycling Rookie Earned

Recycled your first 10lbs of e-waste

🏆

Knowledge Seeker Locked

Completed 5 learning modules

🏆

E-Waste Champion Locked

Recycled over 50lbs of e-waste

🏆

Quiz Master Locked

Scored 100% on 10 quizzes

🏆

Environmental Hero Locked

Earned 1000 points overall

Students Activities page

Leaderboard

Track the progress of schools and students in our e-waste recycling competition.

Schools
Students

School Rankings

RANK	SCHOOL	LOCATION	TOTAL RECYCLED	EFFICIENCY
1	R Riverside Academy 1200 students	Riverdale CA	2,100 lbs 65.6% of total waste	1.8 lbs per student ↑ 12% increase
2	V Valley View High 950 students	Phoenix AZ	1,900 lbs 67.9% of total waste	2.0 lbs per student ↑ 12% increase
3	H Hillside High School 850 students	Springfield IL	1,800 lbs 72.0% of total waste	2.1 lbs per student ↑ 12% increase
4	L Lakewood Prep 620 students	Lakewood WA	1,300 lbs 72.2% of total waste	2.1 lbs per student ↑ 12% increase
5	C Crestwood School 450 students	Denver CO	1,100 lbs 73.3% of total waste	2.4 lbs per student ↑ 12% increase

Overview Statistics

Total Schools

5

Total Students

5

Total E-Waste Recycled

8,200 lbs

Top 5 Schools by Recycled E-Waste

School	Recycled E-Waste (lbs)
Riverside Academy	2,100
Valley View High	1,900
Hillside High School	1,800
Lakewood Prep	1,300
Crestwood School	1,100

E-Waste by Category

Category	Color
Computer Equipment	Green
Mobile Devices	Blue
Printers & Cartridges	Purple
Batteries	Orange
Cables & Accessories	Pink

Leaderboard

YOUR LOGO HERE

e-Waste Challenge

Complete challenges, earn points, and make a real impact on electronic waste.

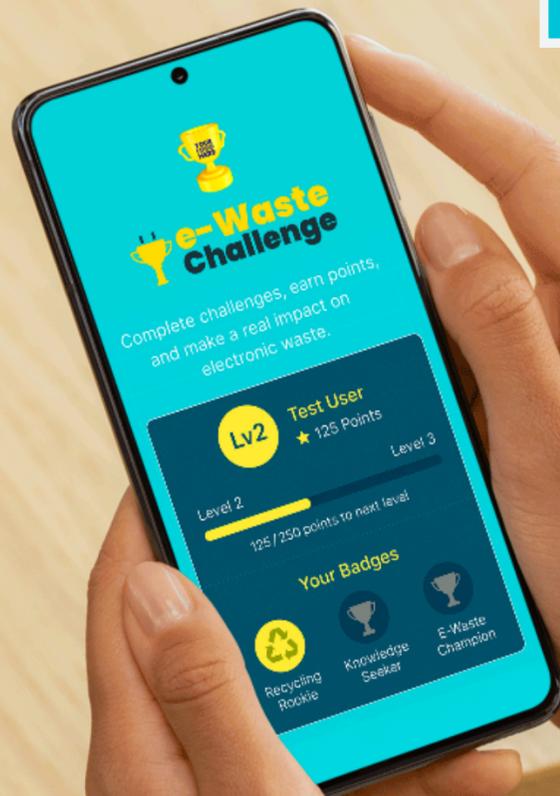
Lv2 Test User
★ 125 Points

Level 2 Level 3

125 / 250 points to next level

Your Badges

Recycling Rookie Knowledge Seeker E-Waste Champion



e-Waste Challenge

Complete challenges, earn points, and make a real impact on electronic

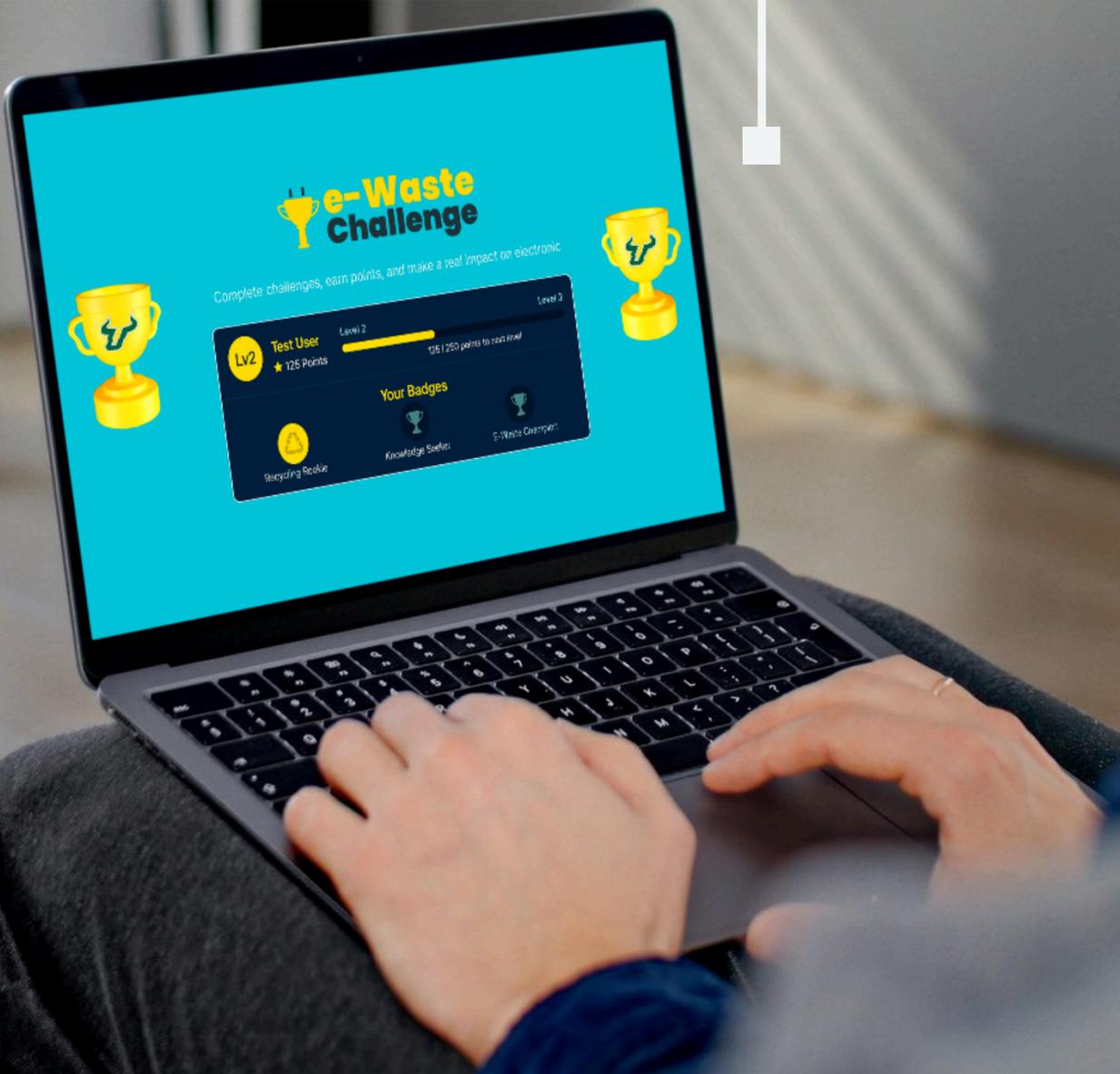
Lv2 Test User
★ 125 Points

Level 2 Level 3

125 / 250 points to next level

Your Badges

Recycling Rookie Knowledge Seeker E-Waste Champion



2025 ROADMAP – MVP PHASE 1



**Launch in 10
Hillsborough
County
schools**

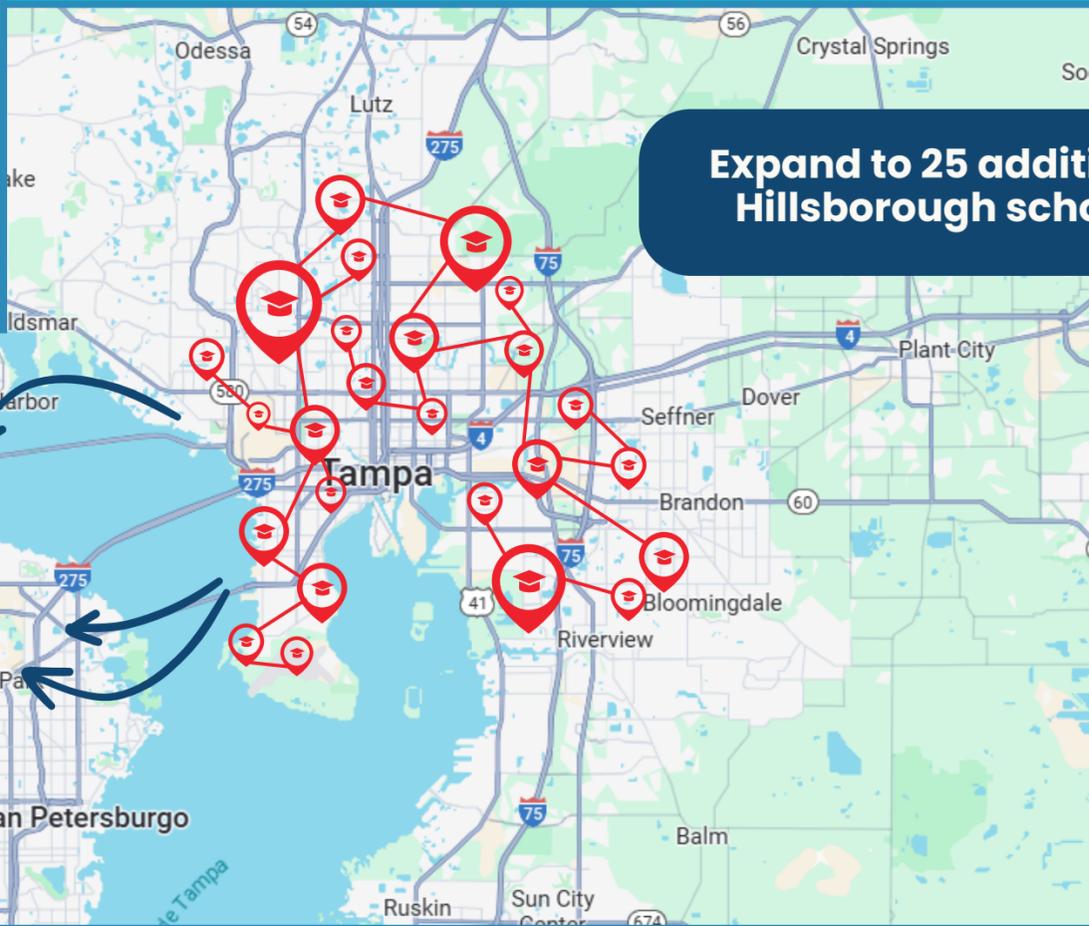
**Teacher
onboarding +
classroom
implementation**

**Challenges
go live with
student
engagement
metrics**

**Feedback loop
and feature
improvements**

Q3–Q4 2025 → Data-driven refinement and prep for scale

2026 VISION – PHASE 2 GROWTH



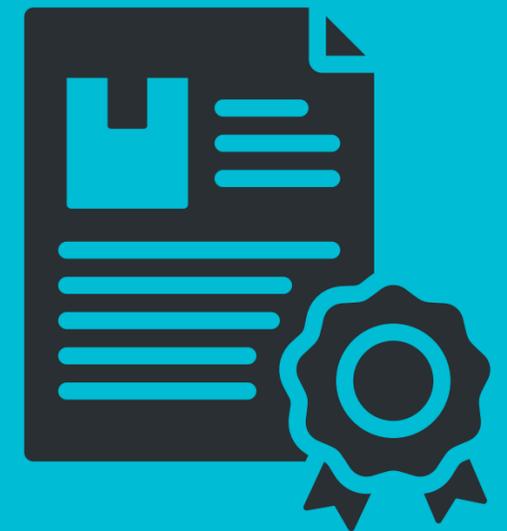
Expand to 25 additional Hillsborough schools

Launch pilot in Pinellas County



Implement improved class-room level tracking with QR technology

Launch sponsored curriculum libraries and content licenses



IMPACT AND ROI FOR STAKEHOLDERS



Opportunities to partner:

Custom-branded
dashboards,
challenges, or
rewards

Sustainability and
Impact Data for
banks & corporate
partners

Employee
engagement via
school updates and
events

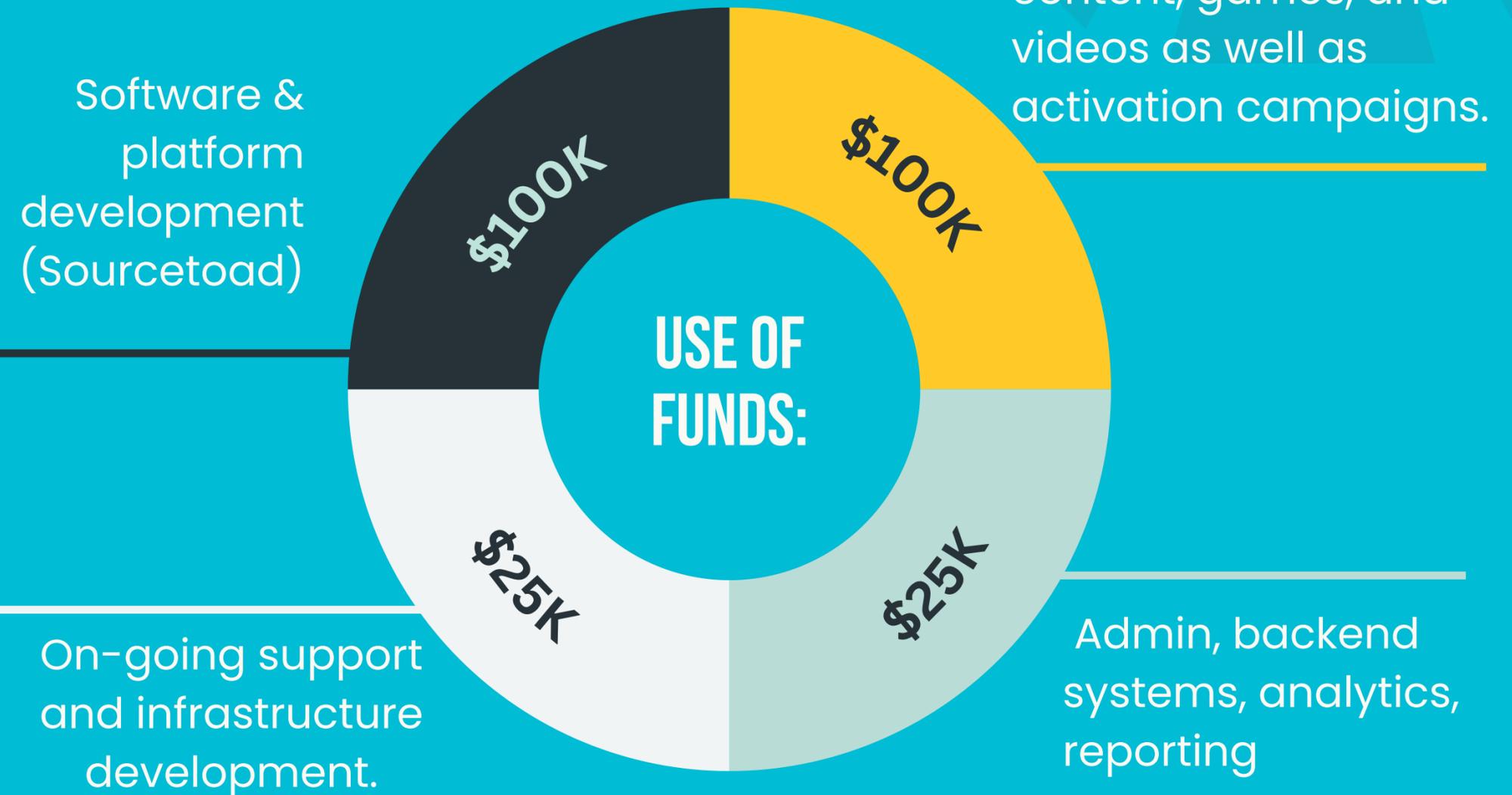
Story-driven impact
reports (photos,
testimonials,
metrics)

Local community
visibility and PR
opportunities

INVESTMENT MODEL

Fundraising

Goal: \$250,000
(by end of 2025)



We are looking for 5 pillar funders/donors to help us launch this Pilot Program.



Contact us for a live demo, partner tour, or strategy session.

WHY JOIN THE FIRST GENERATION OF E-WASTE CHALLENGE SPONSORS?

1 *Brand Visibility in Every Challenge*

2 *Your logo featured throughout the gamified experience, embedded directly into student interactions across schools.*

3 *Executive Involvement in Video Lessons*

4 *Feature a leader from your company in our educational content—positioning your brand as a champion of digital equity and innovation.*

5 *Access to Real-Time Engagement Reports*

6 *Receive custom data on student interactions with your brand, perfect for ESG and CSR reporting.*

7 *Exclusive School Engagement Opportunities*

8 *Create real-world connections with students and teachers through branded experiences, awards, and mentorship.*

MEASURABLE SUCCESS: MEASURABLE IMPACT + MEASURABLE ENGAGEMENT

MEASURABLE SUCCESS



Position your brand at the heart of educational transformation.

=

MEASURABLE ENGAGEMENT



Drive corporate purpose through measurable student engagement.

+

MEASURABLE IMPACT



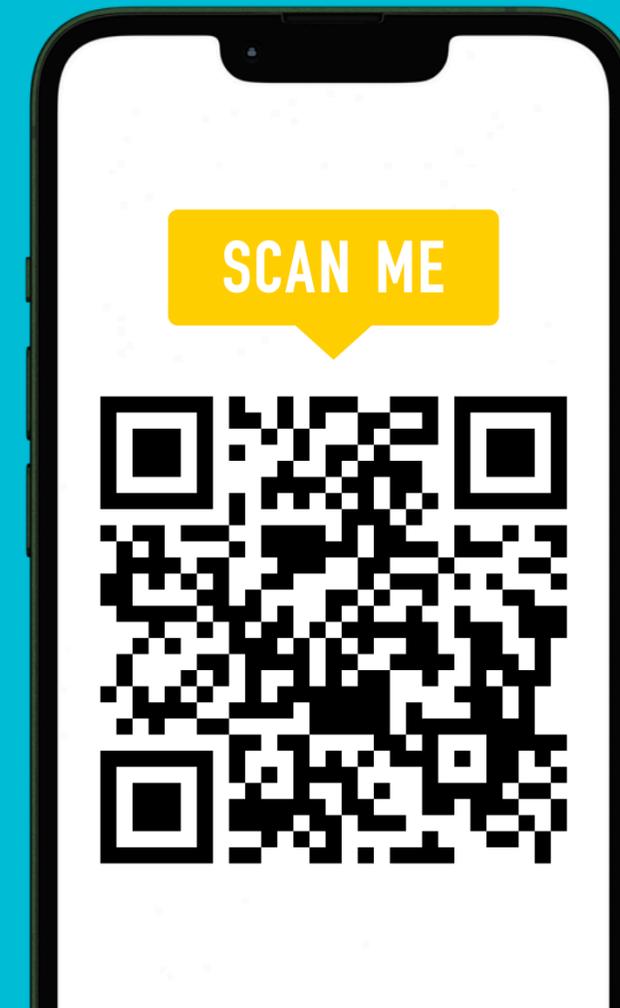
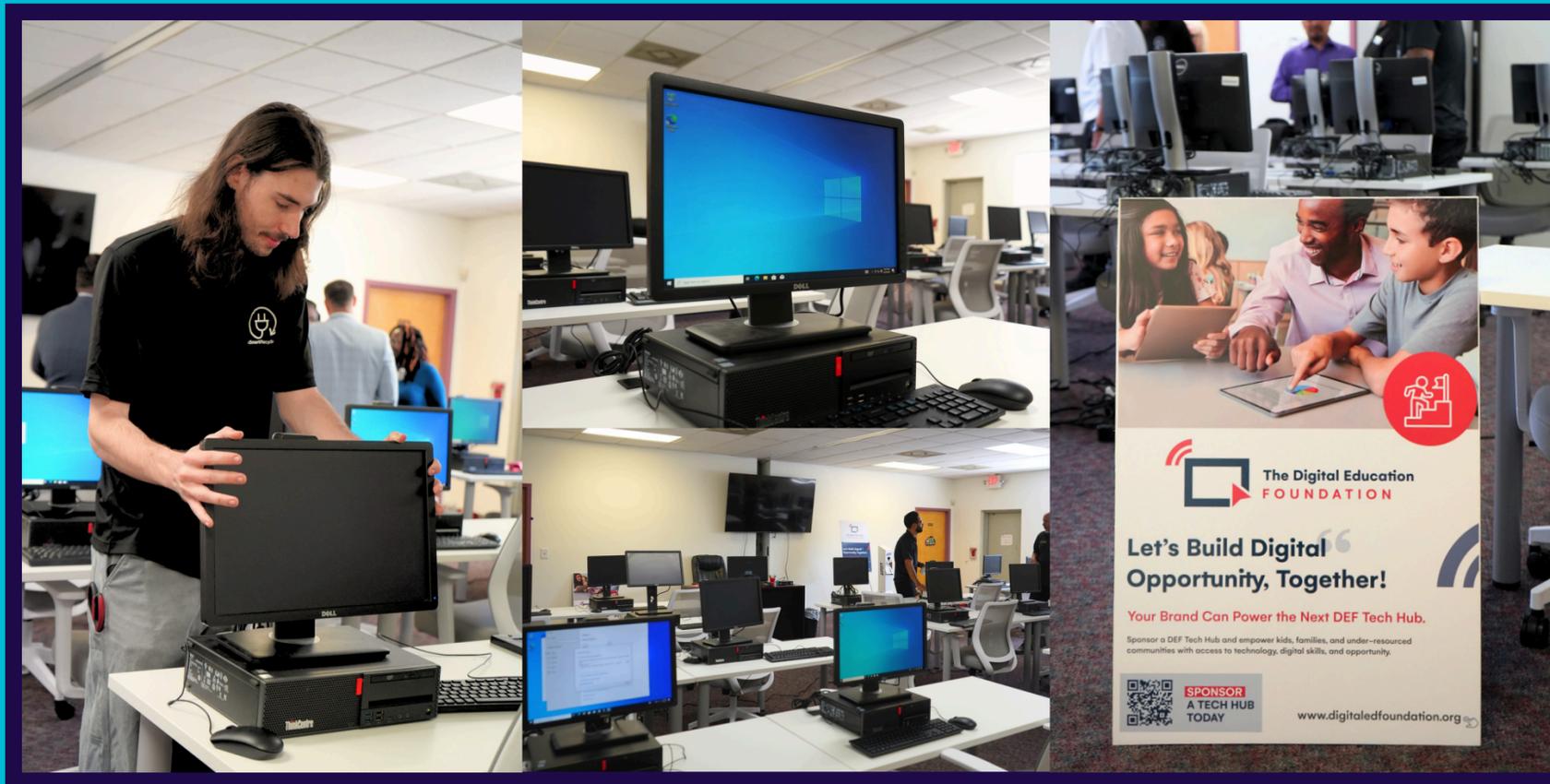
Join a growing network of companies empowering the next generation through tech access and digital literacy.

MORE WAYS TO PARTNER:

With a \$5,000 investment, your organization can fund a fully equipped Tech Hub—providing computers, digital skills training, and lasting educational access for an underserved school or nonprofit.

Your brand. Their opportunity. A shared story of impact.

Sponsor a Tech Hub. Empower a Community.



CLOSING: JOIN THE EDUCATION REVOLUTION

“We gamify learning. We recycle with purpose. We connect students to the future they deserve.”

Your investment changes lives, schools, and communities.

Contact: tony@digitaledfoundation.org