



*Welcome to the
Biogen-MIT
Biotech in Action
Speaker Series*

Changemakers: Women in STEM



57k+

**STUDENTS VISITED OUR
COMMUNITY LABS IN THE
U.S. SINCE OPENING***

Programs

SCHOOL VISITS

SEMINAR SERIES

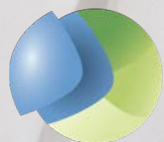
SUMMER PROGRAMS

TEACHER PROFESSIONAL DEVELOPMENT

COMMUNITY EVENTS

**FOCUSED ON EQUITY AND SERVING
STUDENTS FROM
UNDERREPRESENTED POPULATIONS**

Established in 2002,
with the mission of igniting
and fostering student
interest in science and
inspiring the next generation
of STEM leaders.



Biogen

Community Lab™

* Biogen data on file as of December 31, 2020.



LEMELSON-MIT



LEMELSON-MIT

- Founded in 1994
- Supported by The Lemelson Foundation
- Administered by MIT's School of Engineering

Inspire young people to pursue creative and inventive lives through national Student Prize program

Help K12 students develop STEM knowledge by inventing solutions to problems that matter

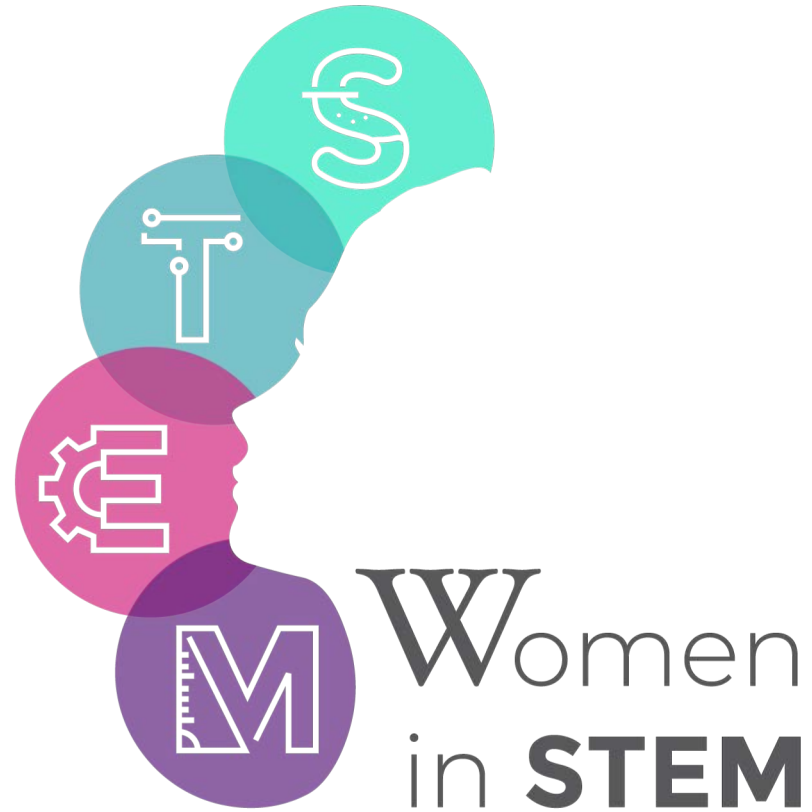
An estimated 3,200 students and almost 500 educators reached annually

Wanda Castro-Borrero

Global Head, Field Medical Excellence

Biogen



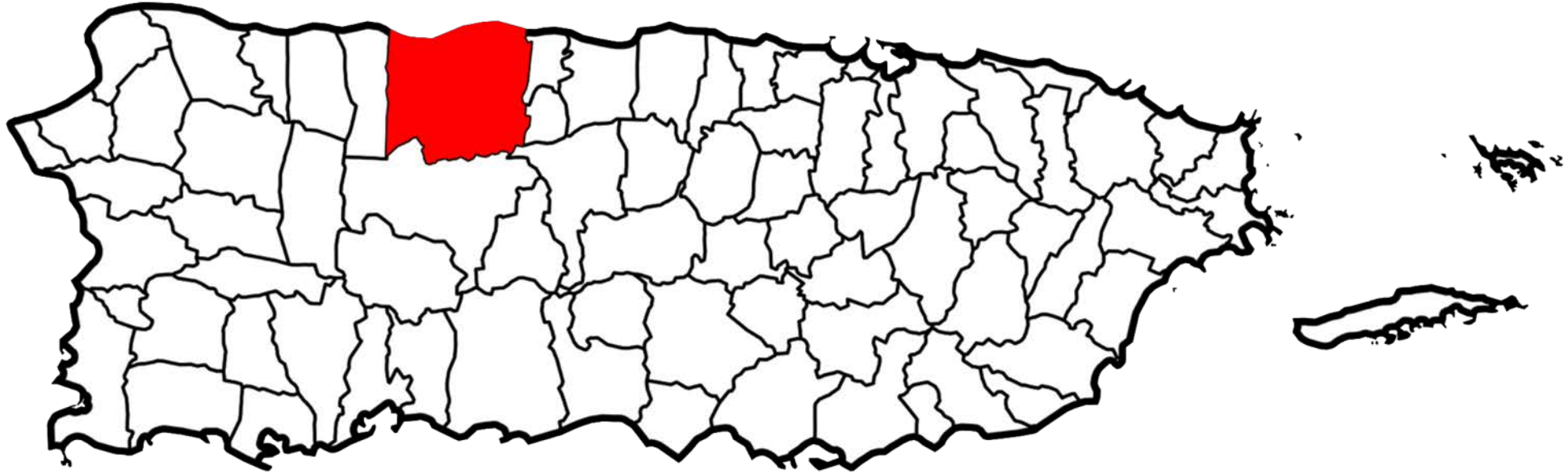


Wanda Castro-Borrero, MD RPh
Global Field Medical Excellence Head



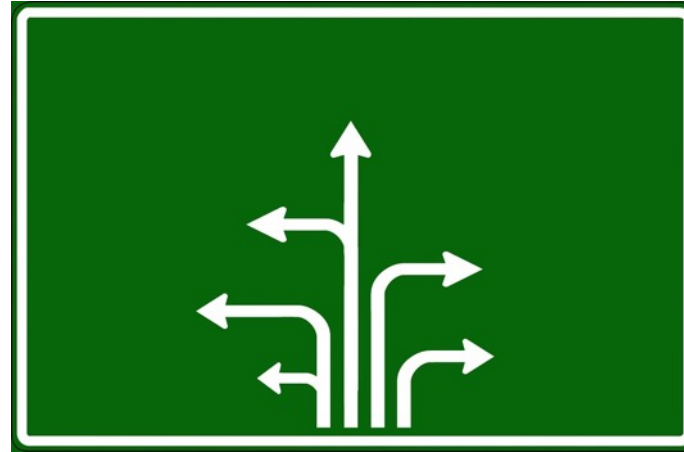








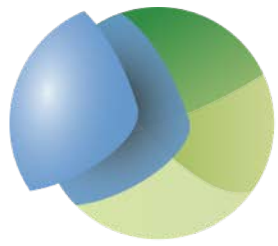






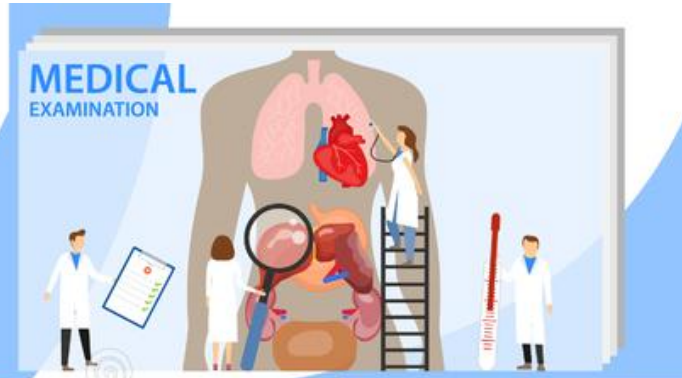
UConn HEALTH



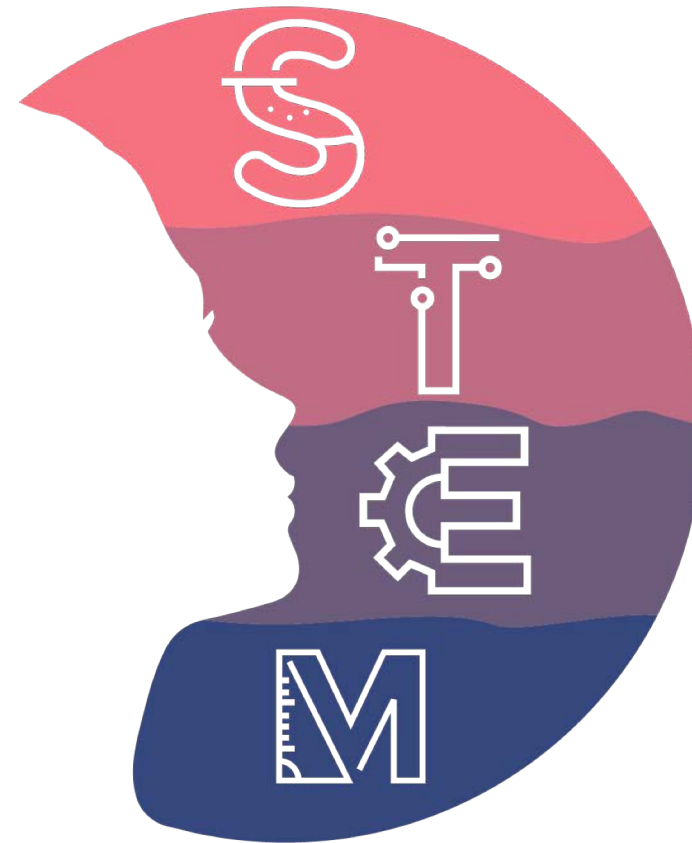
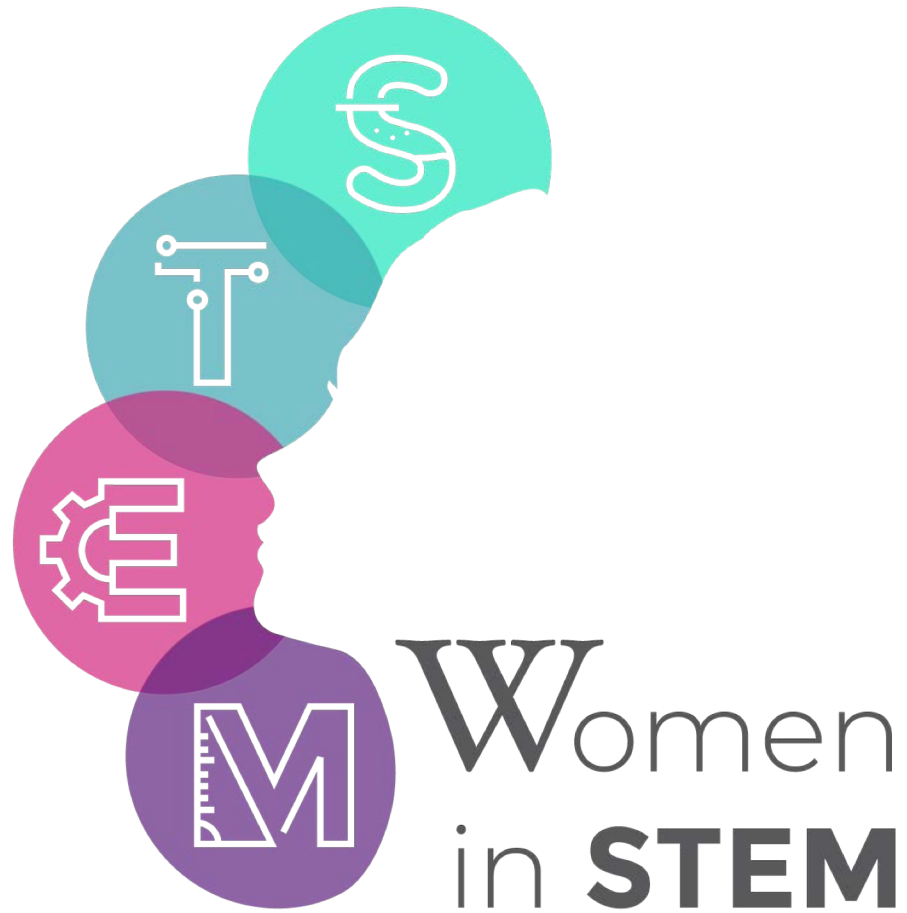


Biogen





Searching for the future in science, technology, engineering, and mathematics...



**Searching for Smart, Strong, Talented, Trailblazer,
Enthusiastic, Empowered, Masterful and Mighty Women**



Puerto Rico is an Ecotourist dream, from El Yunque to Vieques, Island



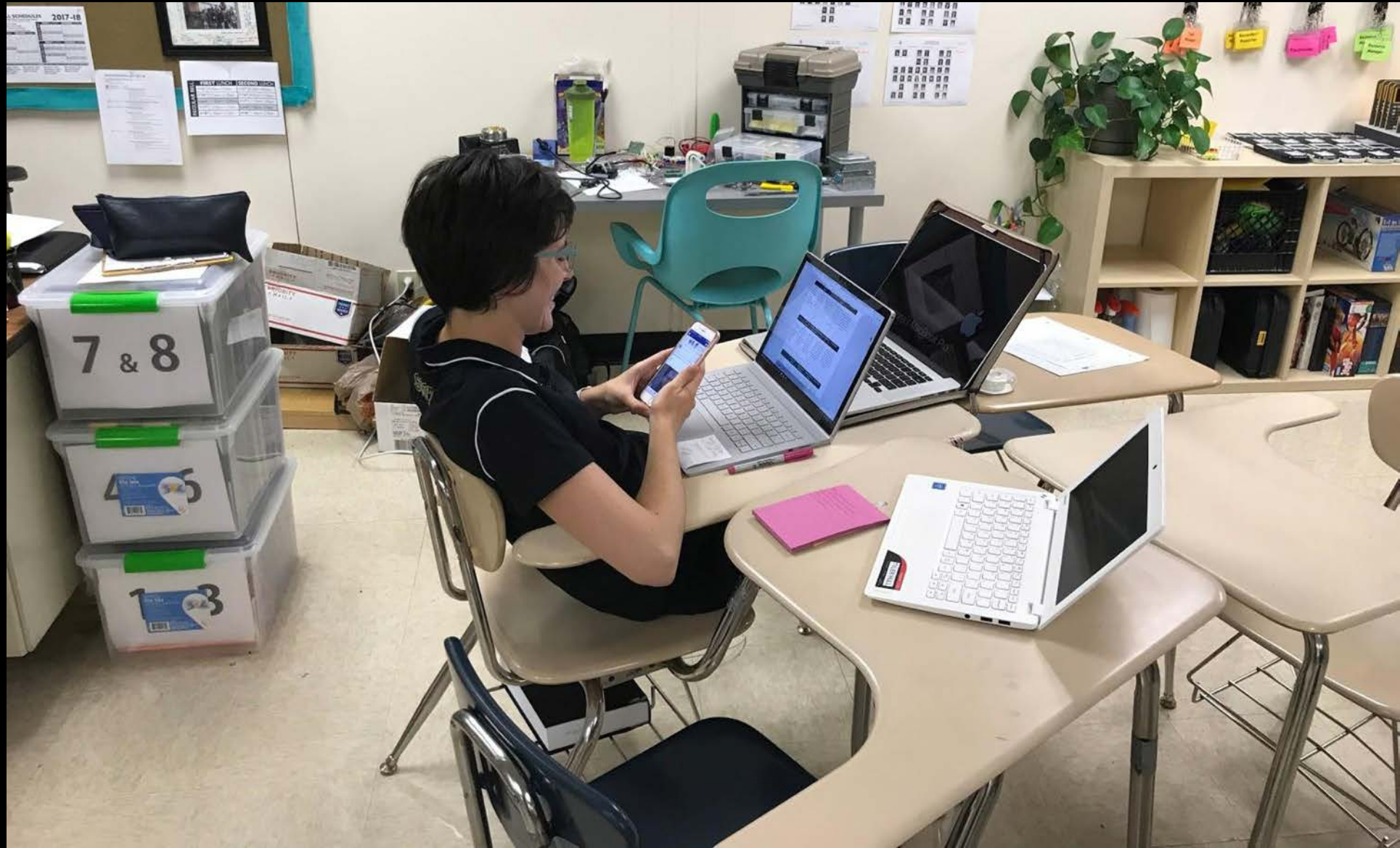
Katrina Hull

Engineering Teacher

Lemelson-MIT InvenTeam Advisor



Do I have time to say yes?



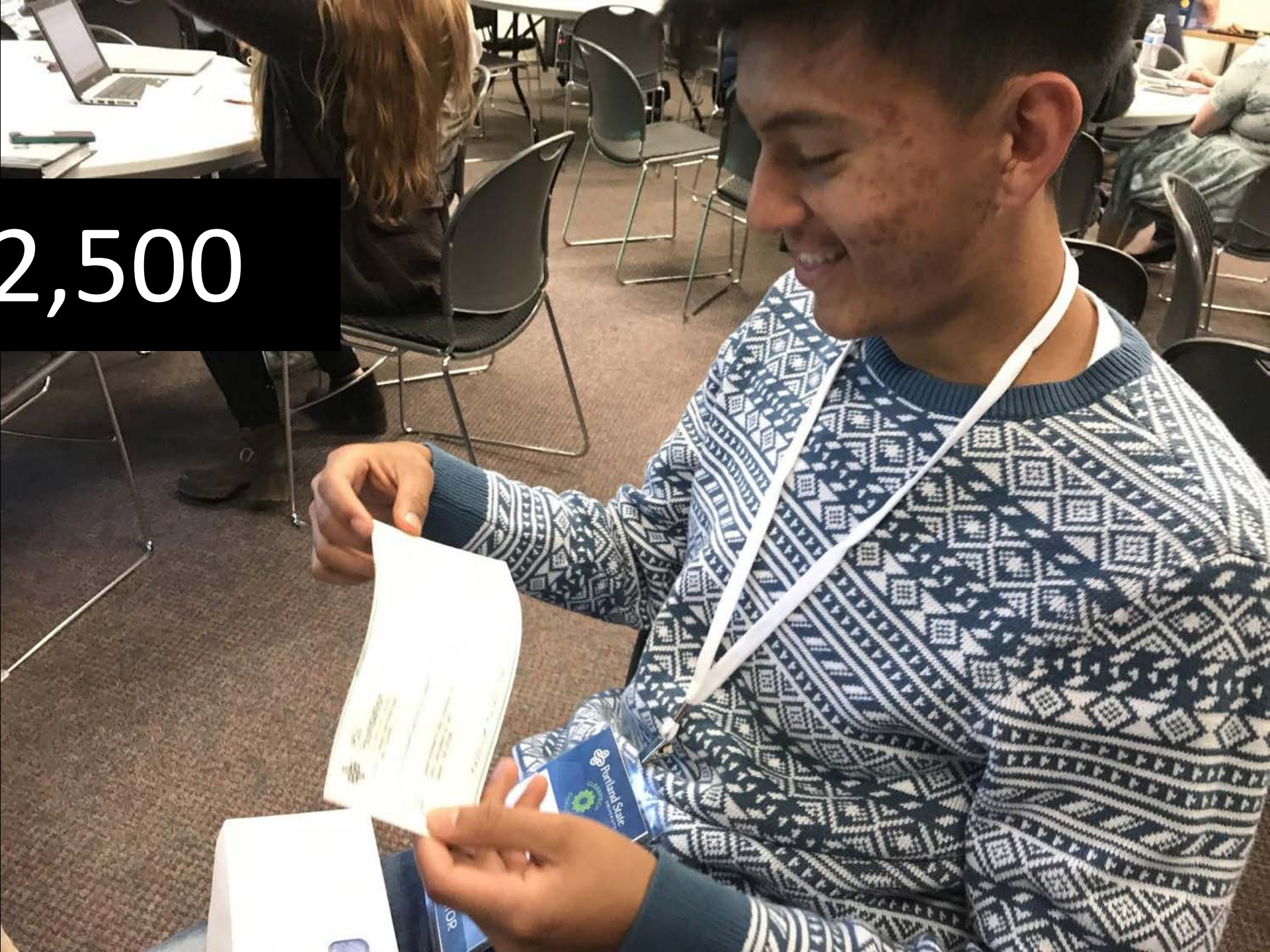


Jump for the sky

Celebrate!

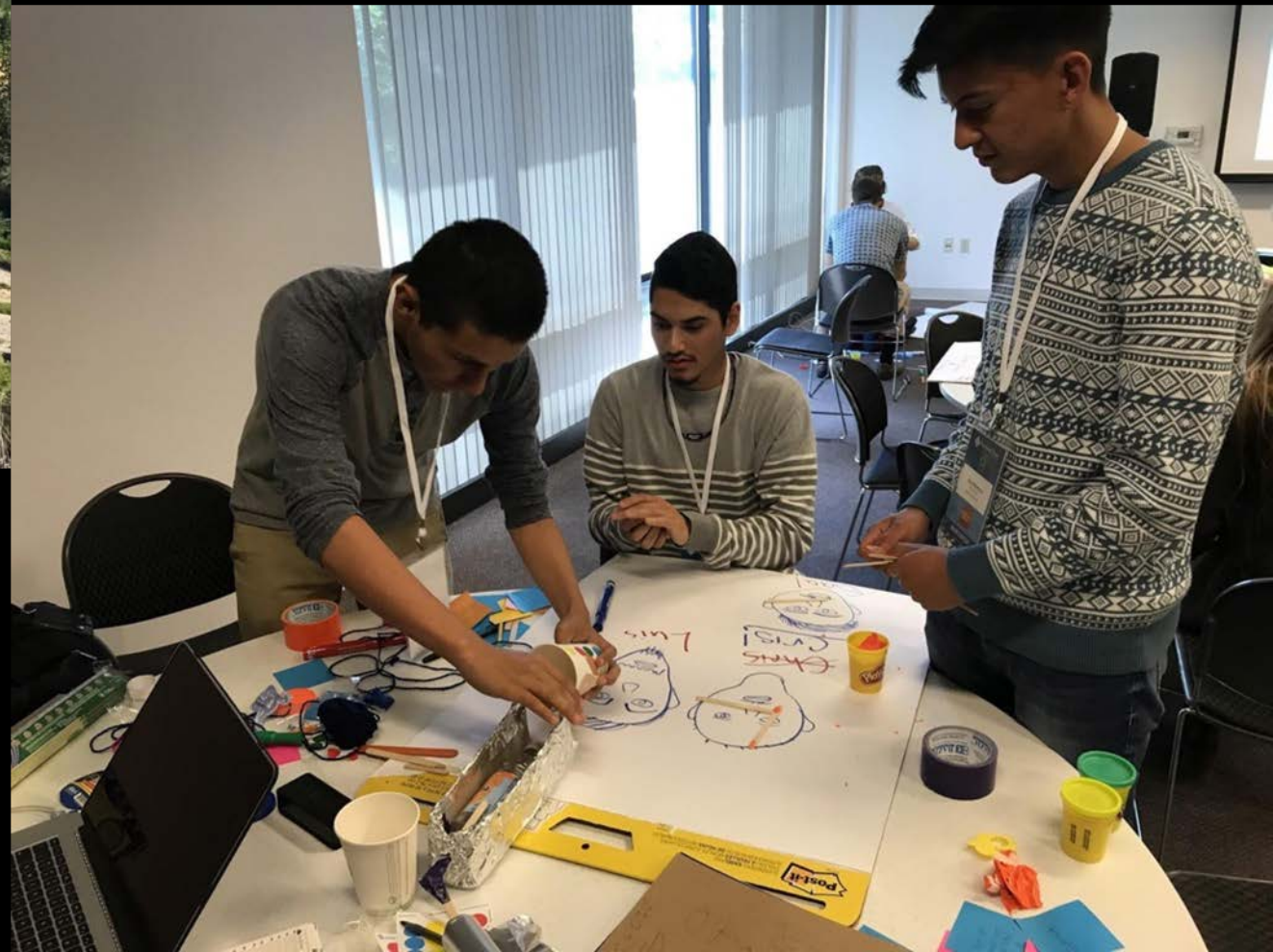


\$2,500



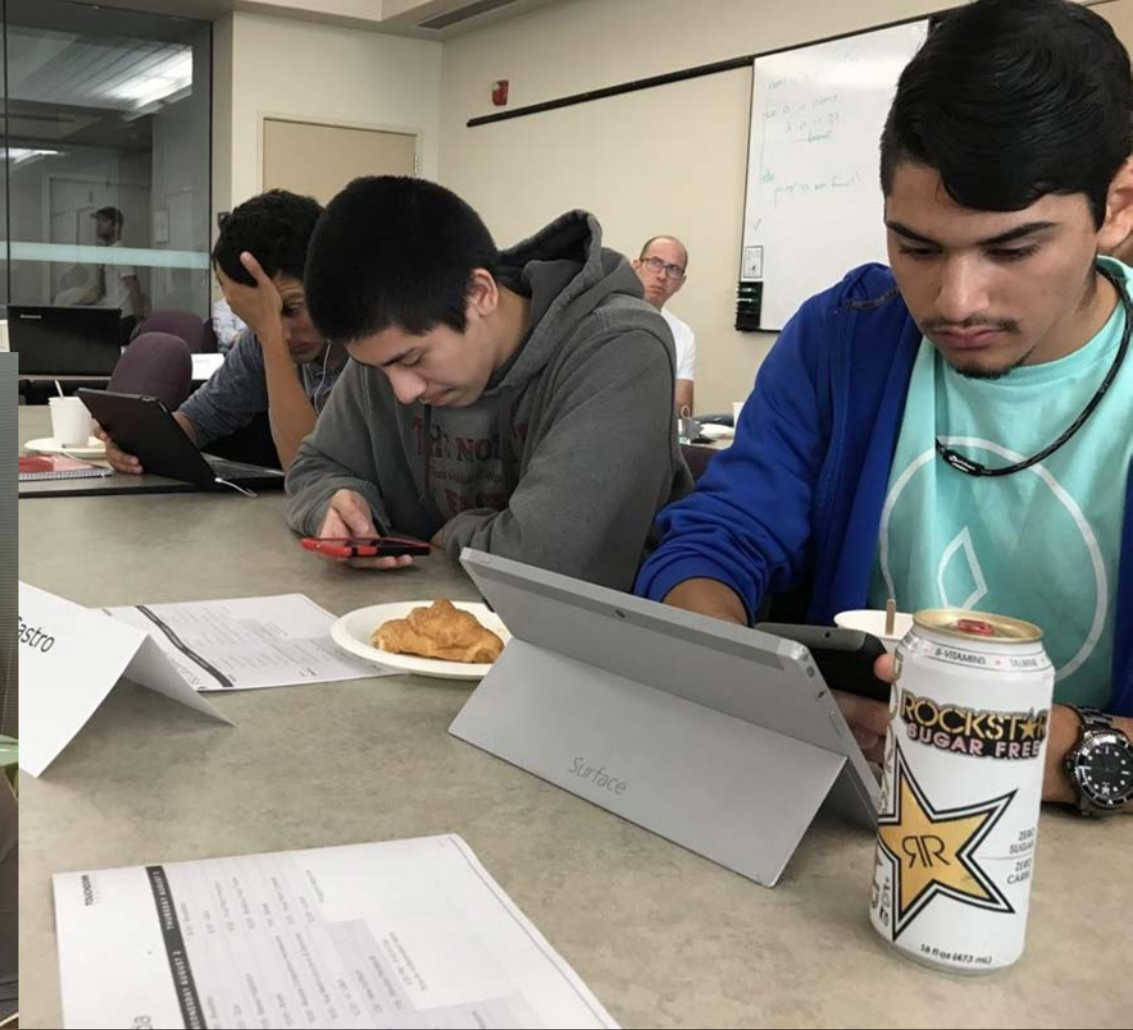


My vision





Reality





Be Prepared





Drumroll please



Portland State UNIVERSITY



Presented by



September 14, 2017

Pay To
The Order Of

RECYCL3D

\$10,000

The Sum of: Ten Thousand Dollars

For Portland State University Cleantech Challenge Presented by Wells Fargo

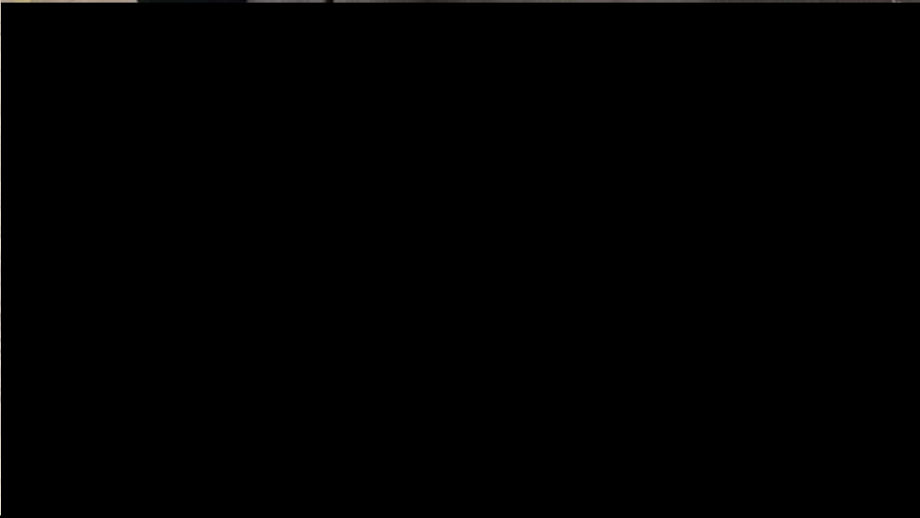
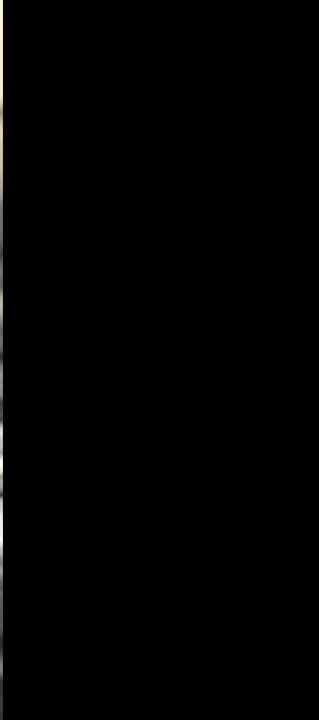
Celebrate!





30 days

14 days



Portland State



inventOR People's Choice
October 10, 2017
Pay To The Order Of **RECYCL3D** \$5,000
The Sum of: Five Thousand Dollars
The Lemelson Foundation businessoregon Portland State UNIVERSITY

inventOR 2nd Place
October 10, 2017
Pay To The Order Of **RECYCL3D** \$5,000
The Sum of: Five Thousand Dollars
The Lemelson Foundation businessoregon Portland State UNIVERSITY



inventOR
Play To The Order Of **RECYCL3D** **\$10,000**
The Sum of Five Thousand Dollars
business oregon Portland State

Portland State
Play To The Order Of **RECYCL3D** **\$10,000**
The Sum of Five Thousand Dollars
business oregon Portland State

People's Choice
RECYCL3D **\$5,000**

inventOR
Play To The Order Of **RECYCL3D** **\$5,000**
The Sum of Five Thousand Dollars
October 18, 2017
People's Choice
business oregon Portland State

RECYCL3D

TRUE GAME



Portland State
UNIVERSITY

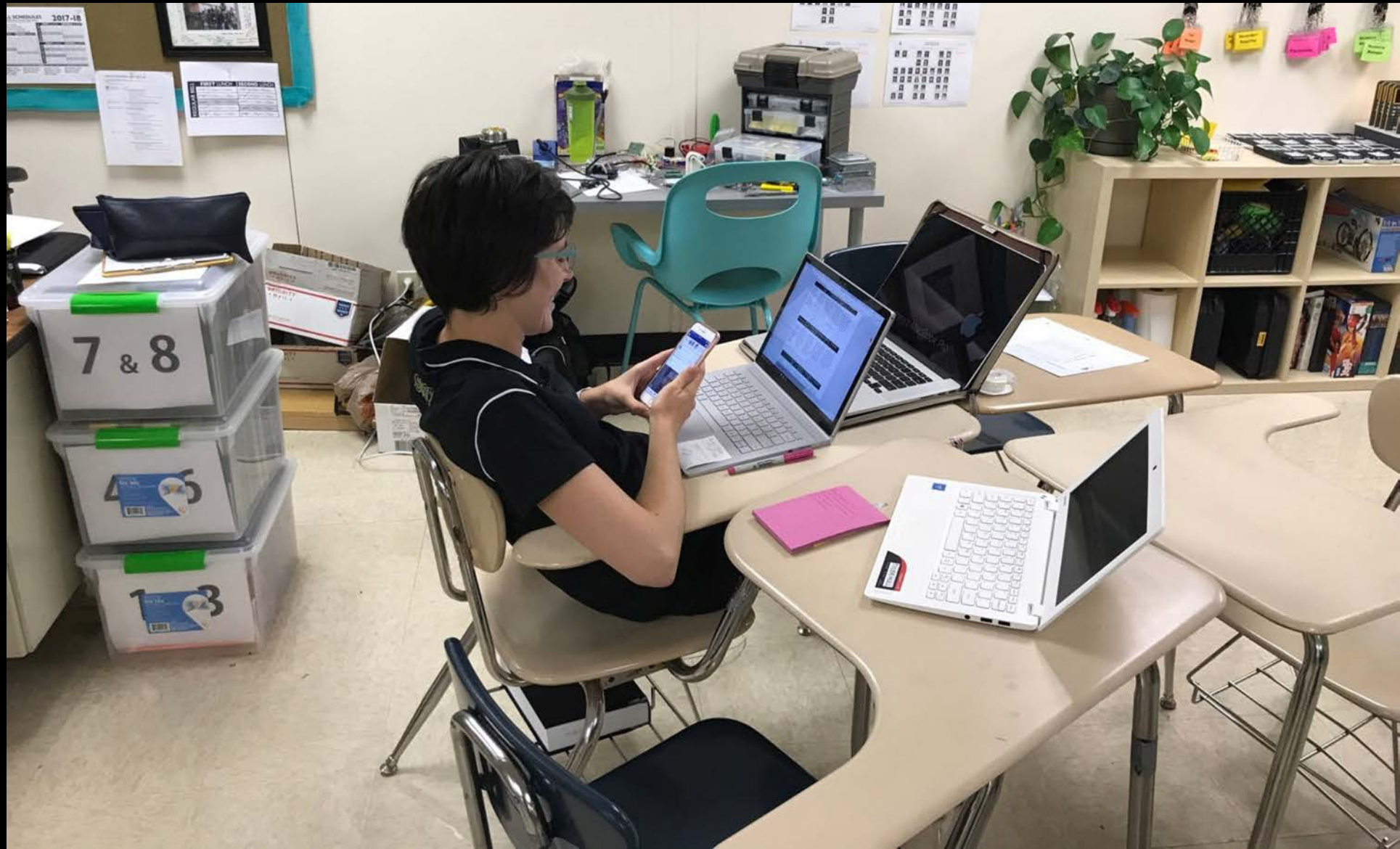
PS
PORTLAND
STATE

PS
PORTLAND
STATE

PS
PORTLAND
STATE

PS
PORTLAND
STATE

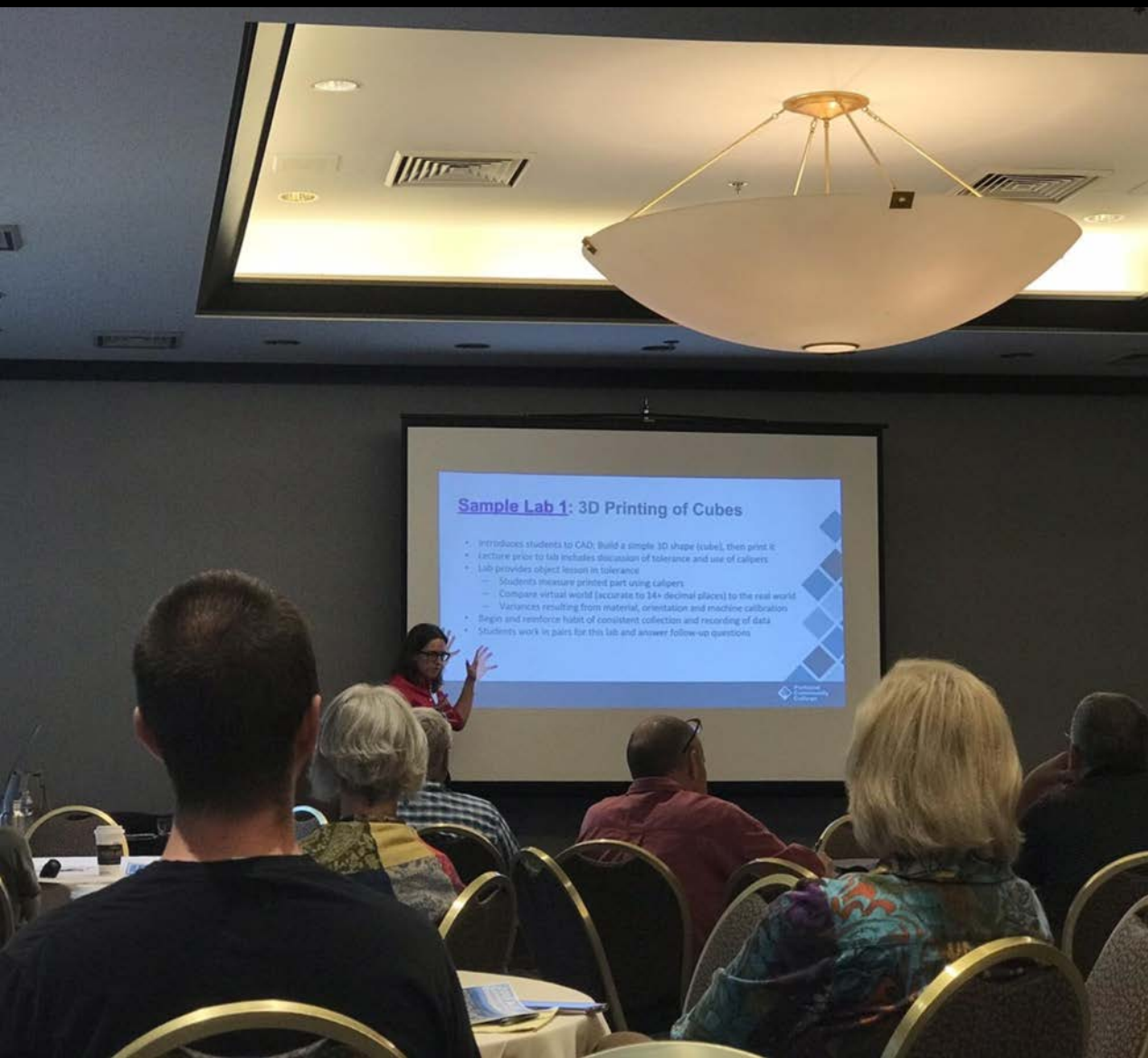
I said yes, now what?





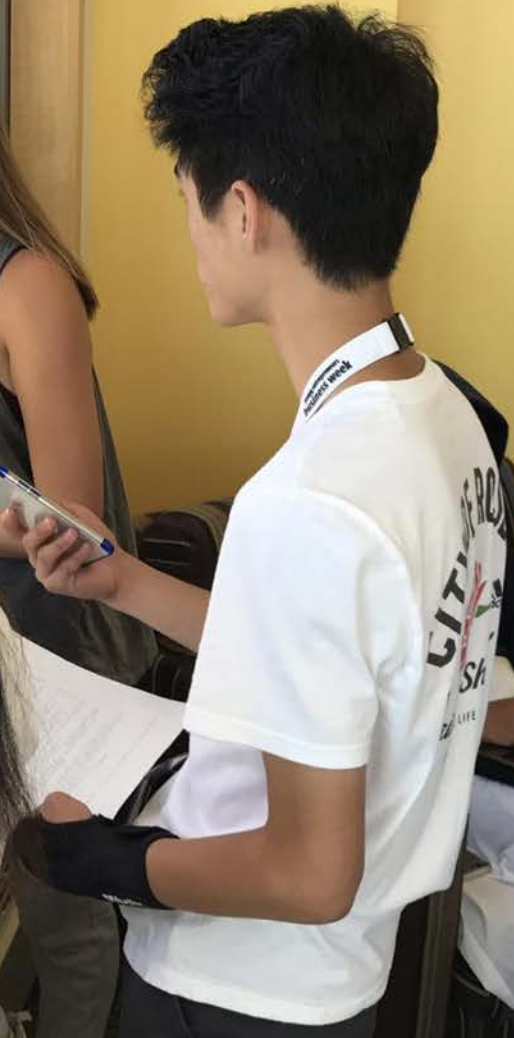






Production (000's of units 0-99)	46	100
Production to Size of Production Plant (0-10)	0	100
Total Quality Management (0-200)	200	100
Marketing Decisions		
Price (\$27-29) (\$33-35) (\$39-41)	41	100
Advertising and Sales promotion (0-200)	75	100
# of sales people added this quarter (-4 to 4) <i>(Remember, you started with two)</i>	0	100
Product Devel. / Enhancement Budget (0-200)	200	100
3. Market Research Studies (0-15)	15	100
Financial Decisions		
9. Dividends		100
STOP HERE AND DO THE CASH ANALYSIS		
10. Loan Addition or Payment (-600 to 600)		100
11. Mini-Case (use only 10)		100
12. ...		100

Financial Review	4000	100
Estimate of interest income	1800	100
Cash Office		
Production (000's of units)	46	100
Advertising and Sales Promotion	75	100
Action Information point	0	100
Total Quality Management (TQM)	200	100
Estimate of working capital	1000	100
Advertising and Sales Promotion	75	100
Product Development (0-200)	200	100
Market Research Studies (0-15)	15	100
Dividends		100
Loan Addition or Payment (-600 to 600)		100





Exactly!



#MATH

Hall Area - InventTeam TO DO

- Create Picture
- Traveler
- Individual Interviews
- Find date for Fish (March)
- Complete by the Sunday
- Pick date for presentation
- Headlines

Customer concepts

- Custom design
- Multiple color options
- Build Test Stand
- Build Prototype
- Work Code for Test Stand
- Work Code for version on Prototype
- Charging Case

Marketing

- Social media
- Research "Product" vs. "Prototype"
- Create Presentation

Logistics

- Find an online person to sell with

LEARN WITH **invenTeam**
Willy High School
Salem, Oregon

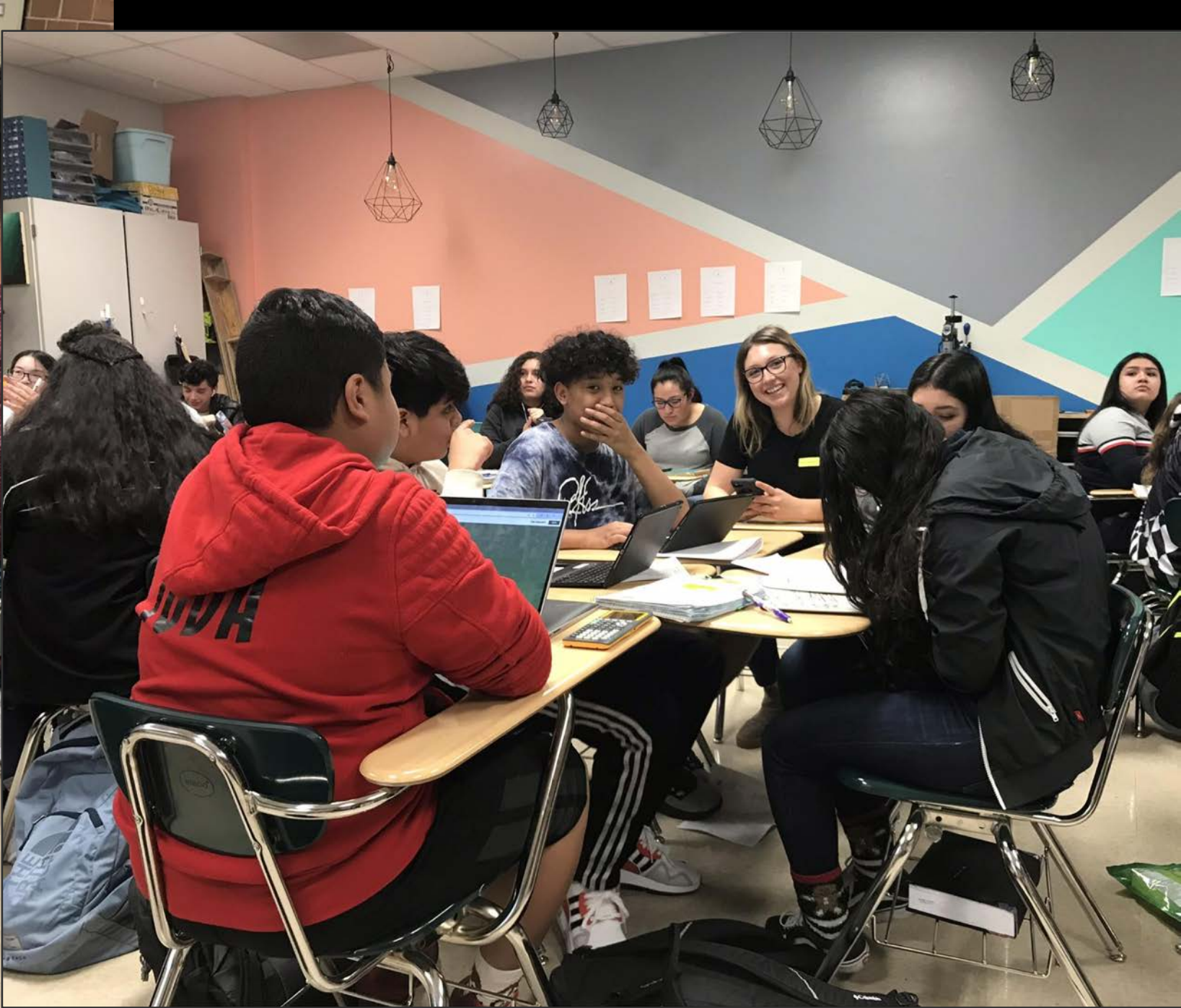
Portland State UNIVERSITY
CLEANTECH CHALLENGE
Presented by Wells Fargo
RECYCL3D
For To The Order Of
The Sum of Ten Thousand Dollars
\$10,000
Portland State University Cleantech Challenge Presented by Wells Fargo

Workbench area with various tools and equipment:

- Utility Knives
- Dremel Cases
- Screw Drivers
- Wells Fargo logo
- Various hand tools and components on a pegboard

Workbench area with various tools and equipment:

- Workbenches with various electronic equipment and tools
- Storage bins and boxes
- Recycling bins and bags
- Wells Fargo logo









LEMELSON-MIT
InventTeams

McKay High School
Salem, Oregon

The
Lemelson Foundation
improving lives through invention

MIT School of Engineering

Say Yes and embrace the mess



Q & A

Be sure to register for next month's event!

April 21st 4-5 PM ET

EARTH MONTH:

Connecting on Climate Change



William Atkinson

Biogen Graduate Fellow

MIT Research to Policy Engagement Initiative

Link: https://mit.zoom.us/webinar/register/WN_2bzEYnOPRi-mi8HHqiBI-w