



National Inventors
Hall of Fame®
EDUCATION PROGRAMS

HONORING INNOVATORS, EMPOWERING TOMORROW'S WORKFORCE



NIHF Inductee Frances Ligler visits Camp Invention.

The National Inventors Hall of Fame® partners with educators, school districts, businesses and communities to deliver flexible, turnkey STEM programs that address today's most pressing education challenges and future workforce needs. Designed to align with key education priorities, these programs increase student engagement, strengthen applied STEM learning and build in-demand, real-world skills that prepare students to thrive in school, careers and life.

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The result is stronger student outcomes, supported educators and communities better equipped to meet the evolving needs of a globally competitive workforce.

MEET INSPIRING INDUCTEES WITH **APPALACHIA** CONNECTIONS



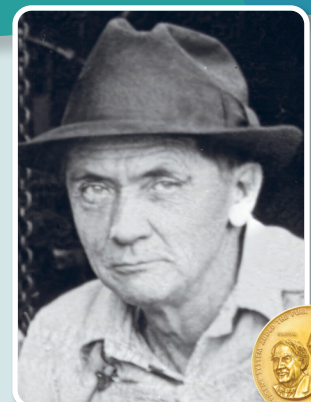
Mark Dean
Peripherals

Inducted in 1997
Born in Jefferson City, TN
Jefferson City High School graduate
Knoxville, TN resident



Frances Ligler
Portable Optical Biosensors

Inducted in 2017
Born and raised in Louisville, KY



Harry Cameron
Blowout Preventer (BOP)

Inducted in 2022
Christian Brothers University student

- Kentucky
- Tennessee
- West Virginia



BRINGING INVENTION EDUCATION TO APPALACHIA

“The most meaningful thing is for the students to experience struggle and pride in themselves. So many students start off with ‘I can’t,’ and it is so important for them to discover for themselves that they can.”

– Nicole C., Teacher, Mt. Juliet, TN

IMPACT ACROSS THE STATE



Over
5,180
students and
315
educators impacted by
NIHF education programs



2,380+
students whose participation
was supported by national,
local or district-level
scholarships



46%
of participants receive
financial assistance



Nearly
35
districts offered NIHF
education programs

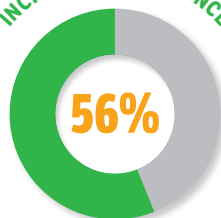
PROVEN BENEFITS



JUST ONE WEEK

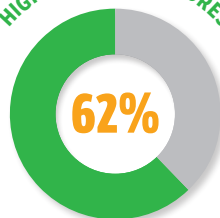
of Camp Invention results in
significant short- and long-term
improvements in creativity, STEM
interest and problem solving.¹
Students with multiple experiences
show even higher gains.²

INCREASED ATTENDANCE



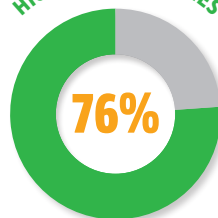
of students with
high-risk absence
rates demonstrated
excellent attendance.³

HIGHER READING SCORES



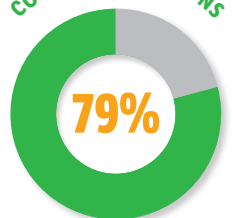
of participants have
reading scores
significantly above
the district average.⁴

HIGHER MATH SCORES



of participants
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the district average.⁴

COLLEGE ASPIRATIONS



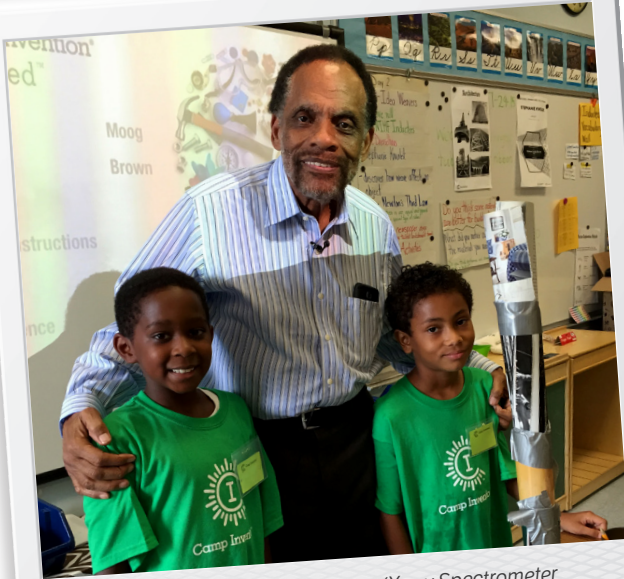
of participants
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NIHF Inductee George Alcorn (X-ray Spectrometer, Inducted in 2015; graduate of Los Angeles Unified School District) visits Camp Invention.

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MEET INSPIRING INDUCTEES WITH **CALIFORNIA** CONNECTIONS



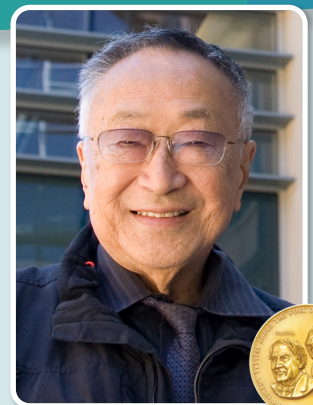
Teresa Meng
CMOS Wi-Fi

Inducted in 2026
UC Berkeley graduate
Stanford professor



Ted Hoff
Microprocessor

Inducted in 1996
Stanford graduate
First Intel Fellow



Paul Terasaki
Tissue Typing for Organ Transplants

Inducted in 2018
Born in California
UCLA graduate and professor
Terasaki Institute founder

BRINGING INVENTION EDUCATION TO CALIFORNIA

**The hands-on opportunities for the students are priceless.
The open-ended choices in the activities are great for the creative mind.**
– Heather S., Teacher, San Jose, CA

IMPACT ACROSS THE STATE



Over
38,925
students and
1,550
educators impacted by
NIHF education programs



36,965 +
students whose participation
was supported by national,
local or district-level
scholarships



95%
of participants receive
financial assistance



Nearly
50
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education programs

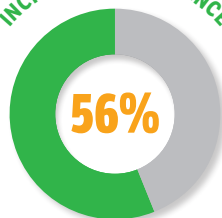
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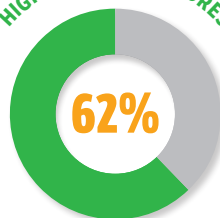
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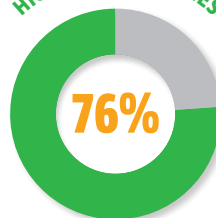
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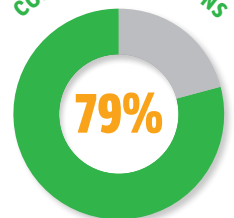
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NIHF Inductee Sylvia Blankenship
visits Camp Invention.

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MEET INSPIRING INDUCTEES WITH **REGIONAL** CONNECTIONS



Bantval Jayant Baliga
Insulated Gate Bipolar Transistor

Inducted in 2016

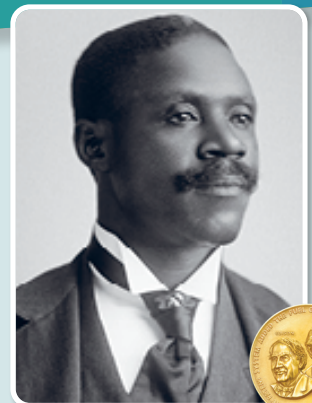
*Distinguished University Professor of Electrical
Engineering at North Carolina State University*



Sylvia Blankenship
1-MCP for Fruit, Vegetable
and Flower Freshness

Inducted in 2022

*Professor Emerita at
North Carolina State University*



George Washington Murray
Agricultural Machinery

Inducted in 2024

Born in Sumter County, SC



- North Carolina
- South Carolina

BRINGING INVENTION EDUCATION TO THE CAROLINAS



The kids are excited to learn, and they come up with the most creative ideas. This program helps me to think about new things to implement in my classroom during the year. – Cierra P., Teacher, Columbia, SC



IMPACT ACROSS THE STATE



Over
12,665
students and
750

educators impacted by
NIHF education programs



3,480+

students whose participation
was supported by national,
local or district-level
scholarships



27%

of participants receive
financial assistance



Nearly
55

districts offered NIHF
education programs

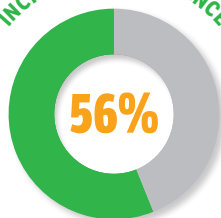
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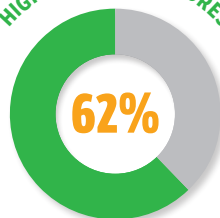
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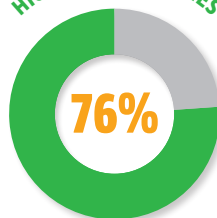
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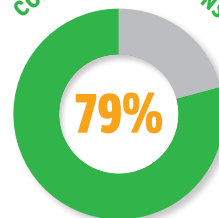
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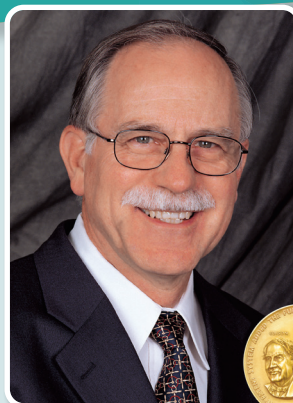
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MEET INSPIRING INDUCTEES WITH **COLORADO** CONNECTIONS



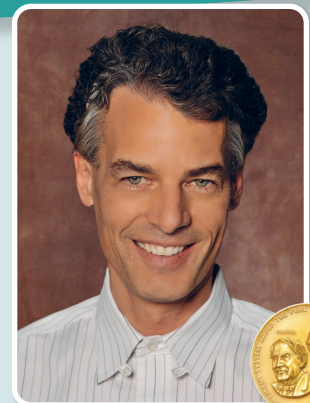
Marvin Caruthers
Chemical Synthesis of DNA

Inducted in 2018
University of Colorado Boulder faculty



Charles Hull
Stereolithography (3D Printing)

Inducted in 2014
University of Colorado graduate



Gary Sharp
3D Digital Cinema

Inducted in 2015
Ph.D. student at University
of Colorado Boulder
Founder of Boulder Nonlinear Systems

BRINGING INVENTION EDUCATION TO COLORADO

“

This program gives students the opportunity to think creatively, solve real-world problems, collaborate and develop confidence.

”

- Kasandra F., Teacher, Commerce City, CO

IMPACT ACROSS THE STATE



Over
7,200
students and
415

educators impacted by
NIHF education programs



3,435

students whose participation
was supported by national,
local or district-level
scholarships



48%

of participants receive
financial assistance



Nearly
40

partners offered NIHF
education programs

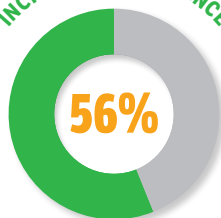
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JUST ONE WEEK

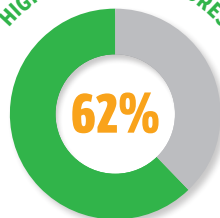
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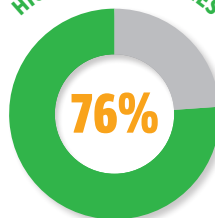
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HIGHER READING SCORES



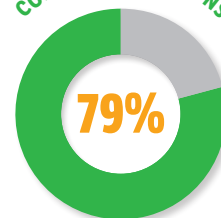
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HIGHER MATH SCORES



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COLLEGE ASPIRATIONS



of participants
plan to enroll
in college.⁵

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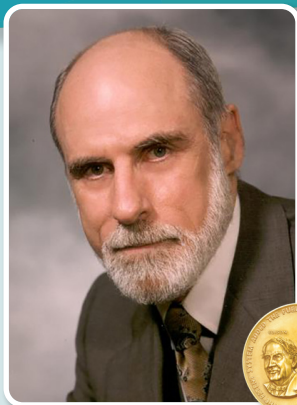
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MEET INSPIRING INDUCTEES WITH **CONNECTICUT** CONNECTIONS



Vinton Cerf

Transmission Control Protocol/
Internet Protocol

Inducted in 2006
Born in New Haven



Pamela Marrone

Biological Pest Control

Inducted in 2025
Born in Middletown



Eric R. Fossum

CMOS Active Pixel Image Sensor
Camera-on-a-Chip

Inducted in 2011
Born in Simsbury
Yale University
and Trinity College graduate



BRINGING INVENTION EDUCATION TO CONNECTICUT

“

I love seeing the campers' sense of accomplishment when they created something new or solved a problem.

”

– Bryan F., Teacher, Norwalk, CT

IMPACT ACROSS THE STATE



Over
1,990
students and
120

educators impacted by
NIHF education programs



525

students whose participation
was supported by national,
local or district-level
scholarships



26%

of participants receive
financial assistance



Nearly
20

partners offered NIHF
education programs

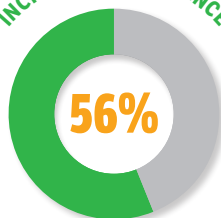
PROVEN BENEFITS



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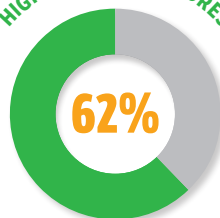
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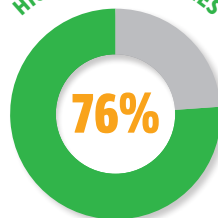
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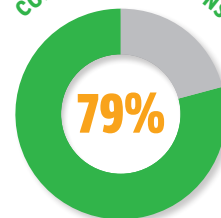
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MEET INSPIRING INDUCTEES WITH **DELTA REGION** CONNECTIONS



Ruth Benerito
Wrinkle-Free Cotton

Inducted in 2008

Born in New Orleans; New Orleans Public
Schools and Sophie Newcomb College graduate;
University of New Orleans professor



Wallace Coulter
Coulter Principle

Inducted in 2004
Born in Little Rock, AR



Percy Lavon Julian
Preparation of Cortisone

Inducted in 1990
Born in Montgomery, AL

- Alabama
- Arkansas
- Louisiana
- Mississippi



BRINGING INVENTION EDUCATION TO THE DELTA REGION



Allowing students to explore possibilities is so important. The idea that there are many ways to explore and create is so profound for students who don't experience that within the traditional classroom environment.



- Broderick H., Teacher, New Orleans, LA

IMPACT ACROSS THE STATE



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5,720
students and
365
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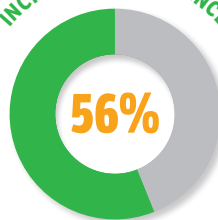
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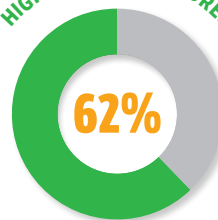
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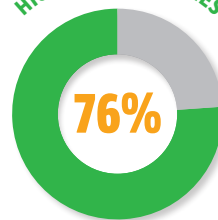
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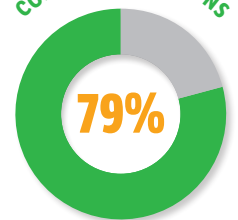
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NIHF Inductee Jacqueline Quinn
visits Camp Invention.

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Sara Blakely
SPANX® Shapewear

Inducted in 2026
Atlanta resident



Lonnie Johnson
Super Soaker®

Inducted in 2022
President and founder of
Atlanta-based Johnson Research
and Development Co. Inc.



Jacqueline Quinn
EZVI (Emulsified Zero-Valent Iron)

Inducted in 2018
Born in Athens
Georgia Institute of Technology graduate

BRINGING INVENTION EDUCATION TO GEORGIA



I love how the children were given many opportunities to collaborate and work together to overcome the challenges they encountered.



– Cheryl W., Lawrenceville, GA

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455

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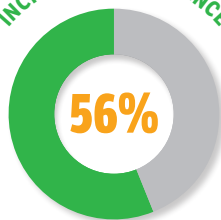
PROVEN BENEFITS



JUST ONE WEEK

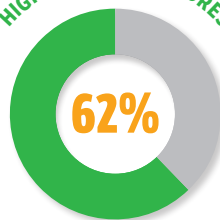
of Camp Invention results in
significant short- and long-term
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Students with multiple experiences
show even higher gains.²

INCREASED ATTENDANCE



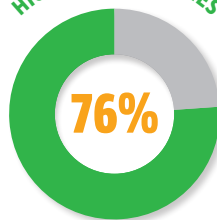
of students with
high-risk absence
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HIGHER READING SCORES



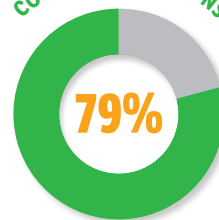
of participants have
reading scores
significantly above
the district average.⁴

HIGHER MATH SCORES



of participants
have math scores
significantly above
the district average.⁴

COLLEGE ASPIRATIONS



of participants
plan to enroll
in college.⁵

Engage students. Support educators. Deliver measurable results.

Learn more at invent.org/educators



National Inventors
Hall of Fame®

In partnership with



1. ChangeMaker Consulting LLC, Camp Invention Evaluation Executive Summary (2014).
2. R. Moore, The Impact of Invention Education Participation on Students' Confidence and Anxiety in STEM. The Center for Education Integrating Science, Mathematics and Computing, Georgia Institute of Technology (April 2024).
3. Summit Education Initiative, National Inventors Hall of Fame Camp Invention Summer 2018 (December 2018).
4. Summit Education Initiative, National Inventors Hall of Fame Camp Invention, a Program Component of Akron Public Schools Innovation 365 (I365): Wraparound Summer 2022 (January 2023).
5. Summit Education Initiative, National Inventors Hall of Fame Club Invention Youth View Survey Report Fall 2021 (February 2022).



National Inventors
Hall of Fame®
EDUCATION PROGRAMS

HONORING INNOVATORS, EMPOWERING TOMORROW'S WORKFORCE



NIHF Inductee Dana Bookbinder
visits Camp Invention.

The National Inventors Hall of Fame® partners with educators, school districts, businesses and communities to deliver flexible, turnkey STEM programs that address today's most pressing education challenges and future workforce needs. Designed to align with key education priorities, these programs increase student engagement, strengthen applied STEM learning and build in-demand, real-world skills that prepare students to thrive in school, careers and life.

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The result is stronger student outcomes, supported educators and communities better equipped to meet the evolving needs of a globally competitive workforce.

MEET INSPIRING INDUCTEES WITH **ILLINOIS** CONNECTIONS



Kerrie Holley

Service-Oriented Architecture (SOA)

Inducted in 2025
Grew up in Chicago
DePaul University graduate



Mary-Dell Chilton

Transgenic Plant

Inducted in 2015
University of Illinois graduate



Dana Bookbinder

Bend-Insensitive Optical Fiber

Inducted in 2022
Northern Illinois University graduate

BRINGING INVENTION EDUCATION TO ILLINOIS



*I love seeing how each invention is completely different from the next.
The students are all so smart, creative and helpful to others!*



– Alison B., Teacher, Lincoln, IL

IMPACT ACROSS THE STATE



Over
11,280
students and
610

educators impacted by
NIHF education programs



6,685+

students whose participation
was supported by national,
local or district-level
scholarships



59%

of participants receive
financial assistance



Nearly
65

districts offered NIHF
education programs

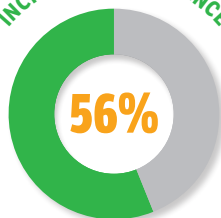
PROVEN BENEFITS



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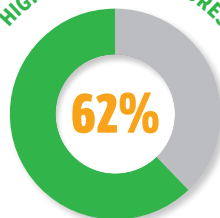
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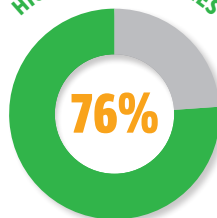
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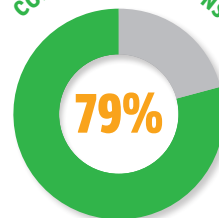
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COLLEGE ASPIRATIONS



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National Inventors
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EDUCATION PROGRAMS

HONORING INNOVATORS, EMPOWERING TOMORROW'S WORKFORCE



Two friends participate in Camp Invention.

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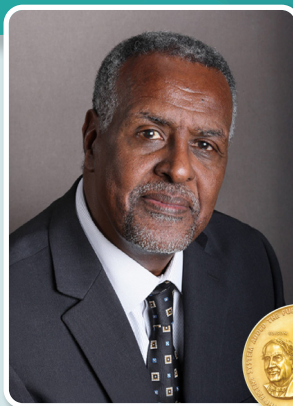
The result is stronger student outcomes, supported educators and communities better equipped to meet the evolving needs of a globally competitive workforce.

MEET INSPIRING INDUCTEES WITH **INDIANA** CONNECTIONS



Richard DiMarchi
Insulin LisPro (Humalog®)

Inducted in 2014
Indiana University
distinguished professor



Gebisa Ejeta
Sorghum Hybrids

Inducted in 2026
Purdue University
graduate and professor



Games Slayter
Fiberglass

Inducted in 2006
Born in Argos

BRINGING INVENTION EDUCATION TO INDIANA



The personalized hands-on learning engages students and shows them a field of learning and careers that might be all new to them.

– Kylee R., Teacher, Redken, IN



IMPACT ACROSS THE STATE



Over
5,100
students and
325
educators impacted by
NIHF education programs



1,755+
students whose participation
was supported by national,
local or district-level
scholarships



35%
of participants receive
financial assistance



Nearly
50
districts offered NIHF
education programs

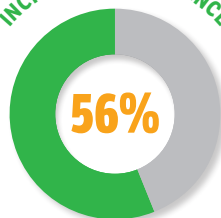
PROVEN BENEFITS



JUST ONE WEEK

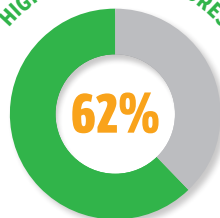
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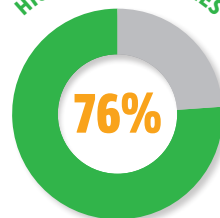
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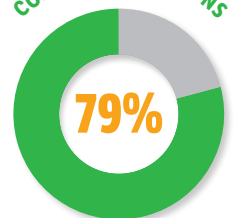
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HIGHER MATH SCORES



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COLLEGE ASPIRATIONS



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National Inventors
Hall of Fame®
EDUCATION PROGRAMS

HONORING INNOVATORS, EMPOWERING TOMORROW'S WORKFORCE



NIHF Inductee Iver Anderson visits Camp Invention.

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MEET INSPIRING INDUCTEES WITH **IOWA** CONNECTIONS



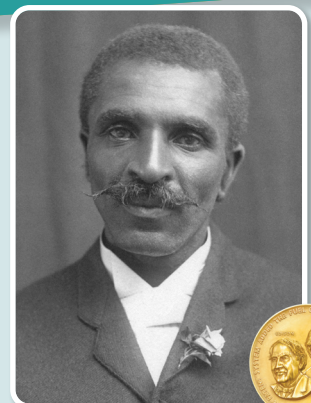
Iver Anderson
Lead-Free Solder

Inducted in 2017
Resident of Ames
Iowa State University professor



Marvin Caruthers
Chemical Synthesis of DNA

Inducted in 2018
Born in Des Moines
Iowa State University graduate



George Washington Carver
Peanut Products

Inducted in 1990
First black student and faculty member
at Iowa State University

BRINGING INVENTION EDUCATION TO **IOWA**



This is a great experience for kids, and it is an easy program to facilitate with all the great, ready-to-use resources that are provided.



– Leah D., Teacher, Cedar Rapids, IA

IMPACT ACROSS THE STATE



Over
2,290
students and
150
educators impacted by
NIHF education programs



485
students whose participation
was supported by national,
local or district-level
scholarships



21%
of participants receive
financial assistance



Nearly
30
partners offered NIHF
education programs

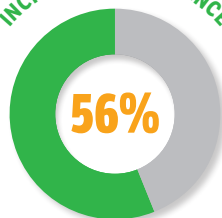
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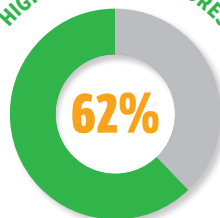
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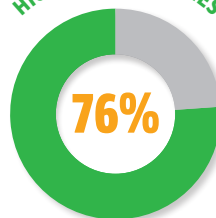
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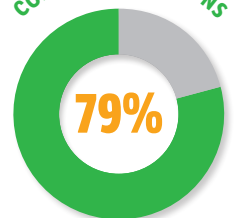
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the district average.⁴

HIGHER MATH SCORES



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COLLEGE ASPIRATIONS



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plan to enroll
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National Inventors
Hall of Fame®
EDUCATION PROGRAMS

HONORING INNOVATORS, EMPOWERING TOMORROW'S WORKFORCE



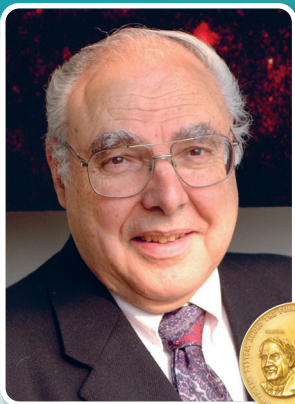
NIHF Inductee Margaret Wu visits Camp Invention.

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MEET INSPIRING INDUCTEES WITH **MARYLAND** CONNECTIONS



Frank Cepollina

Satellite Servicing Techniques

Inducted in 2003
Worked at NASA Goddard
Space Flight Center in Greenbelt



James E. West

Electret Microphone

Inducted in 1999
Johns Hopkins University professor



Margaret Wu

Synthetic Lubricants

Inducted in 2022
Resident of Odenton

BRINGING INVENTION EDUCATION TO MARYLAND

“What stood out to me most was how these experiences sparked a genuine interest in learning. It was rewarding to witness their curiosity grow in real time.”

– Tatiana H., Teacher, Germantown, MD

IMPACT ACROSS THE STATE



Over
7,150
students and
385
educators impacted by
NIHF education programs



3,825
students whose participation
was supported by national,
local or district-level
scholarships



53%
of participants receive
financial assistance



Nearly
25
partners offered NIHF
education programs

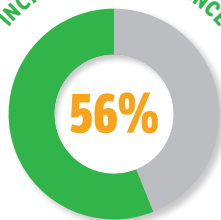
PROVEN BENEFITS



JUST ONE WEEK

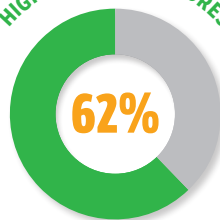
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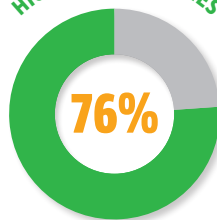
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HIGHER READING SCORES



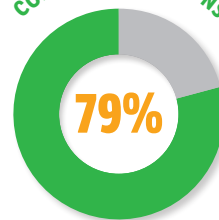
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HIGHER MATH SCORES



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COLLEGE ASPIRATIONS



of participants
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in college.⁵

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National Inventors
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EDUCATION PROGRAMS

HONORING INNOVATORS, EMPOWERING TOMORROW'S WORKFORCE



NIHF Inductee Peter Wurman (Mobile Robotic Material Handling for Order Fulfillment; Inducted in 2022; MIT graduate) visits Camp Invention

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MEET INSPIRING INDUCTEES WITH **MASSACHUSETTS** CONNECTIONS



Marshall Jones
Industrial Lasers

Inducted in 2017
University of Massachusetts graduate



Jennifer Doudna
CRISPR-Cas9 Gene Editing

Inducted in 2023
Harvard Medical School graduate



Rebecca Richards-Kortum
Medical Devices for
Low-Resource Settings

Inducted in 2019
Massachusetts Institute of
Technology graduate

BRINGING INVENTION EDUCATION TO MASSACHUSETTS



The organized nature of the program as well as the hands-on approach were very meaningful to me as a teacher and to my students.



– Michelle M., Teacher, East Falmouth, MA

IMPACT ACROSS THE STATE



Over
5,600
students and
300
educators impacted by
NIHF education programs



2,145+
students whose participation
was supported by national,
local or district-level
scholarships



38%
of participants receive
financial assistance



Nearly
40
districts offered NIHF
education programs

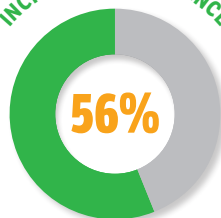
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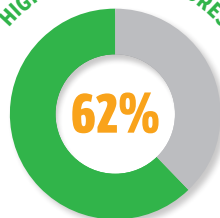
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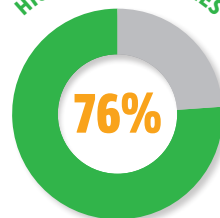
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HIGHER READING SCORES



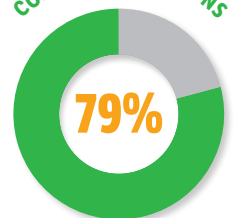
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COLLEGE ASPIRATIONS



of participants
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MEET INSPIRING INDUCTEES WITH **MICHIGAN** CONNECTIONS



Iver Anderson
Lead-Free Solder

Inducted in 2017
Michigan Technological
University graduate



Marshall Jones
Industrial Lasers

Inducted in 2017
University of Michigan graduate



Sumita Mitra
Nanocomposite Dental Materials

Inducted in 2018
University of Michigan graduate

BRINGING INVENTION EDUCATION TO MICHIGAN

“This program was so well organized. The curriculum is phenomenal and leads the instruction so well through every step. I definitely recommend this camp to anyone and would love to teach it again!”

– Rodney T., Teacher, Bad Axe, MI

IMPACT ACROSS THE STATE



Over
9,960
students and
550

educators impacted by
NIHF education programs



5,970+

students whose participation
was supported by national,
local or district-level
scholarships



60%

of participants receive
financial assistance



Nearly
85

districts offered NIHF
education programs

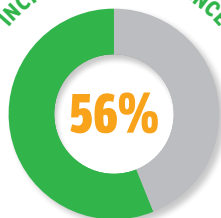
PROVEN BENEFITS



JUST ONE WEEK

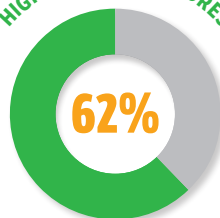
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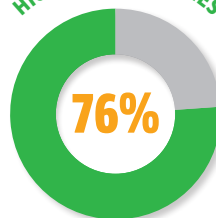
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HIGHER READING SCORES



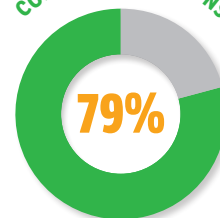
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HIGHER MATH SCORES



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COLLEGE ASPIRATIONS



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National Inventors
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EDUCATION PROGRAMS

HONORING INNOVATORS, EMPOWERING TOMORROW'S WORKFORCE



NIHF Inductee Sumita Mitra visits Camp Invention.

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MEET INSPIRING INDUCTEES WITH **MINNESOTA** CONNECTIONS



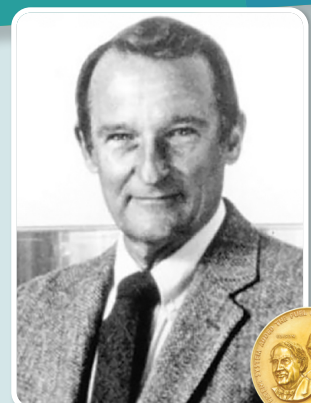
Arthur Fry
Post-it® Notes

Inducted in 2010
Born in Owatona
University of Minnesota graduate
3M retiree



Sumita Mitra
Nanocomposite Dental Materials

Inducted in 2018
3M retiree



Seymour Cray
Supercomputer

Inducted in 1997
University of Minnesota student
Control Data Corp. founder

BRINGING INVENTION EDUCATION TO MINNESOTA

“Camp Invention embodies what I imagine teaching and learning should be. Hands on, inquiry based, discussions, planning, modifying and learning. I love it.”
— Anita T., Teacher, Chisholm, MN

IMPACT ACROSS THE STATE



Over
4,010
students and
270
educators impacted by
NIHF education programs



1,275+
students whose participation
was supported by national,
local or district-level
scholarships



32%
of participants receive
financial assistance



Nearly
50
districts offered NIHF
education programs

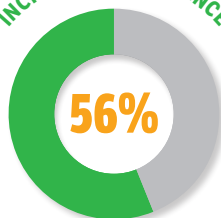
PROVEN BENEFITS



JUST ONE WEEK

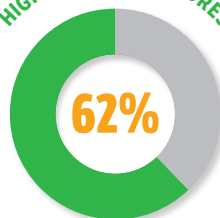
of Camp Invention results in
significant short- and long-term
improvements in creativity, STEM
interest and problem solving.¹
Students with multiple experiences
show even higher gains.²

INCREASED ATTENDANCE



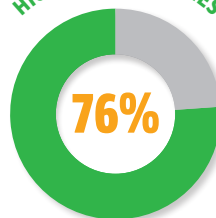
of students with
high-risk absence
rates demonstrated
excellent attendance.³

HIGHER READING SCORES



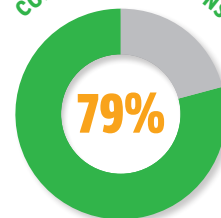
of participants have
reading scores
significantly above
the district average.⁴

HIGHER MATH SCORES



of participants
have math scores
significantly above
the district average.⁴

COLLEGE ASPIRATIONS



of participants
plan to enroll
in college.⁵

Engage students. Support educators. Deliver measurable results.

Learn more at invent.org/educators



National Inventors
Hall of Fame®

UNITED STATES
PATENT AND TRADEMARK OFFICE

In partnership with

1. ChangeMaker Consulting LLC, Camp Invention Evaluation Executive Summary (2014).
2. R. Moore, The Impact of Invention Education Participation on Students' Confidence and Anxiety in STEM. The Center for Education Integrating Science, Mathematics and Computing, Georgia Institute of Technology (April 2024).
3. Summit Education Initiative, National Inventors Hall of Fame Camp Invention Summer 2018 (December 2018).
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National Inventors
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EDUCATION PROGRAMS

HONORING INNOVATORS, EMPOWERING TOMORROW'S WORKFORCE



NIHF Inductee Barney Graham visits Camp Invention.

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MEET INSPIRING INDUCTEES WITH **MISSOURI** CONNECTIONS



Barney Graham
Structure-Based Vaccine Design

Inducted in 2025
Born in Kansas City



Esther Sans Takeuchi
Li/SVO Battery Technology in Implantable
Cardioverter Defibrillators

Inducted in 2011
Born in Kansas City



William Lear
Car Radio

Inducted in 1993
Born in Hannibal

BRINGING INVENTION EDUCATION TO MISSOURI

“As a building administrator, I love the excitement that the modules create in my teaching staff during the school year. They come away from camp with new ideas about how to approach learning in their classrooms.”

– Chavis C., Assistant Principal, Liberty, MO

IMPACT ACROSS THE STATE



Over
1,605
students and
105
educators impacted by
NIHF education programs



460+
students whose participation
was supported by national,
local or district-level
scholarships



29%
of participants receive
financial assistance



Nearly
15
districts offered NIHF
education programs

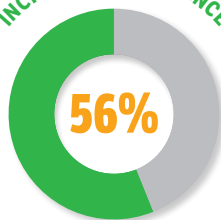
PROVEN BENEFITS



JUST ONE WEEK

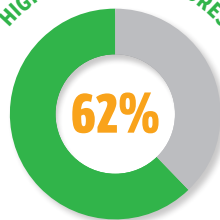
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Students with multiple experiences
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INCREASED ATTENDANCE



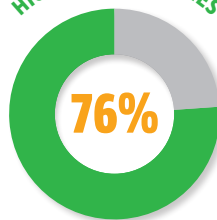
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HIGHER READING SCORES



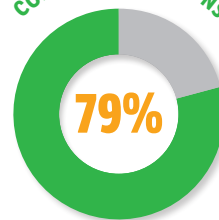
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reading scores
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HIGHER MATH SCORES



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COLLEGE ASPIRATIONS



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NIHF Inductees Lisa Lindahl and Polly Smith (Sports Bra; Vermont residents) visit Camp Invention.

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MEET INSPIRING INDUCTEES WITH **NEW ENGLAND** CONNECTIONS



Eric R. Fossum

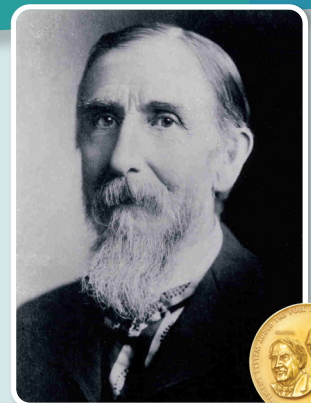
CMOS Active Pixel Image Sensor
Camera-on-a-Chip

Inducted in 2011
Dartmouth College faculty



Hinda Miller
Sports Bra

Inducted in 2022
Vermont state senator from 2003-12



Milton Bradley
Game Board

Inducted in 2006
Born in Vienna, ME

- Maine
- New Hampshire
- Rhode Island
- Vermont



BRINGING INVENTION EDUCATION TO NEW ENGLAND

“

*Camp Invention gives an engaging space for curious
and creative thinkers to thrive and shine.*

– Lisa S., Teacher, Amherst, NH

”

IMPACT ACROSS THE STATE



Over
2,195
students and
150
educators impacted by
NIHF education programs



780
students whose participation
was supported by national,
local or district-level
scholarships



36%
of participants receive
financial assistance



Nearly
25
partners offered NIHF
education programs

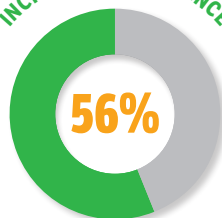
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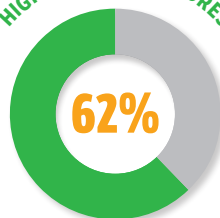
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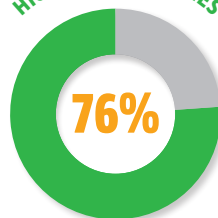
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HIGHER READING SCORES



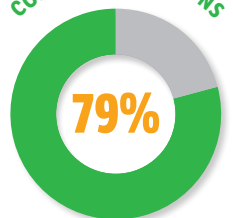
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reading scores
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HIGHER MATH SCORES



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COLLEGE ASPIRATIONS



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NIHF Inductees Lisa Lindahl and Polly Smith (Sports Bra; Inducted in 2022 and raised in Montclair) visit Camp Invention.

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MEET INSPIRING INDUCTEES WITH **NEW JERSEY** CONNECTIONS



Lanny Smoot

Theatrical Technologies
and Special Effects

Inducted in 2024
Worked for Bell Labs



Andrea Goldsmith

Adaptive Beamforming
for Multi-Antenna Wi-Fi

Inducted in 2024
Former Dean of Engineering and Applied
Science; Former Professor of Electrical
Engineering at Princeton University



Irwin M. Lachman

Ceramic Substrate in
Catalytic Converters

Inducted in 2002
Rutgers University graduate

BRINGING INVENTION EDUCATION TO NEW JERSEY



I love how students get to use their creativity and engineering skills. The curriculum, slides and work music are all well organized and easy to follow.



– Christine H., Teacher, Dumont, NJ

IMPACT ACROSS THE STATE



Over
9,665
students and
460

educators impacted by
NIHF education programs



5,685+

students whose participation
was supported by national,
local or district-level
scholarships



59%

of participants receive
financial assistance



Nearly
55

districts offered NIHF
education programs

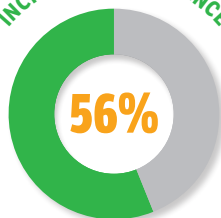
PROVEN BENEFITS



JUST ONE WEEK

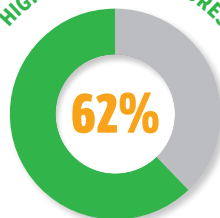
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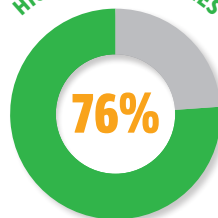
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HIGHER READING SCORES



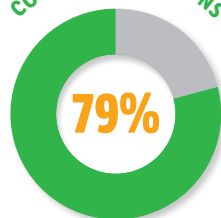
of participants have
reading scores
significantly above
the district average.⁴

HIGHER MATH SCORES



of participants
have math scores
significantly above
the district average.⁴

COLLEGE ASPIRATIONS



of participants
plan to enroll
in college.⁵

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1. ChangeMaker Consulting LLC, Camp Invention Evaluation Executive Summary (2014).
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National Inventors
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EDUCATION PROGRAMS

HONORING INNOVATORS, EMPOWERING TOMORROW'S WORKFORCE



NIHF Inductee Steven Sasson visits Camp Invention.

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MEET INSPIRING INDUCTEES WITH **NEW YORK** CONNECTIONS



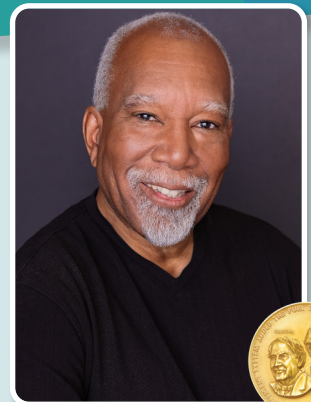
Edith Flanigen
Molecular Sieves

Inducted in 2004
Born in Buffalo
D'Youville College and
Syracuse University graduate



Steven Sasson
Digital Camera

Inducted in 2011
Born in Brooklyn
Brooklyn Technical High School and
Rensselaer Polytechnic Institute graduate



Lanny Smoot
Theatrical Technologies
and Special Effects

Inducted in 2024
Grew up in Brooklyn
Brooklyn Technical High School
and Columbia University graduate

BRINGING INVENTION EDUCATION TO NEW YORK

“

I love that the programming is completely mapped out and all resources are provided and labeled for easy access.

– Linda G., Teacher, Hemlock, NY

”

IMPACT ACROSS THE STATE



Over
7,475
students and
460

educators impacted by
NIHF education programs



2,250+

students whose participation
was supported by national,
local or district-level
scholarships



30%

of participants receive
financial assistance



Nearly
65

districts offered NIHF
education programs

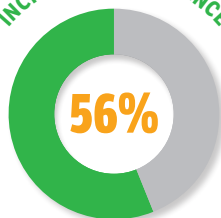
PROVEN BENEFITS



JUST ONE WEEK

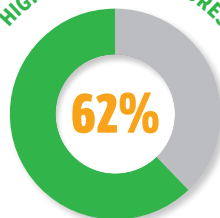
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Students with multiple experiences
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INCREASED ATTENDANCE



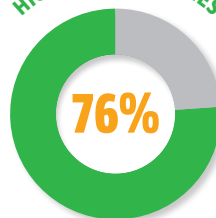
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HIGHER READING SCORES



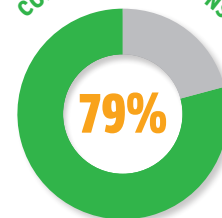
of participants have
reading scores
significantly above
the district average.⁴

HIGHER MATH SCORES



of participants
have math scores
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the district average.⁴

COLLEGE ASPIRATIONS



of participants
plan to enroll
in college.⁵

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NIHF Inductee Robert Bryant visits Camp Invention.

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MEET INSPIRING INDUCTEES WITH **OHIO** CONNECTIONS



Robert Bryant

LaRC-SI (Langley Research
Center-Soluble Imide)

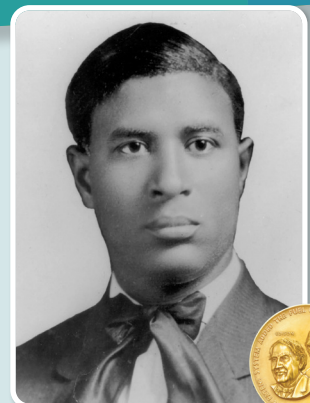
Inducted in 2023
University of Akron graduate



Helen Free

Glucose Detection for Diabetes

Inducted in 2000
Poland Seminary High School
and College of Wooster graduate



Garrett Morgan

Gas Mask;
Three-Way Traffic Signal

Inducted in 2005
Lived in Cleveland

BRINGING INVENTION EDUCATION TO OHIO

“Watching the students become inventors through STEM is priceless. The students were able to problem solve and come up with different ways to fix their errors.”
– Crystal D., Teacher, Hudson, OH

IMPACT ACROSS THE STATE



Over
17,940
students and
1,150
educators impacted by
NIHF education programs



7,585+
students whose participation
was supported by national,
local or district-level
scholarships



42%
of participants receive
financial assistance



Nearly
150
districts offered NIHF
education programs

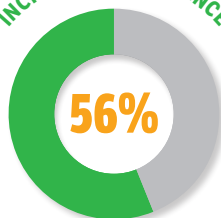
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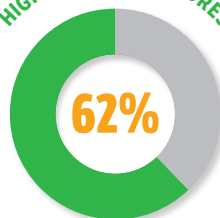
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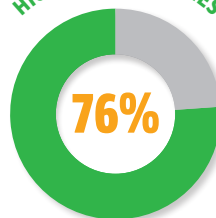
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HIGHER READING SCORES



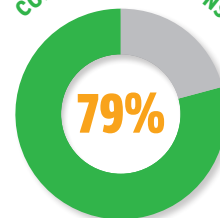
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HIGHER MATH SCORES



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plan to enroll
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NIHF Inductee Sylvia Blankenship
visits Camp Invention.

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MEET INSPIRING INDUCTEES WITH **PACIFIC REGION** CONNECTIONS



Sylvia Blankenship

1-MCP for Fruit, Vegetable
and Flower Freshness

Inducted in 2022
Oregon State University graduate



Douglas Engelbart

Computer Mouse

Inducted in 1998
Oregon State University graduate



Harriet Strong

Water Storage and Flood Control

Inducted in 2016
Lived in Carson City, NV

- Alaska
- Hawaii
- Nevada
- Oregon



BRINGING INVENTION EDUCATION TO THE PACIFIC REGION

“

Every year I am amazed at how engaging Camp Invention is. Seeing the curiosity and joy from students is so rewarding.

– Kara O., Teacher, Tigard, OR

”

IMPACT ACROSS THE STATE



Over
7,305
students and
380

educators impacted by
NIHF education programs



5,425

students whose participation
was supported by national,
local or district-level
scholarships



74%

of participants receive
financial assistance



Nearly
45

partners offered NIHF
education programs

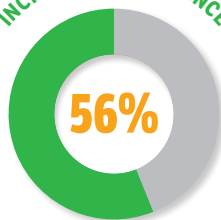
PROVEN BENEFITS



JUST ONE WEEK

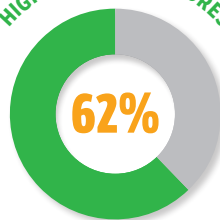
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INCREASED ATTENDANCE



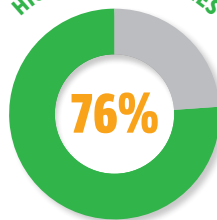
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HIGHER READING SCORES



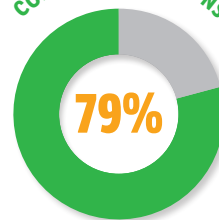
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HIGHER MATH SCORES



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COLLEGE ASPIRATIONS



of participants
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NIHF Inductee Rory Cooper visits Camp Invention.

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MEET INSPIRING INDUCTEES WITH **PENNSYLVANIA** CONNECTIONS



Garrett Brown

Steadicam® Camera Stabilizer

Inducted in 2013

Haverford Township High School graduate
Philadelphia resident



Rory Cooper

Wheelchair Technology

Inducted in 2023

Pittsburgh resident, Human Engineering
Research Laboratories (HERL) founder



Esther Takeuchi

Lithium/Silver Vanadium Oxide
(Li/SVO) Battery Technology
in Implantable Cardioverter
Defibrillators (ICDs)

Inducted in 2011

University of Pennsylvania graduate

BRINGING INVENTION EDUCATION TO PENNSYLVANIA

“

*I love watching the children problem solve during the modules.
When an idea doesn't work, they don't give up.*

”

– Melissa S., Teacher, Pittsburgh, PA

IMPACT ACROSS THE STATE



Over
9,555
students and
540
educators impacted by
NIHF education programs



4,415
students whose participation
was supported by national,
local or district-level
scholarships



46%
of participants receive
financial assistance



Nearly
70
partners offered NIHF
education programs

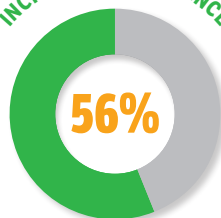
PROVEN BENEFITS



JUST ONE WEEK

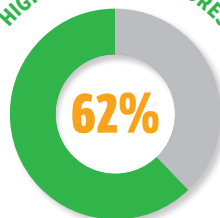
of Camp Invention results in
significant short- and long-term
improvements in creativity, STEM
interest and problem solving.¹
Students with multiple experiences
show even higher gains.²

INCREASED ATTENDANCE



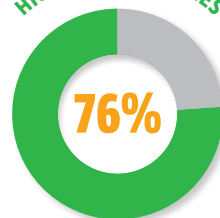
of students with
high-risk absence
rates demonstrated
excellent attendance.³

HIGHER READING SCORES



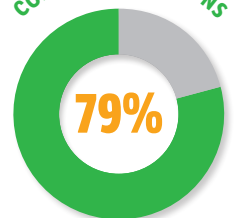
of participants have
reading scores
significantly above
the district average.⁴

HIGHER MATH SCORES



of participants
have math scores
significantly above
the district average.⁴

COLLEGE ASPIRATIONS



of participants
plan to enroll
in college.⁵

Engage students. Support educators. Deliver measurable results.

Learn more at invent.org/educators



National Inventors
Hall of Fame®
EDUCATION PROGRAMS

HONORING INNOVATORS, EMPOWERING TOMORROW'S WORKFORCE



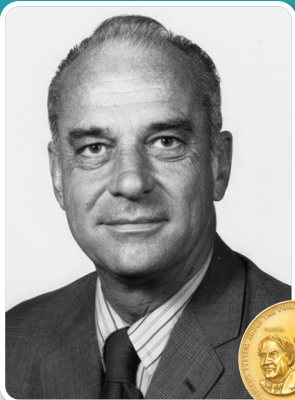
Two friends participate in Camp Invention.

The National Inventors Hall of Fame® partners with educators, school districts, businesses and communities to deliver flexible, turnkey STEM programs that address today's most pressing education challenges and future workforce needs. Designed to align with key education priorities, these programs increase student engagement, strengthen applied STEM learning and build in-demand, real-world skills that prepare students to thrive in school, careers and life.

Offered across in-school, afterschool and summer settings, the Hall of Fame's programs are built for easy implementation and scalability, enabling education partners to expand high-quality learning opportunities without adding strain to staff or resources. Through hands-on experiences grounded in stories of real, world-changing innovators, students connect their learning to practical applications while developing creativity, confidence and problem-solving skills.

The result is stronger student outcomes, supported educators and communities better equipped to meet the evolving needs of a globally competitive workforce.

MEET INSPIRING INDUCTEES WITH **PLAINS REGION** CONNECTIONS



Otis Ray McIntire
STYROFOAM™ Brand Foam

Inducted in 2008
Born in Gardner, KS
University of Kansas graduate



Rebecca Richards-Kortum
Medical Devices for
Low-Resource Settings

Inducted in 2019
University of Nebraska-Lincoln graduate



Ernest Orlando Lawrence
Cyclotron

Inducted in 1982
Born in Canton, SD
University of South Dakota graduate

- Kansas
- Nebraska
- North Dakota
- Oklahoma
- South Dakota



BRINGING INVENTION EDUCATION TO THE PLAINS REGION

“

*The program is very engaging and meaningful.
I want all students to have this experience.*
– Holly B., Teacher, Brookings, SD

”

IMPACT ACROSS THE STATE



Over
23,465
students and
1,020
educators impacted by
NIHF education programs



20,280
students whose participation
was supported by national,
local or district-level
scholarships



86%
of participants receive
financial assistance



Nearly
55
partners offered NIHF
education programs

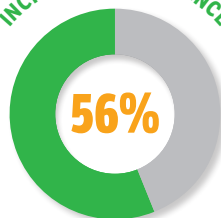
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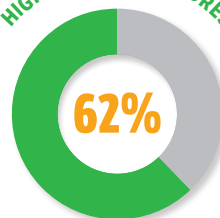
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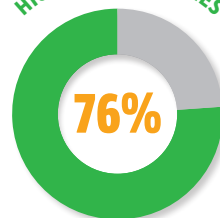
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HIGHER READING SCORES



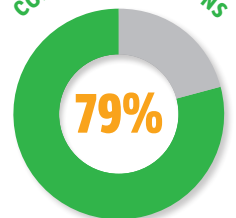
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HIGHER MATH SCORES



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COLLEGE ASPIRATIONS



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HONORING INNOVATORS, EMPOWERING TOMORROW'S WORKFORCE



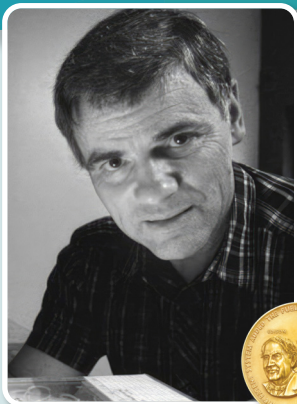
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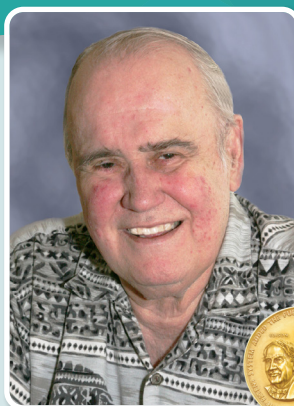
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MEET INSPIRING INDUCTEES WITH **ROCKY MOUNTAIN** CONNECTIONS



Leroy Edward Hood
DNA Sequencer

Inducted in 2007
Born in Missoula, MT



Frank Wanlass
Complementary Metal Oxide
Semiconductor (CMOS)

Inducted in 2009
Born in Canton, SD
University of Utah graduate



Frank Zamboni
Ice Rink Resurfacing Machine

Inducted in 2007
Born in Eureka, UT

- Idaho
- Montana
- Utah
- Wyoming



BRINGING INVENTION EDUCATION TO THE ROCKY MOUNTAINS

“

*I loved how well designed the program was and
how engaging it was for our students.*

– Marsha S., Teacher, Pocatello, ID

”

IMPACT ACROSS THE STATE



Over
3,635
students and
260
educators impacted by
NIHF education programs



1,105
students whose participation
was supported by national,
local or district-level
scholarships



31%
of participants receive
financial assistance



Nearly
40
partners offered NIHF
education programs

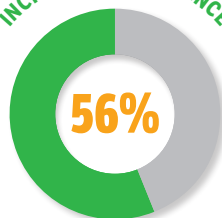
PROVEN BENEFITS



JUST ONE WEEK

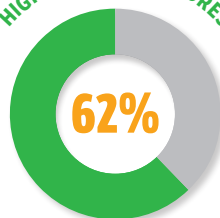
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INCREASED ATTENDANCE



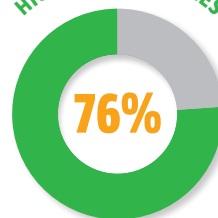
of students with
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HIGHER READING SCORES



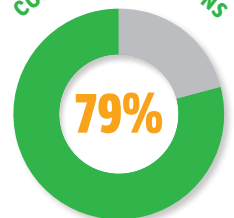
of participants have
reading scores
significantly above
the district average.⁴

HIGHER MATH SCORES



of participants
have math scores
significantly above
the district average.⁴

COLLEGE ASPIRATIONS



of participants
plan to enroll
in college.⁵

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NIHF Inductee Jacqueline Quinn
visits Camp Invention.

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MEET INSPIRING INDUCTEES WITH **S. ATLANTIC** CONNECTIONS



Jacqueline Quinn

EZVI (Emulsified Zero-Valent Iron)

Inducted in 2018

University of Central Florida graduate



Mark Dean

Peripherals

Inducted in 1997

Florida Atlantic University graduate



Sara Blakely

SPANX® Shapewear

Inducted in 2026

Born in Clearwater

Florida State University graduate

• Florida
• Puerto Rico

BRINGING INVENTION EDUCATION TO SOUTH ATLANTIC



We love the depth of learning, and the experience with invention that allows students to grow their levels of stamina, willingness to struggle - and even fail.



- Caitlyn T., Teacher, Niceville, FL

IMPACT ACROSS THE STATE



Over
6,550
students and
275
educators impacted by
NIHF education programs



4,685+
students whose participation
was supported by national,
local or district-level
scholarships



71.6%
of participants receive
financial assistance



Nearly
25
districts offered NIHF
education programs

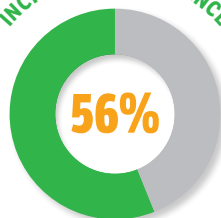
PROVEN BENEFITS



JUST ONE WEEK

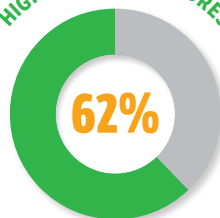
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INCREASED ATTENDANCE



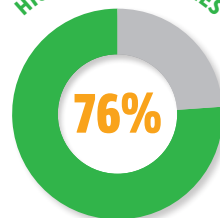
of students with
high-risk absence
rates demonstrated
excellent attendance.³

HIGHER READING SCORES



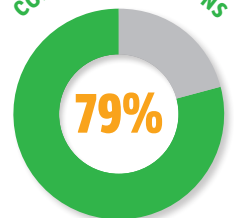
of participants have
reading scores
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the district average.⁴

HIGHER MATH SCORES



of participants
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the district average.⁴

COLLEGE ASPIRATIONS



of participants
plan to enroll
in college.⁵

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HONORING INNOVATORS, EMPOWERING TOMORROW'S WORKFORCE



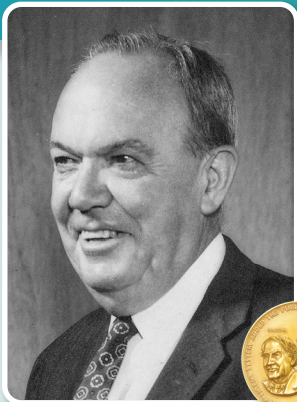
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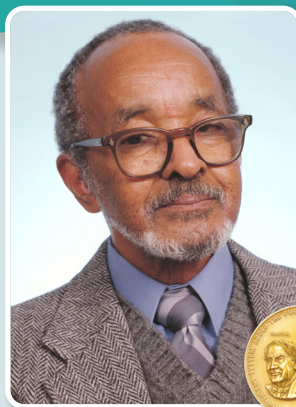
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MEET INSPIRING INDUCTEES WITH **SOUTHWEST** CONNECTIONS



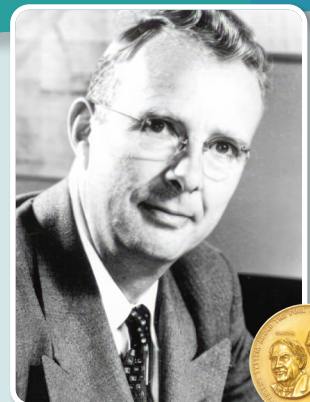
Edward W. Bullard
Hard Hat

Inducted in 2022
Born in Las Vegas, NM



Emmett W. Chappelle
Bioluminescence Techniques

Inducted in 2007
Born in Phoenix



Luis Walter Alvarez
Radio Distance and
Direction Indicator

Inducted in 1978
Los Alamos Laboratory staff



- Arizona
- New Mexico

BRINGING INVENTION EDUCATION TO THE SOUTHWEST REGION



This experience allowed the students to be creative in solving problems, building solutions and working together.

– Joan H., Teacher, Chandler, AZ



IMPACT ACROSS THE STATE



Over
3,405
students and
190
educators impacted by
NIHF education programs



1,680
students whose participation
was supported by national,
local or district-level
scholarships



49%
of participants receive
financial assistance



Nearly
25
partners offered NIHF
education programs

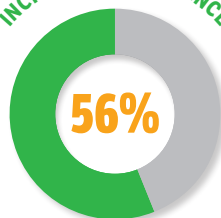
PROVEN BENEFITS



JUST ONE WEEK

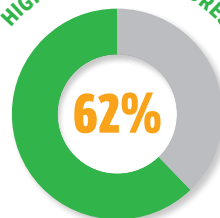
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INCREASED ATTENDANCE



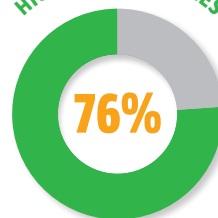
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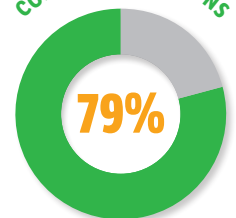
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the district average.⁴

HIGHER MATH SCORES



of participants
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significantly above
the district average.⁴

COLLEGE ASPIRATIONS



of participants
plan to enroll
in college.⁵

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HONORING INNOVATORS, EMPOWERING TOMORROW'S WORKFORCE



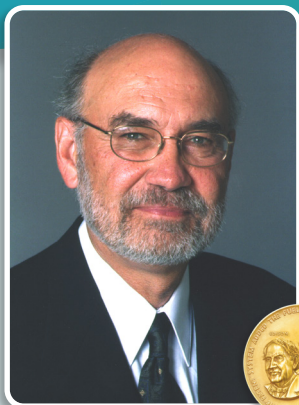
NIHF Inductee Frances Ligler (Portable Optical Biosensors;
Inducted in 2017; faculty at Texas A&M University)
visits Camp Invention.

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MEET INSPIRING INDUCTEES WITH **TEXAS** CONNECTIONS



Spencer Silver
Post-it® Notes

Inducted in 2010
Born in San Antonio



Rebecca Richards-Kortum
Medical Devices for
Low-Resource Settings

Inducted in 2019
Resident of Houston
Faculty Member at Rice University



Jeff Kodosky
Virtual Instrumentation - LabVIEW™

Inducted in 2019
Researcher at University of Texas
Founded National Instruments
based in Austin

BRINGING INVENTION EDUCATION TO TEXAS



“

Students were engaged and engineered great ideas! They really responded to real-world problems and asked thoughtful questions. I have more courage to provide more STEM opportunities during the school year.

”

– Maile Q., Teacher, Lewisville, TX

IMPACT ACROSS THE STATE



Over
44,695
students and
2,170

educators impacted by
NIHF education programs



29,135+

students whose participation
was supported by national,
local or district-level
scholarships



62%

of participants receive
financial assistance



Nearly
130

partners offered NIHF
education programs

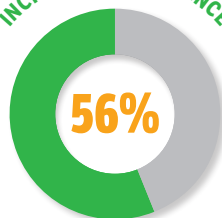
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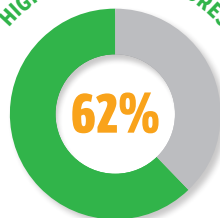
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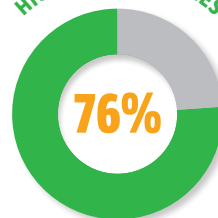
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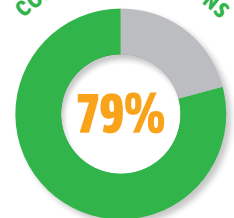
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HIGHER MATH SCORES



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COLLEGE ASPIRATIONS



of participants
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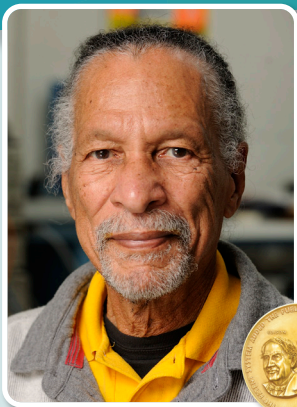
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MEET INSPIRING INDUCTEES WITH **REGIONAL** CONNECTIONS



Jim West

Electret Microphone

Inducted in 1999
Born in Prince Edward County, VA



Frances Ligler

Portable Optical Biosensors

Inducted in 2017
Group Leader for Cellular Immunology
at DuPont



Jennifer Doudna

CRISPR-Cas9 Gene Editing

Inducted in 2023
Born in Washington, DC

BRINGING INVENTION EDUCATION TO

VIRGINIA AND WASHINGTON, DC



This immersive experience encourages students to think beyond their daily routines and explore the possibilities of a scientific career.

– Yasemin P., Teacher, Radford, VA



IMPACT ACROSS THE STATE



Over
6,980
students and
345
educators impacted by
NIHF education programs



3,295
students whose participation
was supported by national,
local or district-level
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47%
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financial assistance



Nearly
25
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education programs

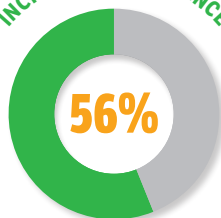
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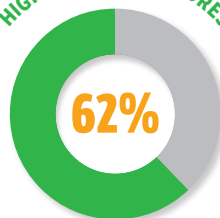
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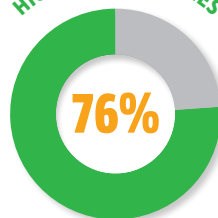
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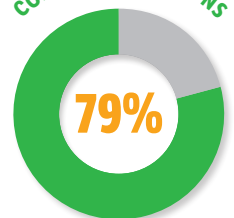
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of participants
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in college.⁵

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NIHF Inductee Edmund Schweitzer III
visits Camp Invention.

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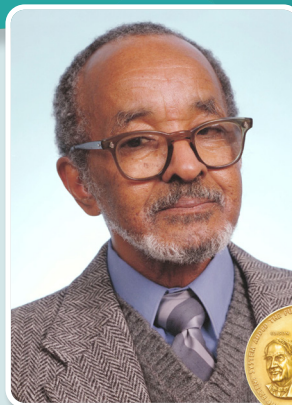
The result is stronger student outcomes, supported educators and communities better equipped to meet the evolving needs of a globally competitive workforce.

MEET INSPIRING INDUCTEES WITH **WASHINGTON** CONNECTIONS



Edmund O. Schweitzer III
Digital Protective Relay

Inducted in 2019
Washington State University graduate
Pullman resident



Emmett Chappelle
Bioluminescence Techniques

Inducted in 2007
University of Washington graduate



Mary-Dell Chilton
Transgenic Plant

Inducted in 2015
University of Washington graduate



BRINGING INVENTION EDUCATION TO WASHINGTON



Teachers are able to jump right in without extra training and be extremely successful delivering the curriculum in a way that inspires kids. That's amazing!



- Karrie B., Teacher, Spokane, WA

IMPACT ACROSS THE STATE



Over
7,985
students and
425
educators impacted by
NIHF education programs



4,720
students whose participation
was supported by national,
local or district-level
scholarships



59%
of participants receive
financial assistance



Nearly
45
partners offered NIHF
education programs

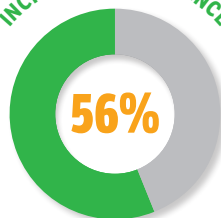
PROVEN BENEFITS



JUST ONE WEEK

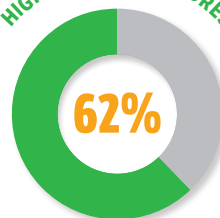
of Camp Invention results in
significant short- and long-term
improvements in creativity, STEM
interest and problem solving.¹
Students with multiple experiences
show even higher gains.²

INCREASED ATTENDANCE



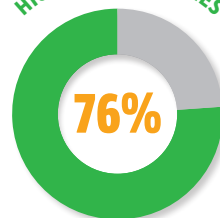
of students with
high-risk absence
rates demonstrated
excellent attendance.³

HIGHER READING SCORES



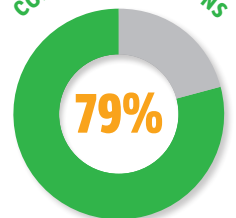
of participants have
reading scores
significantly above
the district average.⁴

HIGHER MATH SCORES



of participants
have math scores
significantly above
the district average.⁴

COLLEGE ASPIRATIONS



of participants
plan to enroll
in college.⁵

Engage students. Support educators. Deliver measurable results.

Learn more at invent.org/educators



National Inventors
Hall of Fame®
EDUCATION PROGRAMS

HONORING INNOVATORS, EMPOWERING TOMORROW'S WORKFORCE



NIHF Inductee Peter Wurman visits Camp Invention.

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MEET INSPIRING INDUCTEES WITH **WISCONSIN** CONNECTIONS



Edith Clarke
Graphical Calculator

Inducted in 2015

University of Wisconsin–Madison attendee



Les Paul
Solid-Body Electric Guitar

Inducted in 2005

Born and raised in Waukesha



Peter Wurman
Mobile Robotic Material Handling
for Order Fulfillment

Inducted in 2022

Wausau East High School graduate

BRINGING INVENTION EDUCATION TO WISCONSIN

“

I think anytime we give our students opportunities to be inventors and explore, it's meaningful. They don't often get to create and experiment in a classroom like they do with Camp Invention.

”

- Tiffaney M., Teacher, Gilman, WI

IMPACT ACROSS THE STATE



Over
6,235
students and
385
educators impacted by
NIHF education programs



3,490
students whose participation
was supported by national,
local or district-level
scholarships



56%
of participants receive
financial assistance



Nearly
45
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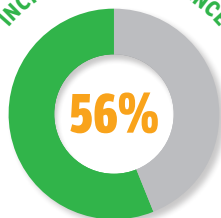
PROVEN BENEFITS



JUST ONE WEEK

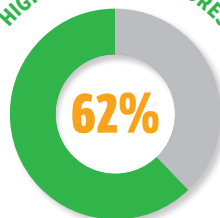
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INCREASED ATTENDANCE



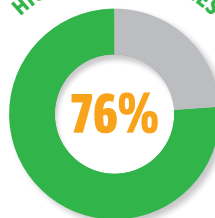
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HIGHER READING SCORES



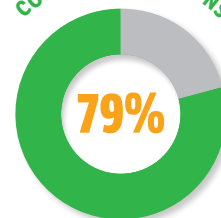
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National Inventors
Hall of Fame®

In partnership with



1. ChangeMaker Consulting LLC, Camp Invention Evaluation Executive Summary (2014).
2. R. Moore, The Impact of Invention Education Participation on Students' Confidence and Anxiety in STEM. The Center for Education Integrating Science, Mathematics and Computing, Georgia Institute of Technology (April 2024).
3. Summit Education Initiative, National Inventors Hall of Fame Camp Invention Summer 2018 (December 2018).
4. Summit Education Initiative, National Inventors Hall of Fame Camp Invention, a Program Component of Akron Public Schools Innovation 365 (I365): Wraparound Summer 2022 (January 2023).
5. Summit Education Initiative, National Inventors Hall of Fame Club Invention Youth View Survey Report Fall 2021 (February 2022).