

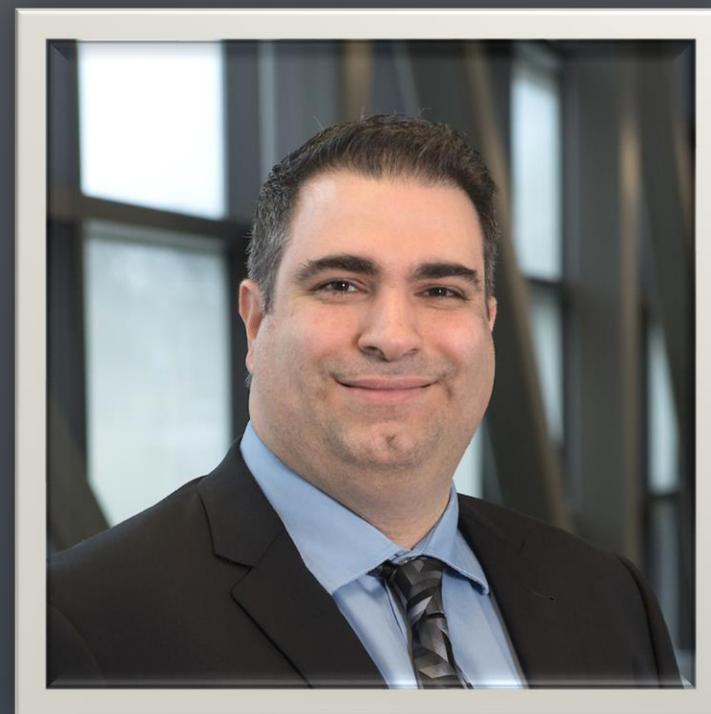
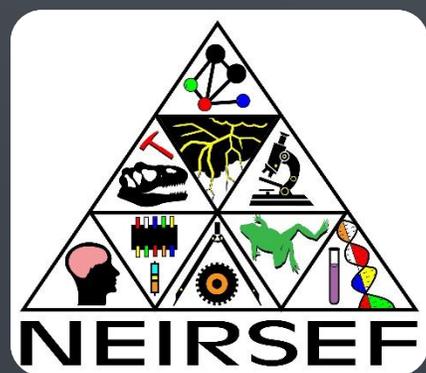
66TH NORTHEAST INDIANA REGIONAL SCIENCE AND ENGINEERING FAIR AWARD CEREMONY



REGIONAL FAIR: MARCH 20, 2021
AWARD CEREMONY: MARCH 21, 2021

PURDUE UNIVERSITY
FORT WAYNE

GREETINGS AND
CONGRATULATIONS FOR
SUCCEEDING IN YOUR RESEARCH
DURING A CHALLENGING YEAR!



Matthew Perkins Coppola, Ph.D.
NEIRSEF Fair Director

IN RECOGNITION OF PFW PARTNERS

PURDUE UNIVERSITY.
FORT WAYNE

- SCHOOL OF EDUCATION
- COLLEGE OF ARTS AND SCIENCES
- OFFICE OF INSTITUTIONAL RESEARCH AND ANALYSIS
- COLLEGE OF ENGINEERING, TECHNOLOGY, AND COMPUTER SCIENCE
- DEPARTMENT OF COMPUTER SCIENCE

NEIRSEF COMMITTEE

MATTHEW PERKINS COPPOLA, PH.D.
ASSISTANT PROFESSOR OF SCIENCE EDUCATION, FAIR DIRECTOR

SCOTT BERGESON PH.D.
ASSISTANT PROFESSOR OF BIOLOGY

JAIYANTH DANIEL, PH.D.
ASSOCIATE PROFESSOR OF BIOLOGY

CAROL DOSTAL, M.A. , OUTREACH DIRECTOR
COLLEGE OF ENGINEERING, TECHNOLOGY, AND COMPUTER SCIENCE

CONNIE KRACHER, PH.D. , DIRECTOR
OFFICE OF INSTITUTIONAL RESEARCH AND ANALYSIS

SHARON PARNIN, E.D., CLINICAL
ASSISTANT PROFESSOR OF EDUCATIONAL PSYCHOLOGY

KIRK TOLLIVER, ASSOCIATE DIRECTOR OF HUMAN RESOURCES
HUMAN RESOURCES AND INSTITUTIONAL EQUITY



FAIR SPONSORS MAKE THE DIFFERENCE!

Dr. Art Friedel



The Ford Family



*MANY SPECIAL AWARD SPONSORS WILL BE IDENTIFIED LATER**

A HUGE THANKS TO OUR FAIR JUDGES!



PARENTS...YOUR SUPPORT MAKES IT WORK!



PARENTS
+ TEACHERS

SUCCESSFUL KIDS



THE REGIONAL FAIR IS A SUCCESS
BECAUSE OF THE MANY SCHOOLS
AND EDUCATORS WHO SUPPORT
STUDENT RESEARCH!

Parochial Schools

Immaculate Heart School
Saint Charles Borromeo School
Saint John The Baptist School
Saint Jude Elementary School

Canterbury School

Fort Wayne Community Schools

Price Elementary School
Irwin Elementary School
Towles Intermediate School
Snider High School

Northwest Allen County Schools

Arcola School
Oak View Elementary School
Perry Hill Elementary School
Carroll Middle School

Northeast Indiana
Region Home Schools

Northern Wells
Community Schools
Ossian Elementary

East Allen County Schools
Leo Junior/Senior High School

Southwest Allen County Schools

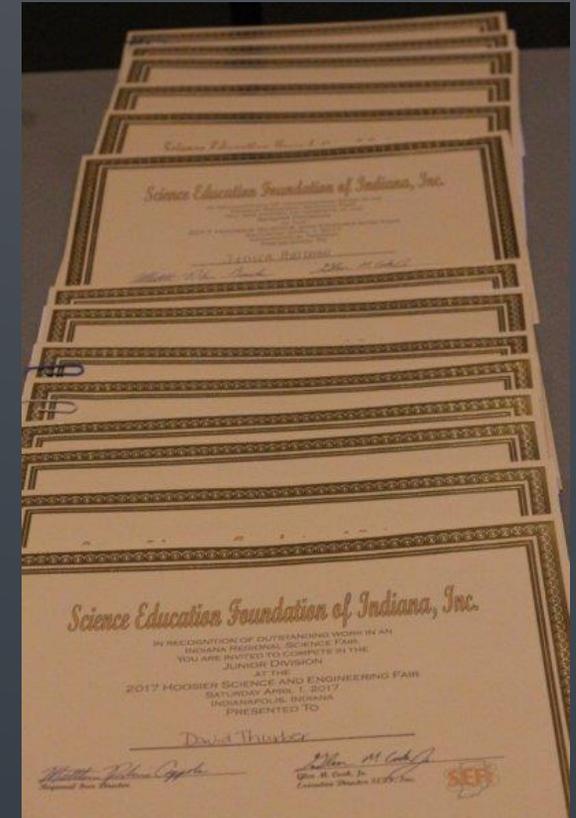
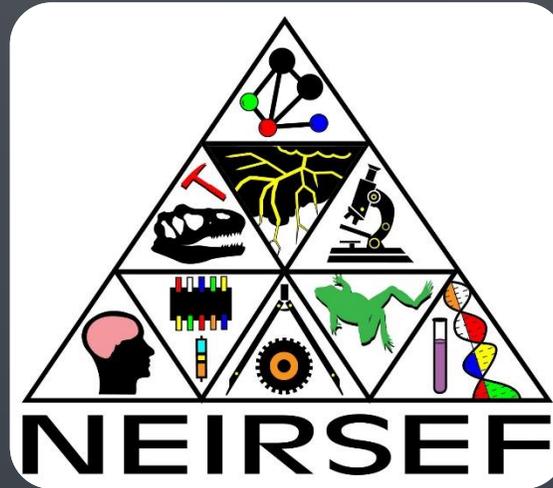
Aboite Elementary School
Woodside Middle School
Homestead Senior High School

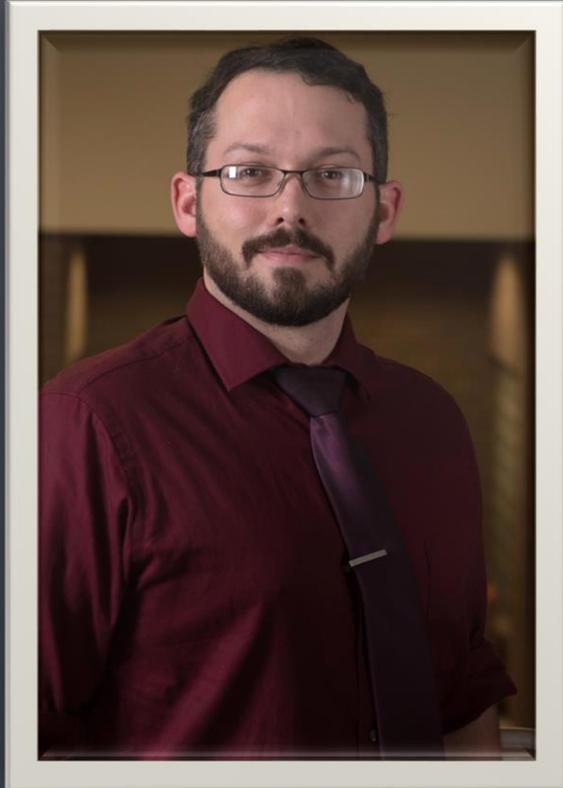
Smith-Green
Community Schools
Churubusco Elementary

CONGRATULATIONS TO ALL
STUDENTS FOR YOUR GREAT
RESEARCH WORK!!



NEIRSEF RECOGNITION AND AWARDS





SPECIAL AWARDS
ANNOUNCED BY
NEIRSEF SPECIAL AWARD
COORDINATOR

SCOTT BERGESON PH.D.
ASSISTANT PROFESSOR OF BIOLOGY

AMERICAN CHEMICAL SOCIETY

\$150, CERTIFICATE AND INVITATION TO ANNUAL DINNER



Isaac Mauer and Naomi Mauer,
NE Regional Home

AQUA INDIANA ENVIRONMENTAL STEWARDSHIP AWARD
TROPHY AND \$100 GIFT CARD



An  Essential Utilities Company

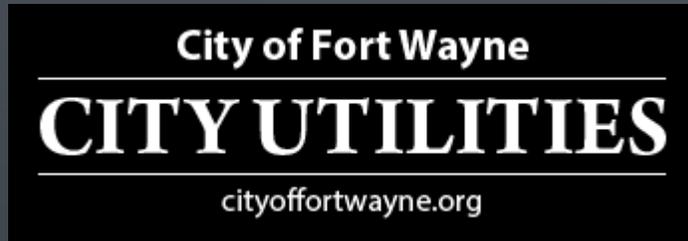
Hudson Hale, Irwin
Olivia Didion, St. Jude
Madeline Phuong, Homestead HS

FORT WAYNE CHILDREN'S ZOO HEALTHY PLANET AWARD
CERTIFICATE, BAG, SWEATSHIRT, AND INVITATION TO JOIN TEENS FOR
NATURE LEADERSHIP PROGRAM



Madeline Phuong, Homestead
Stephanie Onion, Carroll

FORT WAYNE CITY UTILITIES WATER RESOURCE AWARD ENGRAVED PLAQUE



Elementary Division

Hudson Hale, Irwin

Junior Division

Kyliana Drew, St Jude

FOX ISLAND ALLIANCE

MEMBERSHIP, CERTIFICATE, AND \$50



Gabby Colone, St. Charles Borromeo
Sydney Inniger, Canterbury
Lucas Till, Towles

LITTLE RIVER WETLANDS

\$25 GIFT CARD, MEMBERSHIP



Madeline Phuong, Homestead
Colin Thompson, St Charles Borromeo
Ian Wall, Price

PURDUE UNIVERSITY SCHOOL OF AGRICULTURE;

JUNIOR DIVISION: CERTIFICATE

ELEMENTARY DIVISION: CERTIFICATE

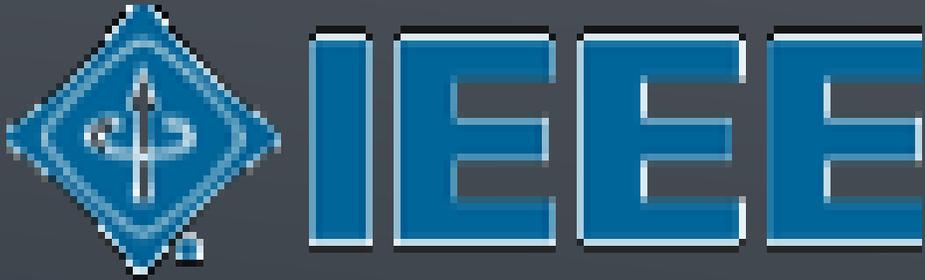


Madeline Phuong, Homestead
Sydney Inniger, Canterbury
Jason Zhang, Canterbury

INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS

MEMBERSHIP, CERTIFICATE, AND

SENIOR DIVISION \$75, JUNIOR DIVISION \$75 1ST, \$50 2ND , AND ELEMENTARY DIVISION \$50



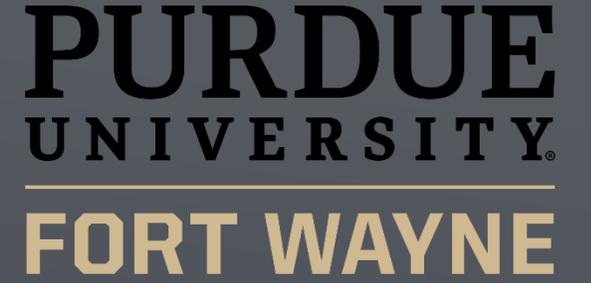
Laura Hartmus, Immaculate Heart

Branson Birkey, NE Region Home (1st)

Alexander Block, Woodside (2nd)

Benjamin Joseph, Aboite

PURDUE FORT WAYNE DEPARTMENT AWARDS



Biology Club Award
Junior Division; \$50

Benjamin Joseph, Aboite

Department of Psychology Award
Certificate

Bethany Perkins, Homestead

SCIENCE AND REGULATORY CONSULTANTS, BEST STUDY DESIGN

ELEMENTARY AWARD: \$25

JUNIOR AWARD: \$50

SENIOR AWARD: \$75



*Scientific & Regulatory
Consultants, Inc.*

Dawson Shovek, St Charles Borromeo

Isaac Maurer and Naomi Maurer, NE Region Home

Laura Hartmus, Immaculate Heart

NORTHEAST INDIANA VETERINARY MEDICAL ASSOCIATION

\$100 CASH AWARD

PRESENTER: ANGELA BRAUN



Margaret GiaQuinta, Irwin
Alyssa Tiffany, Churubusco
Julia Carter, Aboite
Alice Kaufmann, Canterbury
Colin Thompson, St Charles Borromeo

ISAAC KNAPP DISTRICT DENTAL SOCIETY

ELEMENTARY: \$50 AND CERTIFICATE

MIDDLE SCHOOL: \$50 AND CERTIFICATE



Maddox Carsten, St John the Baptist
Caitlin Westhoff, St Jude

AMERICAN PSYCHOLOGICAL ASSOCIATION CERTIFICATE



Bethany Perkins, Homestead

ASU WALTON SUSTAINABILITY SOLUTIONS INITIATIVES CERTIFICATE



Madeline Phuong, Homestead
Bethany Perkins, Homestead

ASSOCIATION FOR WOMEN GEOSCIENTISTS CERTIFICATE



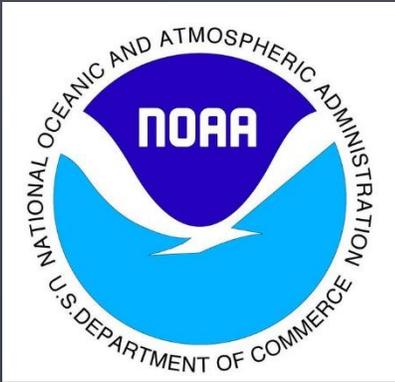
Stephanie Onion, Carroll

AMERICAN METEOROLOGICAL ASSOCIATION CERTIFICATE



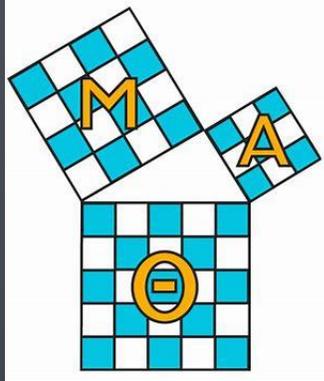
Stephanie Onion, Carroll

NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION CERTIFICATE



Colin Thompson, St Charles Borromeo

MU ALPHA THETA CERTIFICATE



US METRIC ASSOCIATION CERTIFICATE



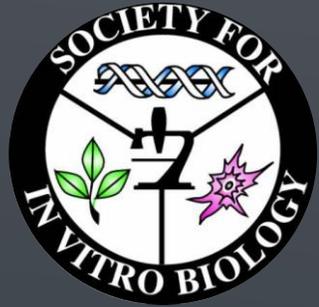
Laura Hartmus, Immaculate Heart

RICOH CORPORATION
CERTIFICATE



Caya Nelson, Woodside

SOCIETY FOR
IN VITRO BIOLOGY
CERTIFICATE



STOCKHOLM JUNIOR WATER PRIZE
CERTIFICATE



Madeline Phuong, Homestead

YALE SCIENCE AND ENGINEERING CERTIFICATE AND MEDALLION



Madeline Phuong, Homestead

HUNTINGTON UNIVERSITY
CERTIFICATE AND \$50 FOR EACH CATEGORY WINNER
PRESENTER: DR. RUTH NALLIAH



Biology:

Madeline Phuong, Homestead

Mathematics:

Laura Hartmus, Immaculate Heart

Health Sciences:

Bethany Perkins, Homestead

Physical Sciences:

Stephanie Onion, Carroll

U.S. NAVY AND MARINE CORPS

Senior: \$50 gift card and
medallion; junior: medallion



Mylie Fulwider, Woodside

Laura Hartmus, Immaculate Heart

Bethany Perkins, Homestead

Madeline Phuong, Homestead

Lucas Swift, Canterbury

Colin Thompson, St Charles Borromeo

Science Applications International Corporation
\$50 and certificate



Isaac Maurer and Naomi Maurer, NE Region Home

Dawson Shovek, St Charles Borromeo

N. MAXINE AND DAVID W. FORD STEM AWARD

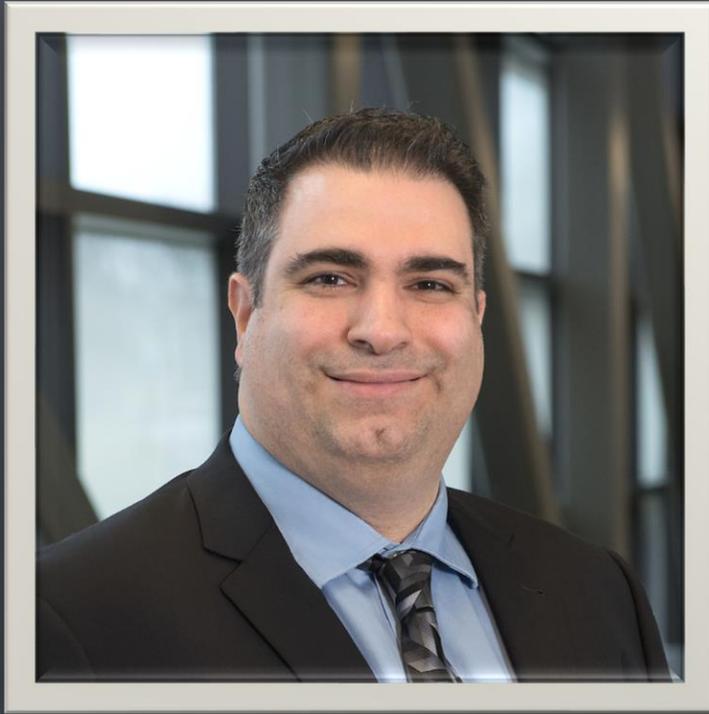
JUNIOR: CERTIFICATE, \$100 AND PERIODIC TABLE POSTER

SENIOR: CERTIFICATE, \$150 AND PERIODIC TABLE POSTER

PRESENTED BY:

Junior Division: \$100 Award:
Alice Kaufmann, Canterbury

Senior Division: \$150 Award
Madeline Phuong, Homestead



ELEMENTARY GRADE
RECOGNITION
ANNOUNCED BY

MATTHEW PERKINS COPPOLA, PH.D.
ASSISTANT PROFESSOR
PURDUE UNIVERSITY FORT WAYNE

FOURTH GRADE PLACEMENT WINNERS

3rd Place

STUDENT(S)

SCHOOL

Olivia Love

Churubusco

Gracelyn Schafer

Arcola

2nd Place

STUDENT(S)

SCHOOL

Gigi Colone

St Charles Borromeo

Aaron Brown

Oak View

FOURTH GRADE PLACEMENT WINNERS

First Place

<u>STUDENT</u>	<u>SCHOOL</u>
Benjamin Joseph	Aboite



4TH GRADE DIRECTOR'S AWARD

STUDENT: Benjamin Joseph

SCHOOL: Aboite

PROJECT: Will Different Materials and Surfaces Affect Wi-Fi Signal Strength



FIFTH GRADE PLACEMENT WINNERS

3rd Place

STUDENT(S)

SCHOOL

Hambleton Longardner

NE Regional Home

Courtney Westrick

Oak View

2nd Place

STUDENT(S)

SCHOOL

Hudson Hale

Irwin

Caleb Neely

Aboite

FIFTH GRADE PLACEMENT WINNERS

First Place

<u>STUDENT</u>	<u>SCHOOL</u>
Braxton Davis	Irwin



5TH GRADE DIRECTOR'S AWARD



STUDENT: Braxton Davis

SCHOOL: Irwin

PROJECT: Does the Angle of the Swing
affect How Far a Baseball Goes?



ARTHUR FRIEDEL MOST PROMISING YOUNG SCIENTIST AWARD—\$100



STUDENT: Braxton Davis

SCHOOL: Irwin

PROJECT: Does the Angle of the Swing
affect How Far a Baseball
Goes?





MIDDLE AND HIGH SCHOOL RECOGNITION

ANNOUNCED BY
NEIRSEF JUDGE COORDINATOR

JAIYANTH DANIEL, PH.D.
ASSOCIATE PROFESSOR OF BIOLOGY

CONGRATULATIONS TO ALL MIDDLE SCHOOL AND HIGH SCHOOL STUDENTS FOR COMPLETING YOUR PROJECTS!

CERTIFICATES OF EXCELLENCE

STUDENTS WHO RECEIVE A CERTIFICATE HAVE DEMONSTRATED EXCELLENT QUALITY AND EXECUTION IN THEIR RESEARCH PROJECT.





Certificates of Excellence
Animal Sciences



Alice Kaufman
"Through Dogs' Ears"

NE Region Home



Certificates of Excellence

Behavioral Sciences



Peter Lassus St. Jude
"Reaction"

Bethany Perkins Homestead HS
"Virtual or In-Person Schooling? Factors in High School Student
Decisions in a Pandemic"



Certificates of Excellence

Earth and Environmental Science



Phuong, Madeline Homestead HS
"Effect of OMRI-Certified Monterey B.T. Easy-to-Mix Liquid Concentrate Bio-insecticide on Daphnia magna Swimming Behavior"

Stephanie Onion Carroll MS
"Soil Solutions"

Colin Thompson St Charles Borromeo
"Does Temperature Affect the Rate of Butterfly Development"



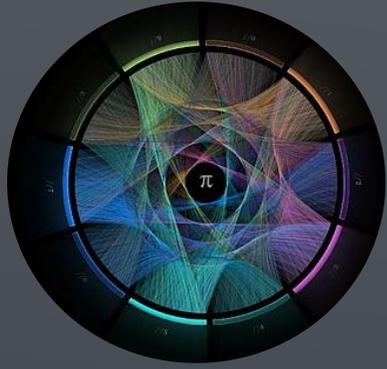
Certificates of Excellence
Chemistry and Physics



Isaac & Naomi Maurer NE Region Home
"Burning Calories"

Olivia Minnich Woodside
"For the Love of Dough"

Birkey, Branson NE Region Home
"Satellite Simulation: Understanding Factors that Impact Velocity"



Certificates of Excellence

Engineering, Computer Science, Mathematics,
Material Science



Hartmus, Laura Immaculate Heart
"Measuring the Speed of Light: Optimization of a Classic
Experiment"



Certificates of Excellence Biomedical and Health Sciences



Dawson Shovek St Charles Borromeo
"How Do Different Brands of Cigarettes Affect Lung Health"

Brandtly Hike St John the Baptist
"The Battle of the Masks"

Maddox Carsten St John the Baptist
"Can Cola, Tea, and Coffee Stain your Teeth?"

Caitlin Westhoff St Jude
"Which Toothpaste Removes the Most Stains"



Certificates of Excellence

Biochemistry



Browne, Nadja NE Region Home
"Miracle Fruit"

Junior and Senior Placement Awards



JUNIOR DIVISION PLACEMENT

3rd Place

<u>STUDENT(S)</u>	<u>SCHOOL</u>
Colin Thompson	St Charles Borromeo
Isaac Maurer	NE Region Home
Naomi Maurer	NE Region Home
Dawson Shovek	St Charles Borromeo

2nd Place

Alice Kaufmann	Canterbury
Stephanie Onion	Carroll
Caya Nelson	Woodside

1st Place

Branson Birkey	NE Regional Home
----------------	------------------

SENIOR DIVISION PLACEMENT

3rd Place

STUDENT(S)

SCHOOL

Bethany Perkins

Homestead

2nd Place

Laura Hartmus

Immaculate Heart

1st Place

Madeline Phuong

Homestead

OUTSTANDING JUNIOR AND SENIOR AWARDS

Outstanding Junior Award: \$100

STUDENT: Branson Birkey
SCHOOL: NE Region Home
PROJECT: Satellite Simulation:
Understanding Factors that
Impact Velocity

Outstanding Senior Award: \$100

STUDENT: Madeline Phuong
SCHOOL: Homestead
PROJECT: Effect of OMRI-Certified
Monterey B.t. Easy-to-Mix Liquid
Concentrate Bio-insecticide on
Daphnia magna Swimming
Behavior





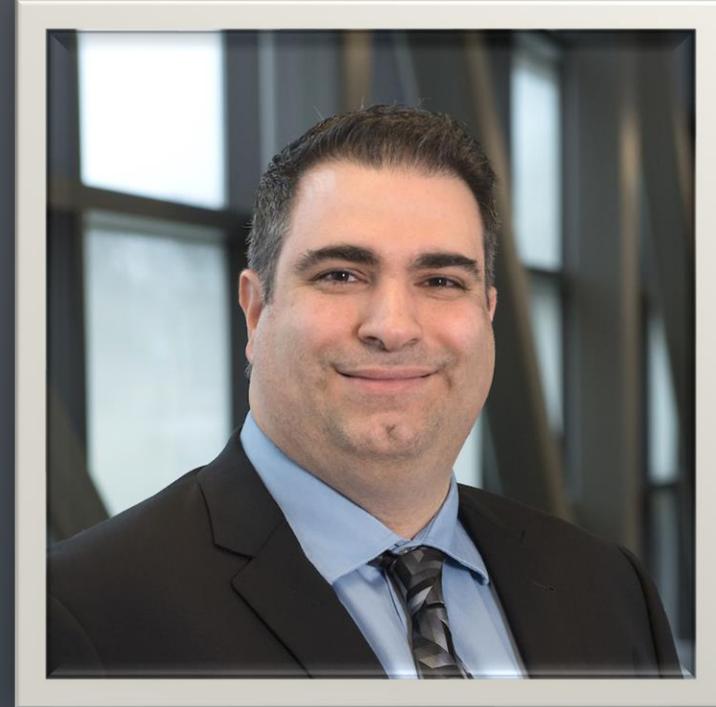
BROADCOM MASTERS

TOP 10% OF JUNIOR PROJECTS

<u>STUDENT(S)</u>	<u>SCHOOL</u>
Branson Birkey	NE Region Home
Caya Nelson	Woodside
Stephanie Onion	Carroll

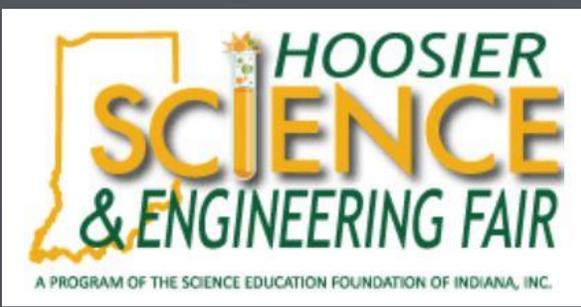
CONGRATULATIONS TO MIDDLE AND
HIGH SCHOOL STUDENTS FOR YOUR
AMAZING RESEARCH!

NOW FOR THE ANNOUNCEMENT OF
HOOSIER STATE SCIENCE AND
ENGINEERING FAIR REPRESENTATIVES



Matthew Perkins Coppola, Ph.D.
NEIRSEF Fair Director

Hoosier Science & Engineering Fair
March 27, 2021



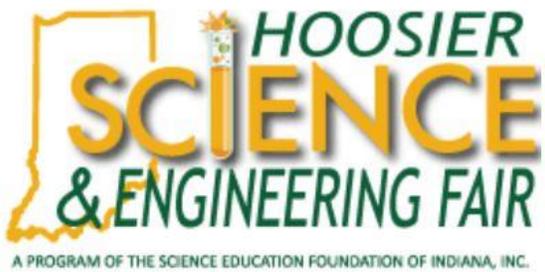
JUNIOR DIVISION REPRESENTATIVES

Elementary
Representative

4 th Grade	Benjamin Joseph	Aboite Elementary
5 th Grade	Braxton Davis	Irwin Elementary

Junior Division
Representatives

Branson Birkey	NE Region Homeschool
Caya Nelson	Woodside MS
Stephanie Onion	Carroll MS
Alice Kaufman	Canterbury School
Dawson Shovek	St. Charles Borromeo
Isaac & Naomi Mauer	NE Region Homeschool
Mylie Fulwider	Woodside MS
Lucas Swift	Canterbury School



SENIOR DIVISION REPRESENTATIVES

Laura Hartmus	Immaculate Heart
Bethany Perkins	Homestead
Madeline Phuong	Homestead

66TH NORTHEAST INDIANA REGIONAL SCIENCE AND ENGINEERING FAIR AWARD CEREMONY



CONGRATULATIONS TO ALL PARTICIPANTS
AND AWARD WINNERS!

PURDUE
UNIVERSITY[®]

FORT WAYNE

THIS POWER POINT PRESENTATION WILL BE
POSTED ON THE NORTHEAST INDIANA
REGIONAL SCIENCE AND
ENGINEERING FAIR WEBSITE:

WWW.NEIRSEF.ORG