

2021 Professional Awards by Student

CertificateName	Title
Aaryan Chandna with Mick Gordinier	Strategic Analysis of Streak Shooting in the NBA

Teacher	School
Nic Fraylick	West Bloomfield High School

Place	Code	Organization Name	Organization Description
2	ASA	American Statistical Association (ASA), Michigan Chapters	\$50 Award of Merit

1	MUALPH	Mu Alpha Theta	Certificate of Achievement
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3	STATE	MSEF	Third Place Award - MSEF \$75 Cash Award
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1	YALE	Yale Science & Engineering Association, Inc.	Certificate and acceptance form of award
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Abhimanyu Kommareddi with Anirudh Rajagopalan and Ajitsai Reddy, Saharsha Gade, Nishith Bandaru, Aarav Tirumali, Avi Abhyankar

Teacher	School
Ramy Kommareddi	South Arbor Charter Academy

Place	Code	Organization Name	Organization Description
1EL	ASHRAE	Americian Society of Heating, Refrigerating and Air Conditioning Engineers	Book and Certificate

2	IEEE	IEEE Southeastern Michigan Section	Frameable Certificate
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Abhinav Daram with Abraar Baig

PikRecycle

Teacher	School
Rachel Peterson	Troy Athens High School

Place	Code	Organization Name	Organization Description
1	EPA	Environmental Protection Agency	Congratulatory Letter of encouragement

CertificateName	Title	Teacher	School
Achyut Reddy	Space Heater Safety Mechanism	Andrea Williams	West Bloomfield Middle School-Abbott Campus
Place Code	Organization Name	Organization Description	
3JR ASHRAE	American Society of Heating, Refrigerating and Air Conditioning Engineers	Book and Certificate	
Adam Sun	Efficient Monocular Depth Estimation with Fully-Convolutional Neural Networks	Rami Baroodi	Detroit Country Day Upper
Place Code	Organization Name	Organization Description	
HM ASA	American Statistical Association (ASA), Michigan Chapters	Certificate of Recognition	
2	IEEE Southeastern Michigan Section	Frameable Certificate	
3	MSEF	Third Place Award - MSEF \$75 Cash Award	
1	TOYOTA Toyota R&D Innovation and Mobility	Personalized certificate, invite to a Toyota R&D Meeting, and consideration for internship at Toyota	
Adil Bahrainwala	Does Acidification of Oceans Affect Marine Life and can it be Reversed?	Marc Drougel	Detroit Country Day Upper
Place Code	Organization Name	Organization Description	
1SR GLWA	Great Lakes Water Authority	\$100 visa gift card, Custom GLWA Trophy and a Certificate.	
1-ST NOAA	United States Department of Commerce Oceans and Atmosphere	Certificate of Recognition	
1-ST SIWI	Stockholm Junior Water Prize (Stockholm)	Regional Award Certificate - Will be Emailed.	
Adrian Sanchez	How fast does an Alka-Seltzer tablet make gas?	Pamela Clark	Oakland Christian School-MS
Place Code	Organization Name	Organization Description	
1 BROAD1	Broadcom Masters Competition	Student is nominated for competition in the Broadcom Masters Competition	

CertificateName	Title	Teacher	School
Aja'na Cooper	A Safe Landfill	Sonya Brown	Nolan Elementary-Middle School
Place Code	Organization Name	Organization Description	
1 EPA	Environmental Protection Agency	Congratulatory Letter of encouragement	
Akash Raman	Pur-Cigarette Design	Stephanie Kokoszka	Cranbrook Kingswood Upper School
Place Code	Organization Name	Organization Description	
3SR ASHRAE	Americian Society of Heating, Refrigerating and Air Conditioning Engineers	Book and Certificate	
Akilesh Bharat	How Ocean Acidifacation Relates to Global Warming and How We Can Stop It.	Carolyn Mckibbin	Novi Middle School
Place Code	Organization Name	Organization Description	
1 EPA	Environmental Protection Agency	Congratulatory Letter of encouragement	
Akshar Cowlagi	Tempo to Tribo-A Novel, Efficient, Seed-Based Triboelectric Nanogenerator	Andrew Collins	Huron HS
Place Code	Organization Name	Organization Description	
2S UM-SXi	Univ of Mich Chptr of Sigma Xi	Certificate of award and cash award in the Senior Division	
Akshara Karthik with Arya Goel	Identifying How To Directly Reprogram Other Cell Types Into Fibroblast Cells	Renee Kiriazis	International Academy
Place Code	Organization Name	Organization Description	
1 INVITR	Society for In Vitro Biology	Certificate of Achievement	
4 STATE	MSEF	Fourth Place Award - MSEF \$50 Cash Award	

CertificateName	Title	Teacher	School
Akshith Pulgam	Can a Glove Stop Heart Attacks?	Steve Armstron	Pioneer HS
Place	Code	Organization Name	Organization Description
1-ST	AMS	American Meteorological Society	Certificate of outstanding achievement
3	ASEIO	American Society of Engineers of Indian Origin	Certificate
4	EMA	Environmental Management Association	Honorable mention on behalf of the Environmental Management Association (certificate only, no monetary award)
1	ISEF	ISEF	SEFMD ISEF Finalist for 2021, May 16-21, 2021
4	STATE	MSEF	Fourth Place Award - MSEF \$50 Cash Award
1S	UM-SXi	Univ of Mich Chptr of Sigma Xi	Certificate of award and cash award in Senior Division
Alayah Jones	The Effect of Pollutants on the Germination of Raphanus sativus	Sonya Brown	Nolan Elementary-Middle School
Place	Code	Organization Name	Organization Description
1	EPA	Environmental Protection Agency	Congratulatory Letter of encouragement
Alayna Gross	Diffusion Rates in Gelatin	Leslie Smith	Thurgood Marshall Middle
Place	Code	Organization Name	Organization Description
2JR	ASM	ASM - Detroit Chapter	Certificate of accomplishment and complementary admission to/recognition at chapter dinner meeting.
1	BROAD1	Broadcom Masters Competition	Student is nominated for competition in the Broadcom Masters Competition
Alexander Demattei	Effects of bacterial diet on reproductive aging in C. elegans	Jordan Krel	MSEF-Mount Pleasant High School
Place	Code	Organization Name	Organization Description
2	ASA	American Statistical Association (ASA), Michigan Chapters	\$50 Award of Merit

CertificateName	Title	Teacher	School	
1SR USNAVY	United States Navy			Letter of Congratulations, ONR Medallion, Naval Science Award Certificate, and \$50 gift card
Alexis Blue	Bioplastics: Make your own plastic	Sonya Brown	Nolan Elementary-Middle School	
Place Code	Organization Name			Organization Description
1 EPA	Environmental Protection Agency			Congratulatory Letter of encouragement
Ali Alomari	Optimizing Pandemic Related Shutdowns	John Doughert	Detroit Country Day Upper	
Place Code	Organization Name			Organization Description
HM ASA	American Statistical Association (ASA), Michigan Chapters			Certificate of Recognition
3 STATE	MSEF			Third Place Award - MSEF \$75 Cash Award
Alicia Gross	Effects of acid rain on plant growth	Thomas Walker	Thurgood Marshall ELEMENTARY	
Place Code	Organization Name			Organization Description
1 AMS	American Meteorological Society			Certificate of outstanding achievement
1 EPA	Environmental Protection Agency			Congratulatory Letter of encouragement
Amanda Xu	How Do Fruit Flies Sense Cold?	Andrew Collins	Huron HS	
Place Code	Organization Name			Organization Description
HM ASA	American Statistical Association (ASA), Michigan Chapters			Certificate of Recognition
Ameer Baig	The Effectiveness of Masks	Talath Ansari	Crescent Academy International	
Place Code	Organization Name			Organization Description
1 EPA	Environmental Protection Agency			Congratulatory Letter of encouragement

CertificateName	Title	Teacher	School
Ameer Saleh	The Effect of Temperature Elasticity of Rubber Products	Ibrahim El Shawabkeh	Universal Academy-HS
Place	Code	Organization Name	Organization Description
2SR	ASM	ASM - Detroit Chapter	Certificate of accomplishment and complementary admission to/recognition at chapter dinner meeting.
1	ASM-IN	ASM Materials Education Foundation	Award ribbon and a certificate
Amr Alhawary	Paper Airplanes. Which ones are the best? and how to find out	Talath Ansari	Crescent Academy International
Place	Code	Organization Name	Organization Description
1	USAF	United States Air Force	Congratulatory Letter and certificate
1JR	USNAVY	United States Navy	Letter of Congratulations, ONR Medallion, Naval Science Award Certificate
Angel Orozco	Copper Corrosion and Water Quality	Tracy Orti	Clippert Academy Middle School
Place	Code	Organization Name	Organization Description
1	BROAD1	Broadcom Masters Competition	Student is nominated for competition in the Broadcom Masters Competition
1JR	GLWA	Great Lakes Water Authority	\$100 visa gift card, Custom GLWA Trophy and a Certificate.
Angela Xu with Ethan Chen and Jonathan Chen	Non-contact Continuous Cardiovascular Monitoring System	Rebecca Brewer	Troy High School
Place	Code	Organization Name	Organization Description
1	ISEF	ISEF	SEFMD ISEF Finalist for 2021, May 16-21, 2021
2	STATE	MSEF	Second Place Award - MSEF \$ \$100 Cash Award
1	YALE	Yale Science & Engineering Association, Inc.	Certificate and acceptance form of award
Anita Gaenko	Using Gene Expression Data to Estimate DNA Copy Number for Cancer Cohorts	Andrew Collins	Huron HS
Place	Code	Organization Name	Organization Description

CertificateName	Title	Teacher	School	Organization Description
1SR USNAVY	United States Navy			Letter of Congratulations, ONR Medallion, Naval Science Award Certificate, and \$50 gift card

Antonio Griffin Environmental Justice within Michigan Rivers!

George Goff Henry Ford High School

Place	Code	Organization Name	Organization Description
1	NASA	NASA Earth System Science	Certificate of Recognition

1-SR	NSBE	National Society of Black Engineers	Senior Division: Certificate of recognition, \$100 stipend and NSBE Jr. Membership
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Aren Shah The Effect of Heavy Metals on Aquatic Environments

Marc Drougel Detroit Country Day Upper

Place	Code	Organization Name	Organization Description
1	EPA	Environmental Protection Agency	Congratulatory Letter of encouragement

3SR	GLWA	Great Lakes Water Authority	\$25 visa gift card, Custom GLWA Trophy and a Certificate.
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1	SIWI	Stockholm Junior Water Prize (Stockholm)	These may vary in number. Will be submitted to projects as needed to encourage folks to apply. Will be emailed.
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Ariel Williams he effects of estrogen mimics on Betta splendens (Siamese fighting) fish

Krystal Bolar Nolan Elementary-Middle School

Place	Code	Organization Name	Organization Description
1	BROAD1	Broadcom Masters Competition	Student is nominated for competition in the Broadcom Masters Competition

Armaan Mahajan Effects of Amygdalin and Vitamin E on the Regeneration of Dugesia tigrina

Matthew Miller MSEF-Saginaw Arts and Sciences

Place	Code	Organization Name	Organization Description
1	UDM	University of Detroit Mercy	\$10,000 scholarship per year for a maximum of four years undergraduate tuition at University of Detroit Mercy, renewable

CertificateName	Title	Teacher	School
Arnav Nikam	Development & Statistical validation of an Integrated Stock Trading Algorithm	Marcia Lizzio	Salem High School
Place Code	Organization Name	Organization Description	
1 ASA	American Statistical Association (ASA), Michigan Chapters	\$200 Award of Excellence	
Arvind Karthikeyan with Randy Bhattu and Sunny Challa	The Effects of Nitrogen Fixing Bacteria on Non-Leguminous Plants	Gillian VonSeege	Detroit Country Day Upper
Place Code	Organization Name	Organization Description	
1 INVITR	Society for In Vitro Biology	Certificate of Achievement	
Ashasri Daram	Why wave energy	David Egan	Larson Middle School
Place Code	Organization Name	Organization Description	
1 EPA	Environmental Protection Agency	Congratulatory Letter of encouragement	
1 NOAA	United States Department of Commerce Oceans and Atmosphere	Certificate of Recognition	
1JR USNAVY	United States Navy	Letter of Congratulations, ONR Medallion, Naval Science Award Certificate	
Ashley Cong	Gender Recognition by Voice Analysis studied by Machine Learning Models	Allwyn Cole	Cranbrook Kingswood Upper School
Place Code	Organization Name	Organization Description	
1 AWG	Association of Women GeoScientists	Awards Certificate	
Ashwin Mahendran	Automated Dental X-ray Analysis	Jonathan Jones	Dakota High School
Place Code	Organization Name	Organization Description	
HM ASA	American Statistical Association (ASA), Michigan Chapters	Certificate of Recognition	

CertificateName	Title	Teacher	School
Asim Handy	Game Theory in Baseball	Renee Zacks	Detroit Country Day Upper
Place	Code	Organization Name	Organization Description
1	USAF	United States Air Force	Congratulatory Letter and certificate
1	USMA	US Metric Association Award	Certificate
1SR	USNAVY	United States Navy	Letter of Congratulations, ONR Medallion, Naval Science Award Certificate, and \$50 gift card
Audrey Gunawan	Developing an Opioid Painkiller Alternative using the Epigenetic Correlation b	Nic Fraylick	West Bloomfield High School
Place	Code	Organization Name	Organization Description
1	ISEF	ISEF	SEFMD ISEF Finalist for 2021, May 16-21, 2021
2	STATE	MSEF	Second Place Award - MSEF \$ \$100 Cash Award
1	USAID	US Agency for International Development	Science Champion Award Certificate
1	WEIZ	American Committee for the Weizmann Institute of Science	All expense trip to attend the Weizmann Institute of Science in Rehovot, Israel virtually (due to Covid-19 pandemic)
Audrey Sirois	How To Make Bread Rise Into The Skies	Pamela Clark	Oakland Christian School-MS
Place	Code	Organization Name	Organization Description
1JR	USNAVY	United States Navy	Letter of Congratulations, ONR Medallion, Naval Science Award Certificate
Avaneesh Prasad	Impact of Social Guidelines on COVID-19 Cases Using Machine Learning Models	Stephanie Kokoszka	Cranbrook Kingswood Upper School
Place	Code	Organization Name	Organization Description
1	USAF	United States Air Force	Congratulatory Letter and certificate
Benjamin Zhang	Identification of Coronavirus Genome Lineage	Jason Zhang	Portage Central High School
Place	Code	Organization Name	Organization Description

CertificateName	Title	Teacher	School
1-ST INVITR	Society for In Vitro Biology		Certificate of Achievement

Brooklyn Garver	Fearless Fast Flyers		
	Pamela Clark	Oakland Christian School-MS	
Place Code	Organization Name		Organization Description
1JR USNAVY	United States Navy		Letter of Congratulations, ONR Medallion, Naval Science Award Certificate

Carson Goetz	What type of water will help plants grow the highest?		
	Pamela Clark	Oakland Christian School-MS	
Place Code	Organization Name		Organization Description
3JR GLWA	Great Lakes Water Authority		\$25 visa gift card, Custom GLWA Trophy and a Certificate.

Carter Combs	Caliber Bullet Challenge		
	Pamela Clark	Oakland Christian School-MS	
Place Code	Organization Name		Organization Description
1 USAF	United States Air Force		Congratulatory Letter and certificate

Catelynn Brown	Is There A Difference in Urban River Water Quality Between Michigan and Ohio R		
	Connie Atkisson	Thirkell Middle School	
Place Code	Organization Name		Organization Description
1 EPA	Environmental Protection Agency		Congratulatory Letter of encouragement

Charlie Chen	The Effects of High Eccentricity Orbits on Solar Systems		
	Patricia Hanlan	Detroit Country Day Upper	
Place Code	Organization Name		Organization Description
HM ASA	American Statistical Association (ASA), Michigan Chapters		Certificate of Recognition

Chase Blum	How do sugary drinks effect tooth enamel?		
	David Egan	Larson Middle School	
Place Code	Organization Name		Organization Description

CertificateName	Title	Teacher	School	
1JR SHPE	Society of Hispanic Professional Engineers			Certificate of Recognition & Small Gift
1 USAF	United States Air Force			Congratulatory Letter and certificate
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Cheng Chiu	Exploring theoretical uncertainties in the relativistic heavy-ion collisions			
	Stephanie Kokoszka		Cranbrook Kingswood Upper School	
Place Code	Organization Name			Organization Description
1 MUALPH	Mu Alpha Theta			Certificate of Achievement
1 USMA	US Metric Association Award			Certificate
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Christina Gross	Social Distancing in a Classroom			
	Leslie Smith		Thurgood Marshall Middle	
Place Code	Organization Name			Organization Description
1 EPA	Environmental Protection Agency			Congratulatory Letter of encouragement
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Christopher Bernitsas	Towards Development of a Fish-Symbiotic Hydrokinetic Energy Harvester			
	Patricia Hanlan		Detroit Country Day Upper	
Place Code	Organization Name			Organization Description
1 RICOH	Ricoh Corporation			Congratulatory letter to student, Certificate
2 STATE	MSEF			Second Place Award - MSEF \$ \$100 Cash Award
1-ST USNAVY	United States Navy			Letter of Congratulations, ONR Medallion, Naval Science Award Certificate, and \$75 gift card
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Daijon Love	A Mask Full of Bacteria-Oh My!			
	Tracy Kin		Pasteur Elementary	
Place Code	Organization Name			Organization Description
1 BROAD1	Broadcom Masters Competition			Student is nominated for competition in the Broadcom Masters Competition
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Damarius Cantie	See Inside Water			
	Kimberly Finle		Bates Academy	
Place Code	Organization Name			Organization Description

CertificateName	Title	Teacher	School	
1 EPA	Environmental Protection Agency			Congratulatory Letter of encouragement
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Daniel Berezovsky with Caleb Tonon and Beren Akpinar		Waterspout Prediction		
	Rami Baroodi	Detroit Country Day Upper		
Place	Code	Organization Name	Organization Description	
1	AMS	American Meteorological Society	Certificate of outstanding achievement	
1	NOAA	United States Department of Commerce Oceans and Atmosphere	Certificate of Recognition	
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Dayou Choi		Can brownies still taste good with less sugar?		
	Paige Pulsifer	Novi Middle School		
Place	Code	Organization Name	Organization Description	
1	BROAD1	Broadcom Masters Competition	Student is nominated for competition in the Broadcom Masters Competition	
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Deepti Aggarwal with Sanya Chawla		Measurement of reactive nitrogen species using automated western blot system		
	Rebecca Brewer	Troy High School		
Place	Code	Organization Name	Organization Description	
1	INVITR	Society for In Vitro Biology	Certificate of Achievement	
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Diya Ramesh		Sputum-Based mRNA-Targeting Probes in Lung Cancer - An Early Diagnostic Tool		
	Renee Kiriazis	International Academy		
Place	Code	Organization Name	Organization Description	
1	BIOMED	Regeneron BioMedical Award	Award Certificate, special recognition, and \$500 award	
1	ISEF	ISEF	SEFMD ISEF Finalist for 2021, May 16-21, 2021	
1SR	SHPE	Society of Hispanic Professional Engineers	Certificate of Recognition & Small Gift	
1	STATE	MSEF	First Place - MSEF. \$250 Cash award	

CertificateName	Title	Teacher	School
Dylan Levy	Are There Negative Changes in the Environment When A Nuclear Explosion Occurs?	Connie Atkisson	Thirkell Middle School
Place Code	Organization Name	Organization Description	
1 EPA	Environmental Protection Agency	Congratulatory Letter of encouragement	
Eashan Daram with Nirvan Daram	Which Materials Interfere With Wi-Fi Connections	Kim Osmonson	Novi Middle School
Place Code	Organization Name	Organization Description	
1 BROAD1	Broadcom Masters Competition	Student is nominated for competition in the Broadcom Masters Competition	
Ellie Douglas	Where the Rubber Meets the Road	Pamela Clark	Oakland Christian School-MS
Place Code	Organization Name	Organization Description	
1 BROAD1	Broadcom Masters Competition	Student is nominated for competition in the Broadcom Masters Competition	
1 EPA	Environmental Protection Agency	Congratulatory Letter of encouragement	
Emiliano Colin-diaz	Fuel Cells: The Future of Renewable Energy	Jeffrey Watson	International Academy-East Campus
Place Code	Organization Name	Organization Description	
1 EPA	Environmental Protection Agency	Congratulatory Letter of encouragement	
1-ST RICOH	Ricoh Corporation	Congratulatory letter to student, Certificate	
1SR SHPE	Society of Hispanic Professional Engineers	Certificate of Recognition & Small Gift	
Emma Goins	Drugs and Genetics	Dhynasah Cakir	Michigan Math and Science Academy-HS
Place Code	Organization Name	Organization Description	
1 USAF	United States Air Force	Congratulatory Letter and certificate	

CertificateName	Title	Teacher	School
Emma Kato	Emission Recognition	David Allan	MSEF-Saginaw Arts and Sciences
Place Code	Organization Name	Organization Description	
1-ST AMS	American Meteorological Society	Certificate of outstanding achievement	
1 EPA	Environmental Protection Agency	Congratulatory Letter of encouragement	
Emmanuel Hurtado-garcia	The Efficiency of Turbine Rotor Designs	Tracy Orti	Clippert Academy Middle School
Place Code	Organization Name	Organization Description	
1 BROAD1	Broadcom Masters Competition	Student is nominated for competition in the Broadcom Masters Competition	
Esha Rudagi with Shreya Kulkarni and Tanmayee Gudi	Grow That Plant	Abeer Afana	Boulan Park Middle School
Place Code	Organization Name	Organization Description	
1 EPA	Environmental Protection Agency	Congratulatory Letter of encouragement	
Evelyn Wang with Anjali Debrah	Smart Vaccine Transportation and Storage Device	Diane White	MSEF-Midland HH Dow HS
Place Code	Organization Name	Organization Description	
3 STATE	MSEF	Third Place Award - MSEF \$75 Cash Award	
Fadie Arabo	Comparison of broccoli sprouting on a sieve vs standard commercial sprouter	Jackie Toepe	International Academy-East Campus
Place Code	Organization Name	Organization Description	
1 UDM	University of Detroit Mercy	\$10,000 scholarship per year for a maximum of four years undergraduate tuition at University of Detroit Mercy, renewable	

CertificateName	Title	Teacher	School
Faliha Malik	The Battle of The Detergents	Talath Ansari	Crescent Academy International
Place Code	Organization Name	Organization Description	
1JR SHPE	Society of Hispanic Professional Engineers	Certificate of Recognition & Small Gift	
Fatema Dabaja	Pollution and Plant Growth	Jennifer Gorsline	Dearborn Center for Math, Science & Technology
Place Code	Organization Name	Organization Description	
2-SR AIRWAS	Air Waste Management Association	\$200 second place award	
1 NASA	NASA Earth System Science	Certificate of Recognition	
Gary Xu	Properties of Stellar Binaries	Rebecca Brewer	Troy High School
Place Code	Organization Name	Organization Description	
HM ASA	American Statistical Association (ASA), Michigan Chapters	Certificate of Recognition	
4 STATE	MSEF	Fourth Place Award - MSEF \$50 Cash Award	
Hamza Fateh	Marine Life's Killer	Talath Ansari	Crescent Academy International
Place Code	Organization Name	Organization Description	
1-JR AIRWAS	Air Waste Management Association	\$200 first place award	
1 EPA	Environmental Protection Agency	Congratulatory Letter of encouragement	
Hana Huseini	Catch Me if You Can!; Cats	Zehra Beg	Huda School & Montessori
Place Code	Organization Name	Organization Description	
1 BROAD1	Broadcom Masters Competition	Student is nominated for competition in the Broadcom Masters Competition	

CertificateName	Title	Teacher	School
Haneen Duais	Which Type of Potato Produces the Most Electrical Power?	Tracy Ortiz	Clippert Academy Middle School
Place Code	Organization Name	Organization Description	
1 BROAD1	Broadcom Masters Competition	Student is nominated for competition in the Broadcom Masters Competition	
Hansi Yarabarla	Virtual Voice Assistants	Megan Gasidlo	Novi Middle School
Place Code	Organization Name	Organization Description	
1 EPA	Environmental Protection Agency	Congratulatory Letter of encouragement	
Henry Yim	Cosmic Space Dome Greenhouse	Lisa Braun	Novi Middle School
Place Code	Organization Name	Organization Description	
1 BROAD1	Broadcom Masters Competition	Student is nominated for competition in the Broadcom Masters Competition	
1JR SPACEX	SpaceX	Awarded to a high quality project with application to SpaceX or aerospace more generally. Student demonstrates enthusiasm for the subject.	
Ian Park	Firefighter Drone Robot	Stephanie Kokoszka	Cranbrook Kingswood Upper School
Place Code	Organization Name	Organization Description	
2 TOYOTA	Toyota R&D Innovation and Mobility	Personalized certificate, invite to a Toyota R&D Meeting, and consideration for internship at Toyota	
Ike Wilson	Which kind of gum keeps its flavor longer: sugar-free or regular?	Kendra White	Bunche-Elementary
Place Code	Organization Name	Organization Description	
1-EL NSBE	National Society of Black Engineers	Elementary Division: Certificate of recognition, \$100 stipend and NSBE Jr. Membership	

CertificateName	Title	Teacher	School
Imani Copeland	Does hair take longer to dry when using a hair drier or when it dries naturall	Kendra White	Bunche-Elementary
Place Code	Organization Name	Organization Description	
1EL SHPE	Society of Hispanic Professional Engineers	Certificate of Recognition & Small Gift	
Imani Smith	A green infrastructure:Bioswales	Krystal Bolar	Nolan Elementary-Middle School
Place Code	Organization Name	Organization Description	
1 BROAD1	Broadcom Masters Competition	Student is nominated for competition in the Broadcom Masters Competition	
Inigo Ballaz	The length of a fulcrum	Pamela Clark	Oakland Christian School-MS
Place Code	Organization Name	Organization Description	
1 USAF	United States Air Force	Congratulatory Letter and certificate	
I'yonnie Prather	Does Watering Raphanus sativus Plants with Polluted Water Negatively Affect Th	Connie Atkisson	Thirkell Middle School
Place Code	Organization Name	Organization Description	
1 EPA	Environmental Protection Agency	Congratulatory Letter of encouragement	
James Wolf	Constructing a 3D Printer for the Fused Deposition Modeling of Solid Hydrogels	John Barnes	MSEF-Saginaw Arts and Sciences
Place Code	Organization Name	Organization Description	
3 STATE	MSEF	Third Place Award - MSEF \$75 Cash Award	
1-ST USNAVY	United States Navy	Letter of Congratulations, ONR Medallion, Naval Science Award Certificate, and \$75 gift card	
Jesus Gonzalez	Which Voltaic Pile Produces the Most Electric Current?	Tracy Orti	Clippert Academy Middle School
Place Code	Organization Name	Organization Description	

CertificateName	Title	Teacher	School	Organization Name	Organization Description
1	BROAD1	Broadcom Masters Competition			Student is nominated for competition in the Broadcom Masters Competition
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Jett Miller		Early Forest Fire Detection			
		Matthew Miller	MSEF-Saginaw Arts and Sciences		
Place	Code	Organization Name		Organization Description	
HM	ASA	American Statistical Association (ASA), Michigan Chapters		Certificate of Recognition	
1	EPA	Environmental Protection Agency		Congratulatory Letter of encouragement	
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Jibraan Rahman		Improving Our Drinking H2O - Effectiveness Of 6 Key Processes and Applications			
		Heather Duff	Canton High School		
Place	Code	Organization Name		Organization Description	
2	ASA	American Statistical Association (ASA), Michigan Chapters		\$50 Award of Merit	
3	ASEIO	American Society of Engineers of Indian Origin		Certificate	
3	EMA	Environmental Management Association		Third place scholarship award on behalf of the Environmental Management Association, certificate and an award of \$250	
1	RICOH	Ricoh Corporation		Congratulatory letter to student, Certificate	
1	SIWI	Stockholm Junior Water Prize (Stockholm)		These may vary in number. Will be submitted to projects as needed to encourage folks to apply. Will be emailed.	
1-ST	USAID	US Agency for International Development		Science Champion Award Certificate	
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Jocelyn Martinez		How Does COVID-19 Effect Mental Health?			
		Tracy Ortiz	Clippert Academy Middle School		
Place	Code	Organization Name		Organization Description	
1	BROAD1	Broadcom Masters Competition		Student is nominated for competition in the Broadcom Masters Competition	
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Jordyn Foster		Gliding Airplanes			
		Yulonda Walker	Thurgood Marshall ELEMENTARY		
Place	Code	Organization Name		Organization Description	

CertificateName	Title	Teacher	School	Organization Name	Organization Description
1 FPC		Fino Plane Co			Orientation/instructional flight down the Detroit River, over the Ambassador Bridge, and back to Pontiac
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Judy Bai	Computational prediction of COVID-19 risky genes associated with lung cancer	Yongsheng Bai	Clague MS		
Place	Code	Organization Name		Organization Description	
1	BROAD1	Broadcom Masters Competition		Student is nominated for competition in the Broadcom Masters Competition	
2J	UM-SXi	Univ of Mich Chptr of Sigma Xi		Certificate of award and cash award in the Junior Division	
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Kash'mere Williams	Tik Tik Dont Stop	Barbara Sha	A. L. Holmes Elementary-Middle School		
Place	Code	Organization Name		Organization Description	
1	BROAD1	Broadcom Masters Competition		Student is nominated for competition in the Broadcom Masters Competition	
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Keerthana Danasekaran	Analysis of the ABCB5 Stem Cell Gene as a Target for Colon Cancer Therapy	Gabriel Pak	Northville High School		
Place	Code	Organization Name		Organization Description	
1SR	USNAVY	United States Navy		Letter of Congratulations, ONR Medallion, Naval Science Award Certificate, and \$50 gift card	
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Kristin Prakash	Mind Blowing Memory	Abeer Afana	Boulan Park Middle School		
Place	Code	Organization Name		Organization Description	
1JR	USNAVY	United States Navy		Letter of Congratulations, ONR Medallion, Naval Science Award Certificate	
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Kristine Ma with Raha Zaman	Identifying a Possible Alternative Method to Diagnose ADHD through Saccades	John Dougherty	Detroit Country Day Upper		
Place	Code	Organization Name		Organization Description	
1-ST	APA	American Psychological Association		Certificate of accomplishment	
4	STATE	MSEF		Fourth Place Award - MSEF \$50 Cash Award	

CertificateName	Title	Teacher	School
1 UDM	University of Detroit Mercy		\$10,000 scholarship per year for a maximum of four years undergraduate tuition at University of Detroit Mercy, renewable

Kunwoo Kim	Impact Absorbing Facemask of Football Helmet for Head Injury Prevention	Dan Berger	Detroit Country Day Upper
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Place	Code	Organization Name	Organization Description
1	ASM-IN	ASM Materials Education Foundation	Award ribbon and a certificate

Lejana Mcknight	Mass and Solubility	Lashon Clay	Sampson-Webber Leadership Academy-Middle School
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Place	Code	Organization Name	Organization Description
1	EPA	Environmental Protection Agency	Congratulatory Letter of encouragement

Maaz Ali	Facing the Pandemic	David Egan	Larson Middle School
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Place	Code	Organization Name	Organization Description
1	BROAD1	Broadcom Masters Competition	Student is nominated for competition in the Broadcom Masters Competition

1	LEMEL	Lemelson Foundation	First Place Award
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Maha Ali	Kpop and Body Image	Jennifer Gorsline	Dearborn Center for Math, Science & Technology
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Place	Code	Organization Name	Organization Description
1	APA	American Psychological Association	Certificate of accomplishment

Mahdi Bassam	What is the Best Method for Oil Purification?	Talath Ansari	Crescent Academy International
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Place	Code	Organization Name	Organization Description
1JR	SHPE	Society of Hispanic Professional Engineers	Certificate of Recognition & Small Gift

CertificateName	Title	Teacher	School
Makayla Jenkins	Meal Time With Mother Nature	Suzanne Thebert	Michigan Math and Science Academy-HS
Place Code	Organization Name	Organization Description	
1 UDM	University of Detroit Mercy	\$10,000 scholarship per year for a maximum of four years undergraduate tuition at University of Detroit Mercy, renewable	
Malak Elayyan	Comparing the Effectiveness of Online and Virtual Learning	Jennifer Gorsline	Dearborn Center for Math, Science & Technology
Place Code	Organization Name	Organization Description	
1 APA	American Psychological Association	Certificate of accomplishment	
2 ASA	American Statistical Association (ASA), Michigan Chapters	\$50 Award of Merit	
Margaret Yang	Engineering Multi-Enzyme Whole-Cell Biocatalysts for Biofuel Production	Stephanie Kokoszka	Cranbrook Kingswood Upper School
Place Code	Organization Name	Organization Description	
HM ASA	American Statistical Association (ASA), Michigan Chapters	Certificate of Recognition	
1 EPA	Environmental Protection Agency	Congratulatory Letter of encouragement	
1-ST ISEF	ISEF	MSEF ISEF Finalist for 2021, May 16-21, 2021	
0 STATE	MSEF	Grand Award - MSEF Student is invited to participate in the Regeneron International Science & Engineering Fair, plus \$500 Cash Award	
Maria Cheriyan	Towards Affective Gaming for Post-ICU Lung Rehabilitation	Karen Lamb	Detroit Country Day Upper
Place Code	Organization Name	Organization Description	
2 STATE	MSEF	Second Place Award - MSEF \$ \$100 Cash Award	

CertificateName	Title	Teacher	School
Marissa Malleck	The Fear of Missing Out: Social Media Use in Adolescents	Duha Fahmy	Detroit Country Day Upper
Place	Code	Organization Name	Organization Description
1	APA	American Psychological Association	Certificate of accomplishment
1	USAF	United States Air Force	Congratulatory Letter and certificate
Marissa Sanders	Viscosity versus Velocity	Leslie Smith	Thurgood Marshall Middle
Place	Code	Organization Name	Organization Description
1	BROAD1	Broadcom Masters Competition	Student is nominated for competition in the Broadcom Masters Competition
Michelle Hua	Dilated Silhouette Convolutional Neural Network for Human Action Recognition	Allwyn Cole	Cranbrook Kingswood Upper School
Place	Code	Organization Name	Organization Description
1	IEEE	IEEE Southeastern Michigan Section	Frameable Certificate, \$100 cash award
1-ST	ISEF	ISEF	MSEF ISEF Finalist for 2021, May 16-21, 2021
1-ST	MUALPH	Mu Alpha Theta	Certificate of Achievement
0	STATE	MSEF	Grand Award - MSEF Student is invited to participate in the Regeneron International Science & Engineering Fair, plus \$500 Cash Award
1	USAF	United States Air Force	Congratulatory Letter and certificate
1-ST	USNAVY	United States Navy	Letter of Congratulations, ONR Medallion, Naval Science Award Certificate, and \$75 gift card
1-ST	YALE	Yale Science & Engineering Association, Inc.	Certificate and acceptance form of award
Mikul Saravanan	Smart robot to purify, humidify and disinfect the air	Stephanie Kokoszka	Cranbrook Kingswood Upper School
Place	Code	Organization Name	Organization Description
3	ASEIO	American Society of Engineers of Indian Origin	Certificate
1	IEEE	IEEE Southeastern Michigan Section	Frameable Certificate, \$100 cash award

CertificateName	Title	Teacher	School	
1	ISEF	ISEF		SEFMD ISEF Finalist for 2021, May 16-21, 2021
4	STATE	MSEF		Fourth Place Award - MSEF \$50 Cash Award
1	YALE	Yale Science & Engineering Association, Inc.		Certificate and acceptance form of award
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Mohammad Tanoli	Would you like some salt?	Baian Tbakhi	Huda School & Montessori	
Place	Code	Organization Name		Organization Description
1	BROAD1	Broadcom Masters Competition		Student is nominated for competition in the Broadcom Masters Competition
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Moiyana Bell	Which Water Will Produce the Healthiest Raphanus sativus Plants: Bottle	Connie Atkisson	Thirkell Middle School	
Place	Code	Organization Name		Organization Description
1	EPA	Environmental Protection Agency		Congratulatory Letter of encouragement
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Molly Rudnick	Is Nature Out of Control? Or Completely Normal?	Michael Bair	St Hugo of the Hills-Elementary(3-5)	
Place	Code	Organization Name		Organization Description
1	EPA	Environmental Protection Agency		Congratulatory Letter of encouragement
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Moumita Ray	Electric Fruit	Anjana Kapoor	Davison Elementary-Middle School	
Place	Code	Organization Name		Organization Description
1	EPA	Environmental Protection Agency		Congratulatory Letter of encouragement
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Muhammed Elder	Roller Coaster Project	Talath Ansari	Crescent Academy International	
Place	Code	Organization Name		Organization Description
1	USAF	United States Air Force		Congratulatory Letter and certificate

CertificateName	Title	Teacher	School
Musammat Aktar	What type of flour does wild yeast grow the best in?	Anjana Kapoor	Davison Elementary-Middle School
Place Code	Organization Name	Organization Description	
1 BROAD1	Broadcom Masters Competition	Student is nominated for competition in the Broadcom Masters Competition	

Natalie Jackson	Do Cloud Shadows Affect Surface Temperatures on Earth?	Connie Atkisson	Thirkell ELEMENTARY School
Place Code	Organization Name	Organization Description	
1 AMS	American Meteorological Society	Certificate of outstanding achievement	
1 AWG	Association of Women GeoScientists	Awards Certificate	
1 EPA	Environmental Protection Agency	Congratulatory Letter of encouragement	

Natasha Asmi	A non-invasive home monitoring test for early detection of breast cancer	Karen Lamb	Detroit Country Day Upper
Place Code	Organization Name	Organization Description	
1 ASEIO	American Society of Engineers of Indian Origin	Certificate, Book, Gift Card	

Nia Mcdaniel	Which Type of Soap Removes More Grease: Dish Soap, Hand Soap, or Shampoo?	Kendra White	Bunche-Elementary
Place Code	Organization Name	Organization Description	
1 EPA	Environmental Protection Agency	Congratulatory Letter of encouragement	

Nicholas Kalkanis	Evaluation of Raman Spectroscopy Probe in the Diagnosis of Brain Tumors	Duha Fahmy	Detroit Country Day Upper
Place Code	Organization Name	Organization Description	
1 ISEF	ISEF	SEFMD ISEF Finalist for 2021, May 16-21, 2021	
1 STATE	MSEF	First Place - MSEF. \$250 Cash award	

CertificateName	Title	Teacher	School	
Niko Williams	Road Conditions!	George Goff	Henry Ford High School	
Place	Code	Organization Name	Organization Description	
1SR	ASM	ASM - Detroit Chapter	Certificate of accomplishment and complementary admission to/recognition at chapter dinner meeting.	
1	ASM-IN	ASM Materials Education Foundation	Award ribbon and a certificate	
Owen Bailey	Portable Smoke Wind Tunnel	Andrea Williams	West Bloomfield Middle School-Abbott Campus	
Place	Code	Organization Name	Organization Description	
1	BROAD1	Broadcom Masters Competition	Student is nominated for competition in the Broadcom Masters Competition	
Persilvia Mcclendon	First Rate-Hermetically Sealed!	Tracy Kin	Pasteur Elementary	
Place	Code	Organization Name	Organization Description	
1	BROAD1	Broadcom Masters Competition	Student is nominated for competition in the Broadcom Masters Competition	
Pooja Kannappan	Investigating Differential Gene Regulation in the PBMC of Obese Adolescents	Noelle Collis	Bloomfield Hills High School	
Place	Code	Organization Name	Organization Description	
1	ISEF	ISEF	SEFMD ISEF Finalist for 2021, May 16-21, 2021	
4	STATE	MSEF	Fourth Place Award - MSEF \$50 Cash Award	
1	USAF	United States Air Force	Congratulatory Letter and certificate	
1SR	USNAVY	United States Navy	Letter of Congratulations, ONR Medallion, Naval Science Award Certificate, and \$50 gift card	
Prabhath Inturi	Water Drainage Pipe Macro Plastic Filtration Device	David Egan	Larson Middle School	
Place	Code	Organization Name	Organization Description	
1	BROAD1	Broadcom Masters Competition	Student is nominated for competition in the Broadcom Masters Competition	

CertificateName	Title	Teacher	School
1	BROAD2	Broadcom Foundation	\$250 Gift Certificate, Raspberry Pi Foundation Official RP400 Personal Computer Kit, Public recognition at Broadcom Foundation sponsored competitions and receipt of a formal certificate from Broadcom Foundation
1	EPA	Environmental Protection Agency	Congratulatory Letter of encouragement
2JR	GLWA	Great Lakes Water Authority	\$50 visa gift card, Custom GLWA Trophy and a Certificate.
1	NOAA	United States Department of Commerce Oceans and Atmosphere	Certificate of Recognition

Raghav Subramaniam with
Krish Desai

Utilizing Augmented Reality and Idiosyncratic “Chorded Keyboard” Input Methods to Develop a Ubiquitous and Cost-Efficient Live Time Transcription and Speech Synthesis Aid for Individuals with Auditory and Speech Disabilities

Patrick Griffin International Academy-East Campus

Place	Code	Organization Name	Organization Description
1	USAID	US Agency for International Development	Science Champion Award Certificate

Rishi Chowdhury

Combining Spectrums for Ideal Plant Growth

S Chowdhur Independent Student

Place	Code	Organization Name	Organization Description
1	BROAD1	Broadcom Masters Competition	Student is nominated for competition in the Broadcom Masters Competition
1	USAF	United States Air Force	Congratulatory Letter and certificate
1JR	USNAVY	United States Navy	Letter of Congratulations, ONR Medallion, Naval Science Award Certificate

Rishit Sheth with Rishab
Sheth

Which type of sanitizer affects e-coli the most

David Egan Larson Middle School

Place	Code	Organization Name	Organization Description
1	BROAD1	Broadcom Masters Competition	Student is nominated for competition in the Broadcom Masters Competition

CertificateName	Title	Teacher	School
Saanvi Mandapati with Vishwa Somani	Flatten the Curve? SCID Can Do That	David Egan	Larson Middle School
Place	Code	Organization Name	Organization Description
1	BROAD1	Broadcom Masters Competition	Student is nominated for competition in the Broadcom Masters Competition
1	EPA	Environmental Protection Agency	Congratulatory Letter of encouragement
1	USAF	United States Air Force	Congratulatory Letter and certificate
Saatvik Kristam	Antigravity Lifter	David Egan	Larson Middle School
Place	Code	Organization Name	Organization Description
1	USAF	United States Air Force	Congratulatory Letter and certificate
1JR	USNAVY	United States Navy	Letter of Congratulations, ONR Medallion, Naval Science Award Certificate
Saja Aljanaby	Sports Drinks and Athletic Performance	Jennifer Gorsline	Dearborn Center for Math, Science & Technology
Place	Code	Organization Name	Organization Description
1SR	SHPE	Society of Hispanic Professional Engineers	Certificate of Recognition & Small Gift
Samer Habbal	Thats One hot car!	Talath Ansari	Crescent Academy International
Place	Code	Organization Name	Organization Description
1JR	ASHRAE	Americian Society of Heating, Refrigerating and Air Conditioning Engineers	Book and Certificate
Sena Alenzi	The Impact of City Sounds on Urban Farms	Jennifer Gorsline	Dearborn Center for Math, Science & Technology
Place	Code	Organization Name	Organization Description
1	EMA	Environmental Management Association	First place scholarship award on behalf of the Environmental Management Association, certificate and an award of \$1,000

CertificateName	Title	Teacher	School	
1	EPA	Environmental Protection Agency		Congratulatory Letter of encouragement
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Shawniecia Tyus		Effect of climate change on the chill recovery time of Hippodamia convergens		
		Sonya Brown	Nolan Elementary-Middle School	
Place	Code	Organization Name		Organization Description
1	EPA	Environmental Protection Agency		Congratulatory Letter of encouragement
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Shiva Egan		Flashlight Fighters: Using UV Light to Kill Bacteria		
		Mahmooda Hafeez	Roeper Elementary	
Place	Code	Organization Name		Organization Description
2EL	ASHRAE	Amercian Society of Heating, Refrigerating and Air Conditioning Engineers		Book and Certificate
1	EPA	Environmental Protection Agency		Congratulatory Letter of encouragement
1EL	SHPE	Society of Hispanic Professional Engineers		Certificate of Recognition & Small Gift
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Simran Gupta		The Effects of Food Preservatives on Food Waste and Human Health		
		David Egan	Larson Middle School	
Place	Code	Organization Name		Organization Description
1	BROAD1	Broadcom Masters Competition		Student is nominated for competition in the Broadcom Masters Competition
1	USAF	United States Air Force		Congratulatory Letter and certificate
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Sneha Dinda		Mechanochemical synthesis of nanocrystalline hydroxyapatite		
		Rebecca Brewer	Troy High School	
Place	Code	Organization Name		Organization Description
3	STATE	MSEF		Third Place Award - MSEF \$75 Cash Award
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Sonnet Xu		A Machine Learning Approach to Mortality Prediction in Maintenance Hemodialysi		
		Rebecca Brewer	Troy High School	
Place	Code	Organization Name		Organization Description
2	IEEE	IEEE Southeastern Michigan Section		Frameable Certificate

CertificateName	Title	Teacher	School
Sonya Zhang	Wax Moth Polyethylene Digestion	Laura Luckins	Detroit Country Day Upper
Place Code	Organization Name	Organization Description	
1-SR AIRWAS	Air Waste Management Association	\$300 first place award	
Sophia Yatooma	Unmasking The Truth	Pamela Clark	Oakland Christian School-MS
Place Code	Organization Name	Organization Description	
1 USAF	United States Air Force	Congratulatory Letter and certificate	
1JR USNAVY	United States Navy	Letter of Congratulations, ONR Medallion, Naval Science Award Certificate	
Sriram Sivakumar	How does the slime recipe affect it's elasticity	Taylor Morgan	Novi Middle School
Place Code	Organization Name	Organization Description	
1JR ASM	ASM - Detroit Chapter	Certificate of accomplishment and complementary admission to/recognition at chapter dinner meeting.	
1 BROAD1	Broadcom Masters Competition	Student is nominated for competition in the Broadcom Masters Competition	
Tahjanaye Patterson	Which Filtration Material Leads to the Best Drinking Water?	Bridget Horton	Catherine C. Blackwell Institute-Middle School
Place Code	Organization Name	Organization Description	
1 BROAD1	Broadcom Masters Competition	Student is nominated for competition in the Broadcom Masters Competition	
1 EPA	Environmental Protection Agency	Congratulatory Letter of encouragement	
Tanay Panja	Raspberry pi based access control using machine learning and image recognition	Priyanka Meharia	Clague MS
Place Code	Organization Name	Organization Description	
1 BROAD1	Broadcom Masters Competition	Student is nominated for competition in the Broadcom Masters Competition	
1 DOD	DOD-STEM award from Society for Science	DOD STEM Leadership Prize certificate, voucher for \$100	

CertificateName	Title	Teacher	School	
1J UM-SXI	Univ of Mich Chptr of Sigma Xi			Certificate of award and cash award in the Junior Division

Tanika Deshpande Shopping Carts and Bacteria
David Egan Larson Middle School

Place	Code	Organization Name	Organization Description
1	BROAD1	Broadcom Masters Competition	Student is nominated for competition in the Broadcom Masters Competition
1	USAF	United States Air Force	Congratulatory Letter and certificate
1JR	USNAVY	United States Navy	Letter of Congratulations, ONR Medallion, Naval Science Award Certificate

Tanya Contreras MaskUp to Save Lives!
Sheryl Evans Clippert Academy Middle School

Place	Code	Organization Name	Organization Description
1	BROAD1	Broadcom Masters Competition	Student is nominated for competition in the Broadcom Masters Competition
1-JR	NSBE	National Society of Black Engineers	Junior Division: Certificate of recognition, \$100 stipend and NSBE Jr. Membership

Taqyah Ahmed Ready, Set, Grow!
Talath Ansari Crescent Academy International

Place	Code	Organization Name	Organization Description
1	EPA	Environmental Protection Agency	Congratulatory Letter of encouragement

Tatiana Blurton Effects Of Ice Crevasse Structure On Melt Rate
Jennifer Gorsline Dearborn Center for Math, Science & Technology

Place	Code	Organization Name	Organization Description
HM	ASA	American Statistical Association (ASA), Michigan Chapters	Certificate of Recognition
1-ST	AWG	Association of Women GeoScientists	Awards Certificate for MSEF
2	EMA	Environmental Management Association	Second place scholarship award on behalf of the Environmental Management Association, certificate and an award of \$500
1	EPA	Environmental Protection Agency	Congratulatory Letter of encouragement

CertificateName	Title	Teacher	School	
2SR GLWA	Great Lakes Water Authority			\$50 visa gift card, Custom GLWA Trophy and a Certificate.
1-ST NASA	NASA Earth System Science			Certificate of Recognition-MSEF
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Taylor Frasa	Ready, Set, Fizz!			
	Pamela Clark		Oakland Christian School-MS	
Place Code	Organization Name			Organization Description
1 BROAD1	Broadcom Masters Competition			Student is nominated for competition in the Broadcom Masters Competition
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Taylor Verdell	Does Solar Activity Create Space Weather that Can Impact Earth?			
	Connie Atkisson		Thirkell Middle School	
Place Code	Organization Name			Organization Description
1 AMS	American Meteorological Society			Certificate of outstanding achievement
1 AWG	Association of Women GeoScientists			Awards Certificate
1 EPA	Environmental Protection Agency			Congratulatory Letter of encouragement
<hr/>				
Terrell Stewart Jr	Edible Plants			
	Suzanne Thebert		Michigan Math and Science Academy-MS	
Place Code	Organization Name			Organization Description
1 USAF	United States Air Force			Congratulatory Letter and certificate
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Thomas Rudnick	Supermarket Sweep: Deal or No Deal?			
	Michael Bair		St. Hugo of the Hills - Junior Division(6-8)	
Place Code	Organization Name			Organization Description
1EL SHPE	Society of Hispanic Professional Engineers			Certificate of Recognition & Small Gift
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Trinity Lee	Low-Cost, Portable, Fundus Photography			
	Shernaz Minwalla		University Liggett	
Place Code	Organization Name			Organization Description
1-ST ASM-IN	ASM Materials Education Foundation			Award ribbon and a certificate

CertificateName	Title	Teacher	School	
1	BATTLE	James T Battle Memorial Award		Special certificate and cash award of \$250 from the James T Battle Scholarship Fund
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Tyler Brown		The Speed of Light		
		Lashawn Early	Ann Arbor Trail Magnet School-Middle School	
Place	Code	Organization Name		Organization Description
1	BROAD1	Broadcom Masters Competition		Student is nominated for competition in the Broadcom Masters Competition
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Veer Agarwal		Evaluating the environmental impacts of surfactants through nematodal analysis		
		Marc Drougel	Detroit Country Day Upper	
Place	Code	Organization Name		Organization Description
3-SR	AIRWAS	Air Waste Management Association		\$100 third place award
1	SIWI	Stockholm Junior Water Prize (Stockholm)		These may vary in number. Will be submitted to projects as needed to encourage folks to apply. Will be emailed.
1	USAF	United States Air Force		Congratulatory Letter and certificate
1	USMA	US Metric Association Award		Certificate
1SR	USNAVY	United States Navy		Letter of Congratulations, ONR Medallion, Naval Science Award Certificate, and \$50 gift card
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Vijval Nandigala		A Modern Cryptographic Analysis on Conway's Game of Life		
		Laura Jennings	Walled Lake Western High	
Place	Code	Organization Name		Organization Description
1	USAF	United States Air Force		Congratulatory Letter and certificate
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Vikram Goddla		A comprehensive AI solution for largescale screening of Diabetic Retinopathy		
		Karen Lamb	Detroit Country Day Upper	
Place	Code	Organization Name		Organization Description
2	ASEIO	American Society of Engineers of Indian Origin		Certificate, Book, Gift card
1	IEEE	IEEE Southeastern Michigan Section		Frameable Certificate, \$100 cash award
1	MUALPH	Mu Alpha Theta		Certificate of Achievement

CertificateName	Title	Teacher	School	
4	STATE	MSEF		Fourth Place Award - MSEF \$50 Cash Award
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Viktoria Chernolutskiy		Shall We Multitask?		
		David Egan	Larson Middle School	
Place	Code	Organization Name	Organization Description	
1	BROAD1	Broadcom Masters Competition	Student is nominated for competition in the Broadcom Masters Competition	
1	USAF	United States Air Force	Congratulatory Letter and certificate	
1JR	USNAVY	United States Navy	Letter of Congratulations, ONR Medallion, Naval Science Award Certificate	
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Vivek Santhapur		The Effect of Pesticide Infused Soil on Plant Biomass		
		Marc Drougel	Detroit Country Day Upper	
Place	Code	Organization Name	Organization Description	
1	NASA	NASA Earth System Science	Certificate of Recognition	
1	SIWI	Stockholm Junior Water Prize (Stockholm)	These may vary in number. Will be submitted to projects as needed to encourage folks to apply. Will be emailed.	
1-ST	USMA	US Metric Association Award	Certificate	
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Vivian Yee		Novel Epidemiological Approach to Exploring Implications of SDOHs on COVID-19		
		Renee Kiriazis	International Academy	
Place	Code	Organization Name	Organization Description	
1	USAID	US Agency for International Development	Science Champion Award Certificate	
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Will Montgomery		What brand of trash bag can withstand the most weight before ripping?		
		Kendra White	Bunche-Elementary	
Place	Code	Organization Name	Organization Description	
1	EPA	Environmental Protection Agency	Congratulatory Letter of encouragement	
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Zain Elder		How To Get Rust Off Of your Valuables		
		Talath Ansari	Crescent Academy International	
Place	Code	Organization Name	Organization Description	

CertificateName	Title	Teacher	School
1 EPA	Environmental Protection Agency		Congratulatory Letter of encouragement

Zainub Siddiqui	Miracle berry		
	Talath Ansari	Crescent Academy International	
Place Code	Organization Name	Organization Description	
1 USAF	United States Air Force	Congratulatory Letter and certificate	

Zeinab Zreik	Effects of Different Intermittent Fasting Regimens on Weight and Tenacity		
	Jennifer Gorsline	Dearborn Center for Math, Science & Technology	

Place Code	Organization Name	Organization Description
2 ASA	American Statistical Association (ASA), Michigan Chapters	\$50 Award of Merit

1 USAF	United States Air Force	Congratulatory Letter and certificate
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1SR USNAVY	United States Navy	Letter of Congratulations, ONR Medallion, Naval Science Award Certificate, and \$50 gift card
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Zia'area Currie	Which alternative Form of Energy is the Most Efficient Way to Power a Generato		
	Connie Atkisson	Thirkell ELEMENTARY School	

Place Code	Organization Name	Organization Description
1 EPA	Environmental Protection Agency	Congratulatory Letter of encouragement

Zijie He	Information-Directed Exploration via Distributional Deep Reinforcement Learnin		
	Stephanie Kokoszka	Cranbrook Kingswood Upper School	

Place Code	Organization Name	Organization Description
1SR USNAVY	United States Navy	Letter of Congratulations, ONR Medallion, Naval Science Award Certificate, and \$50 gift card