		Coauthor #1 (not					
Award	Level	Category	First Name	Last Name	competing)*	Coauthor #2	School
First	HS	Behavioral Science	Candace	Britt			Brevard High Shool
Second Third	HS HS	Behavioral Science Behavioral Science	Hunter Brook	Bishop Buchanan	Fritz Ruppert Grace Curry		Brevard High School Avery High Stem Academy
First	HS	Biological Science	Cullen	Duval	Emily Trusler		Brevard High School
Second	HS	Biological Science	Elisabeth	Kitchin			Avery High STEM Academy North Carolina School
Third	HS	Biological Science	Billy	Ngo			of Science and Mathematics
First	HS	Biological Science, Advanced	Rennica	Huang			East Chapel Hill High School North Carolina School
Second	HS	Biological Science, Advanced	Maanasi	Bulusu	Rachita Gowdu	(Michael Li)*	of Science and Mathematics
Third	HS	Biological Science, Advanced	Simran	Bhatia			Ardrey Kell High School
First	HS	Biotechnology	Ingrid	Findlay			Brevard High school

					Coauthor #1 (not		
Award	Level	Category	First Name	Last Name	competing)*	Coauthor #2	School
Second	HS	Biotechnology	Matthew	Bailey	John Nguyen	Nicole Rideout	Brevard High School
Third	HS	Biotechnology	Aiden	Betz	Austin Duncan	Camryn Greene	Avery High School
Tilliu	113	Biotechnology	Alueli	Detz	Austin Duncan	Carri yii Greene	Avery riight school
First	HS	Biotechnology, Advanced	Aakriti	Lakshmanan			Ardrey Kell
First	HS	Chemistry	Evan	Ayers			Avery High School
Second	HS	Chemistry	John	Driver			South Iredell High School
First	нѕ	Chemistry, Advanced	Emery	Tran			South Mecklenburg High School
Second	HS	Chemistry, Advanced	Cameron	Jackson			Knightdale Highschool
First	HS	Computer Science	Nathaniel	Hardy			Avery High School
First	HS	Computer Science, Advanced	Koushik	Sridhar			Ardrey Kell High School
First	HS	Environmental Science	Ria	Chheda			Ardrey Kell High School

		Coauthor #1 (not					
Award	Level	Category	First Name	Last Name	competing)*	Coauthor #2	School
		,			3,		
Second	μς	Environmental Science	Hannah	Lenze	Bain Brown	Carly Tabor	Brevard High School
Second	110	Liviloilileitai Science	Talliali	LCIIZC	Baill Blowii	Carry Tabor	North Carolina School
					(Emmaline	(Vanessa	of Science and
Third	HS	Environmental Science	Aarushi	Venkatakrishnan	Daggett)*	Almelor)*	Mathematics
							North Carolina School
							of Science and
First	HS	Environmental Science, Advanced	Aayush	Purohit			Mathematics
							North Carolina School
							of Science and
Second	HS	Environmental Science, Advanced	Sumani	Nunna			Mathematics
	-						
							East Chapel Hill High
The inval		Environmental Science, Advanced	Emily				,
Third	HS	Environmental Science, Advanced	Emily	Liu			School North Carolina School
							of Science and
First	HS	Mathematics	Pierre-Nicolas	Perrin	Sam Ferguson	(Abhijit Gupta)*	Mathematics
FIISL	113	Mathematics	Tierre-Nicolas	i Giriii	Jani i erguson	(Abriijit Gupta)	Mathematics
							Avery County High
Second	HS	Mathematics	Anthony	Ayers	Bryce Jaynes		School
							North Carolina School
		·	17				of Science and
First	HS	Physics	Karna	Morey			Mathematics
							Avery County High
Coocied	HS	Dhysics	Carter	Dearmin	Braxton Maya		School
Second	по	Physics	- Cai lei	Deal IIIIII	Diaxion Waya		
L							Avery County High
Third	HS	Physics	Payton	Spencer			school
							Providence High
First	HS	Physics, Advanced	Sunny	Zhang			School

		Coauthor #1 (not					
Award	Level	Category	First Name	Last Name	competing)*	Coauthor #2	School
							Stuart W. Cramer High
Second	HS	Physics, Advanced	Daniel	Klasing			School
First	HS	Technology/Engineering	Ishaan	Maitra			Ardrey Kell High School
							North Carolina School
							of Science and
Second	HS	Technology/Engineering	Emily	Wang			Mathematics
							Millennium Charter
Third	HS	Technology/Engineering	Sarah	Shepherd	Anna Gibbons		Academy
							Cuthbertson High
First	HS	Technology/Engineering, Advanced	Alice	Wu	(Melissa Kobrin)		School
	_						
		Tarker land (Faring alice Adams)	D'-	0	0		Surry Early College
Second	HS	Technology/Engineering, Advanced	Dannis	Cazarez	Courtland Hardy		High School of Design North Carolina School
							of Science and
Third	HS	Technology/Engineering, Advanced	William	Elder			Mathematics
		and the second s					
							Hanger Hall School for
First	MS	Behavioral Science	Sofia	Costanzo			Girls
		Demotrar science			Eleanor Arcaro-		Blessed Sacrament
Second	MS	Behavioral Science	Ella Kate	Porfillio	Burbridge	Sarah Palmer	School
Second	- 1010	Demovioral Science					3611001
Third	MS	Behavioral Science	Roma	Benfield			Avery Middle School
		Delia i i ora i		23111014			, trei y itilidale scribbi
First	MS	Biological Science	Esha	Shah			Mount Mourne
11130	-	Diological deletice					THOUSE WOUTH
Second	MS	Biological Science	Nilay	Ghodasara			Mills Park Middle

	Coauthor #1 (not					
Level	Category	First Name	Last Name	competing)*	Coauthor #2	School
						Millennium Charter
MS	Biological Science	Cheyenne	Rogers			Academy
						Metrolina Regional
MS	Biological Science, Advanced	Hrishika	Roychoudhury			Scholars Academy
						Metrolina Regional
MS	Biological Science, Advanced	Prabuddha	Dastidar			Scholars Academy
MS	Biotechnology	Sam	Nixon			Blowing Rock School
MS	Piotochnology	loshua	Vincent			Scholars Academy
IVIS	biotecinology	Josiida	VIIICEIIL			Scholars Academy
			II I			
MS	Chemistry	Isabella	Hardy			Gryphon Academy
MS	Chemistry	Benjamin	Jordan			Avery Middle
	Gireninga, y					Millennium Charter
MS	Chemistry	Daniel	Shinault			Academy
						Cary Classical Arts &
MS	Computer Science	Garrison	Lamb			Sciences Academy
			11-			Mills Park Middle
MS	Computer Science	Apoorva	Josni			School
						Metrolina Regional
MS	Environmental Science	Vedant	Chanshetty			Scholars Academy
MS	Environmental Science	Kiera	Hawkins			Liberty Middle
						Mills Park Middle
MS	Environmental Science	Aneesh	Gottimukkala			School
	Livi dillicital delettee					3011301
						Metrolina Regional
MS	Environmental Science, Advanced	Shrika	Renganathan			Scholars Academy
	MS M	MS Biological Science MS Biological Science, Advanced MS Biological Science, Advanced MS Biotechnology MS Biotechnology MS Chemistry MS Chemistry MS Chemistry MS Computer Science MS Environmental Science MS Environmental Science MS Environmental Science	MS Biological Science Cheyenne MS Biological Science, Advanced Hrishika MS Biological Science, Advanced Prabuddha MS Biotechnology Sam MS Biotechnology Joshua MS Chemistry Isabella MS Chemistry Benjamin MS Chemistry Daniel MS Computer Science Garrison MS Computer Science Vedant MS Environmental Science Kiera MS Environmental Science Aneesh	MS Biological Science Cheyenne Rogers MS Biological Science, Advanced Hrishika Roychoudhury MS Biological Science, Advanced Prabuddha Dastidar MS Biotechnology Sam Nixon MS Biotechnology Joshua Vincent MS Chemistry Isabella Hardy MS Chemistry Benjamin Jordan MS Chemistry Daniel Shinault MS Computer Science Garrison Lamb MS Computer Science Vedant Chanshetty MS Environmental Science Kiera Hawkins MS Environmental Science Aneesh Gottimukkala	Level Category First Name Last Name competing)* MS Biological Science Cheyenne Rogers MS Biological Science, Advanced Hrishika Roychoudhury MS Biological Science, Advanced Prabuddha Dastidar MS Biotechnology Sam Nixon MS Biotechnology Joshua Vincent MS Chemistry Benjamin Jordan MS Chemistry Benjamin Jordan MS Chemistry Daniel Shinault MS Computer Science Garrison Lamb MS Computer Science Apoorva Joshi MS Environmental Science Kiera Hawkins MS Environmental Science Aneesh Gottimukkala	Level Category First Name Last Name competing)* Coauthor #2 MS Biological Science Cheyenne Rogers MS Biological Science, Advanced Hrishika Roychoudhury MS Biological Science, Advanced Prabuddha Dastidar MS Biotechnology Sam Nixon MS Biotechnology Joshua Vincent MS Chemistry Benjamin Jordan MS Chemistry Benjamin Jordan MS Chemistry Daniel Shinault MS Computer Science Garrison Lamb MS Computer Science Apoorva Joshi MS Environmental Science Kiera Hawkins MS Environmental Science Aneesh Gottimukkala

Award	Level	Category	First Name	Last Name	Coauthor #1 (not competing)*	Coauthor #2	School
		,			7 - 7 - 37		Metrolina Regional
Second	MS	Environmental Science, Advanced	Anushka	Kulkarni			Scholars Academy
First	MS	Mathematics	Hayleigh	Nunes	Iris Westerman		Blowing Rock School
							Blowing Rock
Second	MS	Mathematics	Micah	Duvall			Elementary School
Third	MS	Mathematics	Akshar	Patel			J.N. Fries Middle school
F	140	DI. die	Thomas	Labraca			Die des Deel Calend
First	MS	Physics	Thomas	Lehman			Blowing Rock School
Second	MS	Physics	Allie	Lindecamp			Avery Middle
							Millennium Charter
Third	MS	Physics	David	Shinault			Academy
First	MS	Technology/Engineering	Alana	Driver			Mount Mourne School
							Lowe's Grove Middle
Second	MS	Technology/Engineering	Fredrick	Wright- Boone			School
							Mills Park Middle
Third	MS	Technology/Engineering	Sesha	Jonnavithula	Rishabh Manoj		School
							North Carolina School
							of Science and
First	Special	BioGeneius	Sumani	Nunna			Mathematics
First	Special	Charles Lytle Scholarship	Matthew	Bailey			Brevard High School
							North Carolina School
							of Science and
First	Special	High School Teacher Award	Michael	Bruno			Mathematics
							Lowes Grove Middle
First	Special	Middle School Teacher Award	Danyka	Davis			School

Award	Level	Category	Project Name
			The Effects of Music on Working
First	HS	Behavioral Science	Memory in High School Students
	-		
			Novel method for determining Culex
			quinquefasciatus behavioral response
Second	HS	Behavioral Science	to acoustic stimuli utilizin
			How Do Word Fonts Affect Reading
Third	HS	Behavioral Science	Ability?
			Isolation of Entomopathogenic Fungi
			From Mosquito Larvae and
			Evaluation of Potential for Mosquito
First	HS	Biological Science	Co
			Quantitative Analysis of the Effects of
			Agricultural Absorption Rates on
Second	HS	Biological Science	Greenhouse Gas Pollutants
			Antimicrobial efficacy of bacterial
			peptide microcins compared to
Third	HS	Biological Science	antibiotic nitrofurantoin
			The Effects of Rhamnolipids on the
First	HS	Biological Science, Advanced	Bactericidal Activities of Antibiotics
			tbsP Suppression of trmB in
Second	HS	Biological Science, Advanced	Haloferax volcanii
Second	113	biological Science, Advanced	Haloferax voicailli
			The Effect Of Traumatic Brain Injuries
			On The Development Of Chronic
Third	HS	Biological Science, Advanced	Traumatic Encephalopathy
			Evaluation of Fermented Beverages
			Produced by Yeast Isolated from Bee
First	HS	Biotechnology	Bread
50		Bioteciniology	5.000

Award	Level	Category	Project Name
Second	HS	Biotechnology	Antimicrobial Activity of Endophytes Isolated from Transylvania County Spray Cliff Plants
Third	HS	Biotechnology	The New Renewable Energy: Viability of full scale Microbial Fuel Cells from NH3 found in Siluriforme Dung for Household Energy Use
First	HS	Biotechnology, Advanced	A Study on the Coagulating Properties of the M. OLEIFERA Seed
First	HS	Chemistry	The flammibility of cotton balls after the application of various substances
Second	HS	Chemistry	Electrolysis of Water Synthesis of Silver(I) Complexes with
First	HS	Chemistry, Advanced	Xylyl-Substituted Heterocyclic Chalcogenones
Second First	HS HS	Chemistry, Advanced Computer Science	Covalently Linking Chromophores for Synergistic Effect ModLight
		·	AzureVoice-A Novel Approach for the Early Detection of Parkinson's
First	HS	Computer Science, Advanced	Understanding the Gulf of Mexico Dead Zone Crisis by Using Differential
First	HS	Environmental Science	Equations to Model the

Aand	Laval	2-1	Due is at Name
Award	Level	Category	Project Name Isolation and Identification of
			Entomopathogenic Fungi in
Second	HS	Environmental Science	
Second	ПО	Environmental Science	Transylvania County
			The Effect of Call Engage
-1 · 1		E. t	The Effect of Soil Exposure on
Third	HS	Environmental Science	Decomposition Analyzing BTEX Compound Diffusion
			Through a PDMS Membrane for
First	HS	Environmental Science, Advanced	Environmental Contaminant
FIISL	ПО	Livilorimental Science, Advanced	Environmental Contaminant
			Ontimizing mathewal hand recovery
C		Environmental Science Advanced	Optimizing methoxyphenol recovery
Second	HS	Environmental Science, Advanced	in lignocellulosic biofuel products
			Evaluating the Greenhouse Gas and
			Air Pollutant Emission Implications of
Third	HS	Environmental Science, Advanced	Alternative Fuel Vehicles
			A Combinatorial Analysis of a Top
First	HS	Mathematics	Entails Variant
11130	110	Wathematics	Multirotor Velocity: Calculating the
			Most Efficient Method of Multirotor
Second	HS	Mathematics	Propulsion in a M.S.E.
Second	ПО	Mathematics	Time domain calculations of scalar
			radiation from an orbiting point charge
First	HS	Physics	in Schwarzschild spacetim
	-	,	·
			Smart Air Using Convection Currents
Second	HS	Physics	to Heat and Cool More Efficiently
Third	HS	Physics	How high to place a tee?
			A novel method for determining solar
			cell series resistance from light I-V
First	HS	Physics, Advanced	characteristic

Award	Level	Category	Project Name
Awara	LOVOI	Julia	Fusion reactions in Low Wattage
			Intertial Electrostatic Confinement
Second	HS	Physics, Advanced	Devices
			Facial Expression Analysis &
			Behavioral Cues Detection for ADHD
First	HS	Technology/Engineering	patients based on Dynamic Deep
			Establishing Acoustic Signature for
			Situational Awareness and Safer
Second	HS	Technology/Engineering	Senior Living
	•		
Third	HS	Technology/Engineering	In Bracing Ankles
			FERB: Fire Extinguishing and
First	HS	Technology/Engineering, Advanced	Reconnaissance Bot
			Reducing Emergency Response
			Times Using an Infrared Traffic and
Second	HS	Technology/Engineering, Advanced	Pedestrian Warning System
			Modifying the Surface Properties of Liquid Metal EGaln with Phosphonic
Third	HS	Technology/Engineering, Advanced	Acids
			Not Your Opinion: Experts' Influence
First	MS	Behavioral Science	on the Public's Opinion
		20.00.00.00.00.00	
Second	MS	Behavioral Science	Does Eye Color Affect Attractiveness?
-			
Third	MS	Behavioral Science	Do White Noises Affect your Sleep?
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
			Smell and the Degenerating Brain;
First	MS	Biological Science	Alzheimer's vs. Parkinson's
		Ü	Baby Alert! How Much Bacteria Is
Second	MS	Biological Science	Your Child Consuming?

Award	Level	Category	Project Name
Awaru	Levei	Category	Project Name
Third	MS	Biological Science	Why pay the difference, if you can't feel the difference? Herbal Treatment of Diabetes-
First	MS	Biological Science, Advanced	AlphaAmylase Inhibitory Activity of
		,	Determining if Alpha-Tocopherol
Second	MS	Biological Science, Advanced	Should be Administered to Cancer
First	MS	Biotechnology	Sunscreens: Lotion vs. Spray
Second	MS	Biotechnology	use bioinformatics to bioengineer a
			Polish Power: Testing Nail Polish
First	MS	Chemistry	Durability
Second	MS	Chemistry	Finding the most efficient fuel for heating water using an alcohol lamp
		,	
Third	MS	Chemistry	Mummifying Hot Dogs
			Scorching The Maze Runner
First	MS	Computer Science	Trials:Computational Science Analysis
Second	MS	Computer Science	How secure are your passwords ?
			Harnessing The Power of Nature
First	MS	Environmental Science	Using Microbial Fuel Cells
Second	MS	Environmental Science	Eco-Cooling Bottles
			-
Third	MS	Environmental Science	The Plant and the Battery
111110	1010	Livii diiii ciital delenee	Nanoparticle Pollution: The Effect of
			Titanium Dioxide Nanoparticles on
First	MS	Environmental Science, Advanced	the Growth of Escherichia Co

Award	Level	Category	Project Name
		F A. I A. I I	Enzymatic Hydrolysis of Cellulose and
Second	MS	Environmental Science, Advanced	Production of Cellulosic Ethanol What is the Potential of Solar Panels
First	MS	Mathematics	on Blowing Rock School's Roof?
11131	IVIO	iviatileiliatics	Does the pH Level of Drinking Water
Second	MS	Mathematics	Affect the Growth of a Radish Plant
Third	MS	Mathematics	Ahead of the Hurricane
	-		Treat Treating Carbon, Tool, and
Cinct.	MC	Dhysics	Stainless Steels by Oil Quench and Air Cool to Increase Hardness of
First	MS	Physics	All Cool to Increase Hardness of
Second	MS	Physics	Heat vs Food
	-		
Third	MS	Physics	Pendulum and Air Flow
First	MS	Technology/Engineering	Cool Magnets
Second	MS	Technology/Engineering	The Lasting Scent
Third	MS	Technology/Engineering	Balloon Powered Car
		<i>5,,</i> 5	
First	Special	BioGeneius	
First	Special	Charles Lytle Scholarship	
First	Special	High School Teacher Award	
First	Special	Middle School Teacher Award	