

First Name	Last Name	Project Number	Project Title
Mikaela	Dassanaik-Perera	JBC100	Anyone need fresh cilantro?
Cecilia	Harshman	JBC101	The Effect of Natural Vs. Chemical Cleaners on E. coli Inhibition
Austin	English	JBC102	What Liquids Stain Teeth the Most?
Madeleine	Fox	JBC103	What is the Most Durable Alternative for Paper?
Rebekah	Marshall	JBC104	Salt Race
Eva	Nealen	JBC105	Fabric Dunk Tank
Evan	Hoover	JBC106	Crispy Potatoes
Anthony	Cardosi	JBC107	Are Dimples really Simple?
Garrett	King	JBC108	Which Toothpaste Is Most Effective at Removing Stains?
John	Kerin	JBC109	Which Lead Can Last?
Bailey	Pendleton	JBC110	Keeping it Clean
Meadow	Leonard	JBC111	Crystal Clean
Gracie	Sommer	JBC112	The Most Effective Way to Remove Bacteria from Produce
Connor	McDaniel	JBC113	Battery versus Gas Lawn Mower. Which is best?
Jonathan	Warywoda	JBC114	What color paper fades the quickest?
Tyler	Robinson	JBC115	Battle of the Highlighters
Garrett	Meade	JBC116	Paper vs. Plastic
Maayan	Beharier	JBC117	The impact of stress and thoughts on our performance.
Claire	Gerencir	JBC118	How does different types of flour effect the thickness of brownies?
Josh	Garfinkel	JBC119	Apple Preservation
Daniel	Haller	JBC120	Preservation Methods for Carving Pumpkins
Jax	Vovaris	JBC121	Science Project
Madison	Visk	JBC122	What oil will cause petrochemicals to break down the fastest?
Kate	Giannetta	JBC123	Which liquid stains teeth the most?
Lindsey	Larkin	JBC124	Which Toilet Paper Is The Strongest?
Mckenzie	Page	JBC125	Temperature
Bridget	Burke	JBC300	Illusion Confusion
Madeline	Meeuf	JBC300	Illusion Confusion
Olivia	Davidson	JBC301	Childproof Containers
Faith	Scott	JBC301	Childproof Containers
Hannah	Thear	JBC302	Who Has What it Takes
Samantha	Waschak	JBC302	Who Has What it Takes

First Name	Last Name	Project Number	Project Title
Elizabeth	Hoge	JBC303	Let's get Chippy
Mackenzie	Reeves	JBC303	Let's get Chippy
Maria	Ziemkiewicz	JBC303	Let's get Chippy
Jacob	Kovell	JB1100	Soil; Soil; SOIL!
Aiden	Gilbert	JB1101	How Different Lights Effect Plants
Emma	Vedro	JB1102	Oil spills and wildlife
Sara	Gornick	JB1103	Let is Grow
Pavana	Bhat	JB1104	The Effect of Genetically Modified Foods on Slime Mold Growth
Ciaran	Corrigan	JB1105	Is the Kastle-Meyer Blood Test Reliable?
Fletcher	McMorrow	JB1106	Which Bait Is Best for a Homemade Fly Trap?
Laurel	Peters	JB1107	Breakfast Compost
Robert	Macurak	JB1108	This is your Brain on Exercise
Caitlin	Concannon	JB1109	Beyond the Mold
Bodi	Rieger	JB1110	The Effect of Temperature on an Athlete's Performance?
William	Thurman	JB1111	Enamel vs. Sugary Drinks
Juan Pablo	Garcia Casab	JB1112	Think Before You Drink
Ethan	Falce	JB1113	Ready; Set; Grow
Jeffrey	Sommers	JB1114	The Dark Side of Blue Light
Nolan	Kehoe	JB1115	I'm Pumped Up
Gabe	Karloski	JB1116	Let It Grow
Danny	Matusz	JB1117	The Mold & the Beautiful
Julius	Dresser	JB1118	Does bleach added to antibacterial soap kill more bacteria?
Joanna	Li	JB1119	Yogurt Fermentation
Melong	Gordon	JB1120	The Effects of Caffeine on Our Bodies
Madison	Coley	JB1121	Flocculation
Joseph	Margiotta	JB1122	Does Watering a Cactus with Different Liquid Change Its Form?
Milana	Greg	JB1123	The effect extracted bismuth has on plant growth
Roni	Pishoto	JB1124	The Effect of Technology Use on the Vision of Children
Mia	Dzurenda	JB1125	How Green Is Your Ink?
Alessandro	Rambaldi	JB1126	Energy From Garbage: How To Produce Biogas
Lucy	Basso	JB1127	How Does Caffeine affect Plant Growth

First Name	Last Name	Project Number	Project Title
Abby	Friedman	JBI300	Which category of compostable substance will break down the fastest- fruits; vegetables; or %u201Cother%u201D biodegradable items ?
Sima	Reinherz	JBI300	Which category of compostable substance will break down the fastest- fruits; vegetables; or %u201Cother%u201D biodegradable items ?
Kristina	Hopkins	JBI301	Spread the Soap; Not the Germs
JayNahzia	Patterson	JBI301	Spread the Soap; Not the Germs
Journee	kinsel-McLain	JBI302	Inherited Fingerprints
Heavenly	Thompson	JBI302	Inherited Fingerprints
Katie	McCullough	JCH100	Transforming yogurt into ravioli""
Tessa	Garris	JCH101	Rethink your drink
Abigail	Robinson	JCH102	What stains teeth?
Lily	Cornman	JCH103	Crystal Creativity
Addison	Todd	JCH104	How to turn milk into plastic
Griffin	Burns	JCH105	Dissolved; Just Like That!
William	Kontul	JCH106	Lighting the Way
Matthew	Harskowitch	JCH107	Melting Chocolate
Anna	Dlugos	JCH108	The Purest of Them All!
Hamari	Pope	JCH109	Elephant Toothpaste
Joseph	Maleski	JCH110	Dropping into the Oblivion
Mariah	Johnston	JCH111	The Melting Ice
Chapin	Nienhuis	JCH112	The effect of food processes on the amount of vitamin C in yellow
Gracie	Peatross	JCH113	Cookie Mutants
Delana	Duncan	JCH114	Onion Tears
Madeline	Half	JCH115	The Effect of Acidic And Basic Liquids On Lead
Rotem	Amram	JCH116	Testing Which Beverage Melts Ice Fastest
Samuel	Hurkmans	JCH117	How Can Acid Rain Water Make Rocks Disappear?
Nahayo	Clavel	JCH118	The X-plosion
Addison	Bell	JCH119	Is black ink really black?
Jaden	Antolik-Pugliano	JCH120	What happens if you mix different types of sodas with Pepsi and put a Mento
Joel	Olshanski	JCH121	How Clean is Your Water?
Nia-Simone	Dupree	JCH300	Solids flow like Liquids
Josie	William	JCH300	Solids flow like Liquids

First Name	Last Name	Project Number	Project Title
JahNae	McGee	JCH301	Slime Chemistry
Karee	Washington	JCH301	Slime Chemistry
Nevaeh	Watson	JCH301	Slime Chemistry
Ronkala	Wilcher	JCH301	Slime Chemistry
Ryan	Flaherty	JPE100	Does Temperature Impact Battery Voltage Output?
Antony	flitcraft	JPE101	How Far Will it Go?
Knowledgeborn	Price	JPE102	The car
Shawn	McCullough	JPE103	A Battery That Makes Cents
Melissa	Dewhirst	JPE104	A Pendulm of A Softball
Nicholas	Persuitte	JPE105	Amazing Airplanes
Deanna	Delon	JPE106	What materials can catch a bubble?
Riley	Biggins	JPE107	How much baking soda
Isaac	Bennett	JPE108	Turftastic
Lila	Deinhammer	JPE109	How Far Can Sports Balls Travel?
Harrison	McMorrow	JPE110	Kelvin's Thunderstorm
Angelo	Amelio	JPE111	What Propeller Shape is Most Efficient for Boat Travel?
Brennan	Borbonus	JPE112	Don't Break Your Pencils
Cheyenne	Smith	JPE113	The Science of Tie-Dye
Madelyn	Longo	JPE114	Heavy Hitters
Julia	Urbaniak	JPE115	Humpty Dumpty
Bryce	Nowicki	JPE116	How Efficient is Solar Energy in Heating Water?
Joey	Obara	JPE117	Break that Bridge
Logan	Hindmarch	JPE118	Batteries Zap Back
Aditya	Chaparala	JPE119	Interactive Rover
Matthew	Noll	JPE120	How Much Electricity does different vegetables; fruits; and plants give off?
Catie	Erfort	JPE121	Can vegetables charge a phone?
Rin	Suyama	JPE122	Reducing the carbon footprint of a household through refuse intervention
Maryam	Kashif	JPE123	RoboSmart Feeder
Hamza	Memon	JPE124	3D Printing Brushless Hub Motor Parts for Electric Vehicles
Alexandra	Sciullo	JPE125	Impact Craters
Sritej	Padmanabhan	JPE126	Trash Bot
Evan	Xiang	JPE127	Mousetrap Car Design

First Name	Last Name	Project Number	Project Title
Graham	Colaresi	JPE128	Using computation to defeat a common household problem: Matching socks with Python3
Jack	Lehman	JPE129	The Impact of Greenhouse gases on the Efficiency of a Solar Thermal Water
Akiva	Sunshine	JPE130	How does the elasticity of rubber change with temperature?
Faith	Cheek	JPE131	A Homemade Air Conditioner
Torrence	Edwards	JPE132	Why Does The Moon Affect The Tides?
Riley	Golden	JPE133	The Effect of Temperature on the Elasticity of Rubber Bands
Maya	Gelman	JPE134	Testing bicycle braking methods to minimize brake overheating
Jeremiah	Wunderley	JPE135	Affecting Domino Effect
Jacob	Tuite	JPE136	Earthquakes and Foundation Materials
Ben	Hunt	JPE137	The Effect Of Price Point on the Longevity of Batteries
Jacob	Hurkmans	JPE138	Can Growing Plants Slow Soil Erosion
Maren	Crowley	JPE139	How Agitation Affects Composting
Lily	Kugler	JPE140	Particle Accelerator
Gavin	Watson	JPE141	How does the air pressure of a soccer ball affect the distance it travels when
Bryce	Regan	JPE142	Which paper airplane design flies the farthest?
Marley	Batchelor	JPE143	7 Liquid Stack
Kati	Hutchison	JPE144	Which object will be magnetized the most?
Max	Larkin	JPE145	How do you make a magnet?
Addison	Thomas	JPE146	Will a Ping Pong Ball Bounce Higher or Lower with a Hole In It?
Kaleb	Bodily	JPE300	Strong Rocks: Comparing Commercial and Natural Rock Sealants
Carter	Martin	JPE300	Strong Rocks: Comparing Commercial and Natural Rock Sealants
Owen	Mckernan	JPE301	Sunsational Solar Engineers
Alexander	Weber	JPE301	Sunsational Solar Engineers
Athena	Gilmore	JPE302	Balloon Car
Ellyana	Prentice	JPE302	Balloon Car
Jaison	Johnson	JPE303	Scratch Video
Amare	Simmons	JPE303	Scratch Video
Henry	Budzak	JPE304	WiFi Thieves
Lily	Carpenter	JPE304	WiFi Thieves
Jordin	Pritchard	JPE304	WiFi Thieves
Lana	Holcomb	JPE305	Corn or Rice

First Name	Last Name	Project Number	Project Title
Daisy	Reinders	JPE305	Corn or Rice
Rayne	Wagner	JPE305	Corn or Rice
James	Orlando	MBI100	Will Magnets Make Plants Grow Taller?
Marli	Hacker	MBI101	The Effect of Temperature on Rate of Cricket Chirps
Beatrice	Boselli	MBI102	Nonorganic vs. Organic Fertilizer: Why it Matters to Our Aquatic Ecosystem
Sophia	Gombos	MBI103	Removing Bacteria on Cell Phones
Morgan	Connor	MBI104	To Feed or Not To Feed
Nirvan	Harrell	MBI105	Can Food Make You Faster?: The Effect of Spices on Daphnia Heart Rate
Erin	Schaeffer	MBI106	Are Cat Paw Prints Unique?
Emily	Funka	MBI107	A Plant's Favorite Drink
Marco	Perri	MBI108	Sleepless" Nights"
Haley	Glitsky	MBI109	Muscles Clean Water
Julia	Chrobak	MBI110	The Diets of the Red Wigglers and How They Effect Them
Raul	Munoz	MBI111	Light Exposure vs. Spoil Rate of Milk
Charlie	Hannon	MBI112	How does adding nitrogen fixing bacteria affect plant growth?
Liam	Cooke	MBI113	Whats in Your Water?
Claire	Miedel	MBI114	Testing the Relationship Between Diet and Exercise
Ashlynn	Johnson	MBI115	A Mother's Meow
Lauren	Osth	MBI116	Does eye color affect peripheral vision?
Nathaniel	Saltsgiver	MBI117	How UV Radiation Affects Daphnia
Grace	Windfelder	MBI118	The Effect of Magnets on Plants
Shaun	Fernando	MBI119	The Effects of Carbon Dioxide on Microbial Survivorship
Rohit	Velankar	MBI120	Is This Milk Safe to Drink?
Murugan	Ayyanar	MBI121	The Effects of Rising Ambient Temperatures on Leaves
Aneri	Shethji	MBI122	The Inhibitory Benefits Of Turmeric with Trimethoprim/Sulfamethoxazole on E.
Joanie	Zilaitis	MBI123	How does colored light effect plant growth?
Tyler	Collins	MBI124	The 5-Second Rule
David	Thomas	MBI125	Effects of Vapes and Cigarettes on the regeneration of planaria
John Paul	Andreola	MBI126	Orange Cat Personalities
Josephine	Einloth	MBI127	How a change of soil affects a purple bean plant
Avery	Edmonds	MBI128	Are dandelions able to inhibit bacterial growth?
Geri	Pollak	MBI129	Under what color light do plants grow tallest?

First Name	Last Name	Project Number	Project Title
Aurea	Hickenboth	MBI130	Effect of Insulation on the Temperature of Overwintering Honeybee Hives
Izieme	Ipala	MBI131	Wooly Mammoth Relative
Vincere	McKee	MBI132	Color and Taste
Naeem	Ward	MBI133	Bird's Lifestyle
Donye	Sisco	MBI134	Autoimmune Disease
Evie	Passero	MBI135	The Effects of Homemade Pesticides on Cherry Tomato Growth
Anthony	Mejalli	MBI136	Smart Plants?
Justin	Parsons	MBI137	Which brand of soil grows the tallest plant after 3 weeks
Mary	Gotaskie	MBI138	What preserves a flower the longest?
Shahrzad	O'Connor	MBI139	Does Coffee Affect Plant Growth?
Jessica	Le	MBI140	Plant Growth
Stella	Hays	MBI141	Can you separate flower DNA with the 'Gel Electrophoresis' Method?
Camden	Mawhinney	MBI142	Best Compost For Pea Plants
Mackenzie	Queen	MBI143	How Music Lowers Your Heart Rate
Sofia	Kilzer	MBI144	Microbial Fuel Cells
Michael	Greiser	MBI300	The Effect of Pthalates on C. elegans Heart Rate and Activity
Cody	Stebbins	MBI300	The Effect of Pthalates on C. elegans Heart Rate and Activity
Isaac	Warren	MBI300	The Effect of Pthalates on C. elegans Heart Rate and Activity
Renuka	Kota	MBI301	Elodea
Harini	Sakthivel	MBI301	Elodea
Samantha	Guess	MBI302	Oh Honey!
Christian	Witterman	MBI302	Oh Honey!
Avi	Becker	MBI303	How does using Oleic acid as pesticide affect the Harvester ant?
Nathan	Itskowitz	MBI303	How does using Oleic acid as pesticide affect the Harvester ant?
Dov	Smith	MBI303	How does using Oleic acid as pesticide affect the Harvester ant?
Annika	Davis	MBI304	Comparative Plant Growth - Watering with Tap Water vs. Filtered Water
Danika	Warren	MBI304	Comparative Plant Growth - Watering with Tap Water vs. Filtered Water
Zachary	Kladny	MBS100	The Effect of Personality Type on the Occurrence of Chromesthesia
Alaina	Whitlinger	MBS101	The Effect of Gender on Pixel Shade Determination
JJ	Nicolls	MBS102	The Effect of Eye Color on Light Perception
Rachel	Hartman	MBS103	The Effect of Storytelling on Memory Retention
Bridget	Waterhouse	MBS104	Meowster Maze

First Name	Last Name	Project Number	Project Title
Lakshanya	Rajaganapathi	MBS105	Do We Rely on Visual or Auditory Memory?
Mia	Orrico	MBS106	Does Creative Thinking Decrease with Age?
Justin	Kontul	MBS107	What Test is Best?
Zachary	Kovell	MBS108	The Effect of Video Games On the Body
Derek	Fairman	MBS109	Anole Nocturnal Hunting
Henry	Krauss	MBS110	Fire Alarms: Now you hear me; now you don't
Lilly	Kwiecewski	MBS111	Does being exposed to laughter make you laugh?
Anastasia	Davis	MBS112	Musical Memories
Michael	Jellison	MBS113	Sleep Soundly
Bella	Speirs	MBS114	Bouba Kiki Effect
Jordan	Quatchak	MBS115	Musical Madness
Michael	Chaer	MBS116	Do stereotypical gender based items affect memory within that gender?
Nora	Faraci	MBS117	Does upbeat music increase basketball shot accuracy.
Katelyn	Hemphill	MBS118	The Effect of Musical Training on Pitch Identification
Luke	Hartman	MBS119	Working for a good night of sleep--relationship between exercise and sleep
Lily	Karsman	MBS120	Does Cardiovascular Exercise Improve Memory?
Jillian	Korpar	MBS121	Music to my Ears
Lily	Montore	MBS122	Colorful Memory!
Jennifer	Novak	MBS123	I Flunked. Why Should I Care?
Lydia	Reith	MBS124	Real Life That Captures your heart
Grace	Myers	MBS125	Does Enjoyment Equal Success? A study in the correlation between enjoyment and grades
Mary	Maloney	MBS126	Which Type of Memorizing Strategy Is the Best?
Gaby	Winston	MBS127	Which gender is better at solving optical illusions?
Ena	Lopez	MBS128	How Weather Affects Humans
Abby	Spalvieri	MBS129	Social Media Type : Real or Hype
Abigail	Mourey	MBS130	The Effect of Aromatherapy on Test Anxiety
Cecilia	Wagner	MBS131	What type of memory do you have?
Charles	Lavrinc	MBS132	A Closer Look At The Stroop Effect
Francesco	Porco	MBS133	Children Language Shows...Do They Really Work?
Jayla	Olson	MBS134	Gut Genius
Vivien	Miller	MBS135	Mind Your Tone

First Name	Last Name	Project Number	Project Title
Jack	Ryan	MBS137	Does increased heart rate help a 5th grade athlete take a test?
Lily	Santucci	MBS138	How does text color affect readability?
Maria	Cicchino	MBS139	Are eye witness testimonies really 20/20?
Francesca	Veltri	MBS140	Can Mental Exercise Help Alzheimer's?
Julia	Skalniak	MBS141	Inattentional Blindness
Lily	Dietrich	MBS142	Will It Test or Stretch?
Aris	Kralios	MBS143	Sports Affect School Progress?
Josh	Biehl	MBS144	Casino Statistics
Yan	Sher	MBS145	Time Perception's Effect on Cognitive Processing
Hannah	Adelson	MBS146	Synesthesia: An Aid to Memorization
Samuel	Reis	MBS147	The Effect of Rewards on Effort
Samuel	Tarr	MBS148	Unlearning False Information In Deepfake Videos
Connor	Buxton	MBS149	A Correlation Between Video Game Usage and Manual Dexterity
Xavier	Cyrus	MBS150	How do Non-Newtonian Fluids affect Helmet Padding
Alexa	Queen	MBS151	Are Guppies' Big Brains Just for Show and Does Light Affect That?
Paige	King	MBS300	Habitual Ritual
Natalie	Wyant	MBS300	Habitual Ritual
Molly	Burke	MBS301	M3m0ry Through the Ag3s
Helen	Pappas	MBS301	M3m0ry Through the Ag3s
Sophia	Whitman	MBS302	Dreams: Who Remembers Their Dreams More and Why?
Abigail	Zahalsky	MBS302	Dreams: Who Remembers Their Dreams More and Why?
Finnigan	Holton	MBS303	Fear
Milo	Tongarm	MBS303	Fear
Joseph	Weber	MBS303	Fear
Tali	Harris-Gershon	MBS304	The psychological and physiological effect of color on people
Keren	Raz	MBS304	The psychological and physiological effect of color on people
Amit	Beharier	MBS305	The Effect of Distractions on Cognitive Function
Roi	Levy	MBS305	The Effect of Distractions on Cognitive Function
Sophie	Beaudway	MBS306	Fears and How They Vary With Age
Brianna	Smith	MBS306	Fears and How They Vary With Age
Clara	Yuo	MCH100	Using Food Scraps to Adsorb Iron Oxide from water
Sara	Yakim	MCH101	How Much Fat Is In Food?

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Abby	Ondos	MCH102	Accelerating the Degradation of Synthetic Polymers
Maya	Eid	MCH103	Using pH to Assess Food Safety
Mena	Catanzarite	MCH104	Does It Rust - oxidation
Ashley	Rivetti	MCH105	Fizzy Candy Balloon
Adriana	Valvo	MCH106	Cleaning of pennies
Isabella	Fulmer	MCH107	Slime Time
Natalia	Connor	MCH108	Does a scent in the air affect memory?
Test	Student	MCH109	Testing Form 1 human participants
Laura	Decker	MCH110	Just a Little Rusty
Katie	Dudkowski	MCH111	Our world is Drastic Because of That Plastic
Bianca	Udrea	MCH112	Strength of Glues
Elena	Esquivel	MCH113	Too Hot to Handle!
James	Farnan	MCH114	Bust That Rust!
Antonia	Stickle	MCH115	What Helps Remove Salt Water Best?
Beverly	Oleka	MCH116	The Effectiveness of Antioxidants on Apple Browning
Nicholas	Dlugos	MCH117	Soda Pop!
Gabriela	Fennell	MCH118	Steel Away
Jessica	Gadagno	MCH119	Oxidation and Apples
Madison	Zupancic	MCH120	Dancing Polymer Balls
Austin	Lega	MCH121	POP Goes the Acid!
Joey	Levis	MCH122	Bouncing Polymers
Nova	Lekas	MCH123	Beneficial Bioplastics: Developing a More Efficient and Effective Alternative
Alex	Kim	MCH124	How Brittle Do Objects Get the Colder They Turn?
Lauren	Tenney	MCH125	Ocean Acidification: Its Effects on Marine Life
Priyasha	Itani	MCH126	The Relationship Between Air Pressure and Desalination
Emily	Veazey	MCH127	Orange You Glad There Is Vitamin C?
John	Farah	MCH128	What substance in a basketball makes it bounce the highest?
Mary	Maleski	MCH129	Icky Sticky & Ooey Gooley
Mason	Roberts	MCH130	Which Homemade Deicer is Most Effective?
Gianna	Kennelly	MCH131	Super Spherification
Benjamin	Everson	MCH132	Life's Hottest Question?
Ella	Anderson	MCH133	Yeast... How Sweet!

First Name	Last Name	Project Number	Project Title
Emily	Obara	MCH134	Dyeing to Know
Ben	Greening	MCH135	What causes rust to form?
Therese	Bernas	MCH136	How does Adding Salt to Water Change the Boiling Point?
Elaina	Moore	MCH137	Are You Suited for This?
Kiley	Vande Geest	MCH138	The Science of Making Perfume
Talia	Gelman	MCH139	The Effect of pH on Lead Solubility in Water
Vidhisha	Chahande	MCH140	Rocking Purification
Ashwinameera	Selvakumar	MCH141	PH and TDS Levels
Rena	Goldwasser	MCH142	What do different baking ingredients do to the food you are making?
Reese	Diaz	MCH143	Slime Chemistry
Ayush	Supe	MCH144	Effect of temperature on battery life
Owen	Levinger	MCH145	Does the flavor of Mentos affect the size of the explosion when put in Diet Coke?
Joseph	McCullough	MCH146	Height of reaction above beaker (mm) with different ratios of H ₂ O ₂ to KI using 6 ml of dish soap
Devan	Fayock	MCH147	Which Liquid Produces the Most Gas?
Katie	Carney	MCH148	Which Solvent Works Best on Removing Sharpie?
Christian	Lewand	MCH149	Which acidic liquid is best to re-create Baghdad Battery"?"
Andres	Hurkmans	MCH150	Electrolysis; The Separation of Water into Hydrogen and Oxygen
Fabiana	Fritz Vence	MCH151	The Oxidation of Fruits
Aleisia	Henderson	MCH152	Dye Wars
Davone	Turner	MCH153	Nature's Gift of Water
Nathan	Polidora	MCH154	Chill Out!
Meghan	Cavender	MCH155	How Sweet it is! Measuring Glucose in Fruit and Fruit Juices
Joshua	Anand	MCH156	Temperature and Viscosity
Lucas	Bishop	MCH300	Conduction Junction
Brian	McFerran	MCH300	Conduction Junction
Liam	Park	MCH301	Our Water Quality
Arya	Patel	MCH301	Our Water Quality
Sienna	Gingrich	MCH302	Which Water Bottle Will Hold ice Longer?
Freja	Kile	MCH302	Which Water Bottle Will Hold ice Longer?
Sofia	Montoya	MCH302	Which Water Bottle Will Hold ice Longer?
Ralou	Benos	MCH303	Comparing Methods to Desalinate Salt Water

First Name	Last Name	Project Number	Project Title
Nora	Coen-Pirani	MCH303	Comparing Methods to Desalinate Salt Water
Yehudis	Kanal	MCH304	How do different liquids affect how nails rust?
Kayla	Weinberg	MCH304	How do different liquids affect how nails rust?
Alexa	Kocher	MCH305	Testing School Tap Water vs. Filtered Water and Bottled Water
Ciara	Patrick	MCH305	Testing School Tap Water vs. Filtered Water and Bottled Water
Steven	Eason	MCH306	Rocketology
DJ	Johnson	MCH306	Rocketology
Jaidan	Darden	MCH307	Spherification
Marcus	Hart	MCH307	Spherification
Brook	Scott	MCH307	Spherification
Marquis	Allen	MCH308	Bath Bombs
Shanise	Eason	MCH308	Bath Bombs
Heaven	Clark	MCH309	Ice Cream
Haven	McCoy	MCH309	Ice Cream
Syncere	Bose	MCH310	Volcano Experiment
Aaryah	Evans	MCH310	Volcano Experiment
Anna	Engleman	MCH311	Mint's #Cool Factors
Sophia	Gorman	MCH311	Mint's #Cool Factors
Caroline	Miller	MCH311	Mint's #Cool Factors
Nina	Cranor	MCM100	Which Kinds of Websites Track Users the Most
Joselle	Cribbs	MCM101	Cool Water
Joselle	Cribbs	MCM101	Cool Water
Ziqian	Peng	MCM102	Box Storage Program
Luis	Quiroga	MCM103	Motion Detecting Camera
Santosh	Sooriamurthi	MCM104	Concussion rates and how to reduce injury
Emily	Koman	MCM105	Calculating the circumference of the Earth by Measuring shadows
Ethan	Lu	MCM106	What is the best material that blocks RFID signal?
Olina	Mukherjee	MCM107	Applying Neural Networks to Image Analysis in a Biological Experiment: Coping with Limited Training Data
Christopher	Kirchner	MCM108	What Makes a Good City?
Eli	Kranjec	MCM109	The Development of Virtual Creatures
Yousef	Bin Hammad	MCM300	Water Purification Robot

First Name	Last Name	Project Number	Project Title
Boshi	Dong	MCM300	Water Purification Robot
Dhruv	Saggi	MCM300	Water Purification Robot
Chloe	Castro	MCM301	Author.Txt
Kylie	Dreyer	MCM301	Author.Txt
Madison	Holcomb	MCM301	Author.Txt
Audrey	Gregori	MCS100	Does Washing Clothes with Borax make them Flame Resistant?
Claire	Beaman	MCS101	Which Insulation Will Keep Heat in Best?
Aurora-Ahnyea	Hutton	MCS102	Opening Up the Gates on Flooding
Kenna	Colatch	MCS103	Homemade wood glue V.S Store-Bought wood glue: Which one would be better?
Riswanth	Sundaresh-Babu	MCS104	pH level of different water used in daily basis
Caleb	Capicotto	MCS106	Stay Sticky
Ava	Swetoha	MCS107	Paintastic: Which Paint is Most Resistant Against Corrosion
Angelina	Wilson	MCS108	Which Shampoo is a Sham?
Jaime	Fury	MCS109	Beyond the Towel
Madison	Adams	MCS110	It's Stain" Right Here!"
Mike	Evans	MCS111	Concussion Safety: Do Guardian Caps Reduce the Amount of Force Transmitted to the Head in a Collision?
Alexa	Bronkaj	MCS112	A Fee to Fiddle?
Mia	Marsh	MCS113	Stain Remover
Riley	Lecker	MCS114	Which candle burns faster?
Lucy	Miller	MCS115	H2 Whoa
Grant	Waltrip	MCS116	Digital Hall Pass
Petrus	Hawkins	MCS117	Which drinking water has the best Ph?
Tracey	Livsey	MCS118	What Do Sugary Drinks Do To Your Teeth?
Drew	Hairston	MCS119	The Best Whitening Prduct
Taylor	Betzner	MCS120	Aluminum vs Dark Non-stick Pans
Gianna	Amadio	MCS121	Will a Thermo Flask Keep Water Just as Cold as a Hydro Flask After 24 Hours?
Charles	Houston	MCS122	Does the Ratio of Water to Cement Mix affect the Strength of Concrete Forms?
Colin	Barrett	MCS300	The Voted Video Game
Edgar	Spudic	MCS300	The Voted Video Game
Galya	Belman	MCS301	Which laundry detergent works best for different types of laundry?
Sara Baila	Lowenstein	MCS301	Which laundry detergent works best for different types of laundry?

First Name	Last Name	Project Number	Project Title
Daniella	Sahel	MCS301	Which laundry detergent works best for different types of laundry?
Abrianna	Privitera	MEE100	Color Choice in Solar Heaters
Liliana	Claditis	MEE101	The Effect of N-P-K Fertilizer on Daphnia magna Heart Rate
Olivia	Smetak	MEE102	Oil Pollution Remediation using Mammalian Hair
Anna	Kruse	MEE103	Effect Of Metal in Soil On Plant Growth
Anne	Lindsay	MEE104	The Effect of Titanium Dioxide on Aquatic E. coli Inhibition
Dan	Longo	MEE105	What plants most benefit water quality
Megan	Foody	MEE106	Testing the Biodegradability of Plastics
Matthew	Aluise	MEE107	Renew Your Resources
Annelies	Palombi	MEE108	Persistent Pollution on the Planet: It's a Problem
Jack	Billick	MEE109	Cool Down the Planet
Max	Clister	MEE110	GO GREEN!
Charisma	Raszewski	MEE111	Wind Power; It's For The Birds
Finn	O'Neill	MEE112	Plants vs Erosion....Throw the Earth a Root
Varad	Sant	MEE113	The Effect of pH on the Rate of Mineral Dissolution
Reva	Kalbhor	MEE114	Home Away from Home
Veronica	Koval	MEE115	To Btk... Or Not To Btk?
Liliana	D'Andrea	MEE116	BREATHE IN(doors) & OUT(doors): Ozone+PM μ 2192 AQI
Donovan	Polito	MEE117	Coal Beans
Joseph	Cicchino	MEE118	Grey water for green thumbs? How does recycled water impact plant growth?
Julia	Schaarsmith	MEE119	Ground Ozone Levels: Urban vs Rural
Ari	Case	MEE120	How Can Companies Protect Shipments Sustainably
Anuva	Ghosalkar	MEE121	Plastics: Breaking it Down
Yash	Shah	MEE122	A Plastic Savvy World
Leona	Chen	MEE123	Combating Nutrient Pollution
Arnav	Patel	MEE124	Sustainable Approach to Rubber Production Utilizing Hedge Balls
Jaden	Small	MEE125	Balloon Car - 7
Gracie	Hall	MEE126	Under Pressure
Evan	Armstrong	MEE127	Dry Wood is Happy Wood
Mary	Estes	MEE128	Do flowers like hot tubs?
Helen	O'Grady	MEE129	The Effects of Climate Change
Rebecca	Yimlamai	MEE130	The Effectiveness of Aquaponics Versus Other Growing Techniques

First Name	Last Name	Project Number	Project Title
Jaxson	Poziviak	MEE131	Paper vs Plastic The Last Straw
Gavin	DeVerse	MEE132	Do Closed Doors Save Lives?
Jeremiah	Cessna	MEE133	What Filters Purify Multiple Liquids the Best?
Cynthia	Lopez	MEE134	Air Pollution
Zoe	Painter	MEE300	The Effects of Gravity on Herbs
Zoe	Spear	MEE300	The Effects of Gravity on Herbs
Savannah	Myke	MEE301	Stars and Exoplanets
Max	Thomas	MEE301	Stars and Exoplanets
Gwendolyn	Keenan	MEE302	Sustainable Energy and Waste Management
Kaelin	Messersmith	MEE302	Sustainable Energy and Waste Management
Grace	Hall	MEE303	Comparing the Effectiveness of Three Commercial Water Filters at Filtering Inorganic Pollutants
Ryan	Zuckerbraun	MEE303	Comparing the Effectiveness of Three Commercial Water Filters at Filtering Inorganic Pollutants
Evelyn	Aizenstein	MEE304	Manufactured SAP Vs. Store Bought SAP
Akiva	Weinkle	MEE304	Manufactured SAP Vs. Store Bought SAP
Abigail	Bernstein	MEE305	Which type of polymer is the most biodegradable?
Tahara	Reinherz	MEE305	Which type of polymer is the most biodegradable?
Shane	Carter	MEE306	Potato Battery
Brandon	Wade	MEE306	Potato Battery
Charmaine	Chinodakufa	MEE307	Water Pollution in Pennsylvania
Neha	Thomas	MEE307	Water Pollution in Pennsylvania
Brenna	Gerle	MEE308	Biodegradeable Paper Plates
Emma	Wenum	MEE308	Biodegradeable Paper Plates
Tyler	McClintock-Comeaux	MEE309	The Energy of the Rain
Rohan	Mehta	MEE309	The Energy of the Rain
Ishaan	Sharma	MEE309	The Energy of the Rain
Jacob	Collins	MER100	Increase the Enthalpy!
Neelansh	Samanta	MER101	Electromagnetic Crane
Reed	Farmerie	MER102	Running on Oil
Alexandra	Hoffman	MER103	No Brainer Tennis Ball Reclaimer
Dominic	Gadagno	MER104	Stressed Out

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Tia	Kaschauer	MER105	The Construction of an Affordable Nose Guard
Emaan	Ashfaq	MER106	Need a Hand? A Prosthetic Prototype
Nicholas	Skalniak	MER107	What method is best to secure shingles during high wind?
Anthony	Florian	MER108	Don't Bug Me
Rohit	Sattuluri	MER109	The Self Driving Car
Anuj	Shah	MER110	HVAC Filters: Is it Time to Change Them?
Jack	Kaczmariski	MER111	Don't Burn Your Bridges
Alex	Liebmann	MER112	Can an Electronic Circuit Detect Different Colored Fruit?
Bailey	Ye	MER113	Which bridge design is the strongest?
Owen	Kaufman	MER114	Grip Test of a 3-D Printed Hand
Siya	Jain	MER115	Waste To Energy Using Thermoelectricity
Mukund	Venkatesh	MER116	Bibox Distance Sensing Remote Control Car
Nimish	Rai	MER117	T.V. Remote Finder
Ariah	Morton	MER118	Art Bot
Hayden	Nadeau	MER119	Increased Efficiency in Electric Cars
Jay	Sen	MER120	Using Sea Perch for Ocean Garbage Collection
Matthew	Bandos	MER121	Improving Solar Car Design
Nikhil	Gandhi	MER122	Using a drone system to help remove plastic from bodies of water
Ziyang	Zhong	MER123	Creating a more useful water pitcher for the elderly or handicapped community
Boaz	Bey	MER124	Strong Bridges
Suzanna	DePace	MER125	Improved Pooper Scooper
Lucas	Walton	MER126	Drying Rack
Ean	Maxwell	MER127	A retractable toothbrush
Mia	Gargiulo	MER128	Dog Toy with a Voice in it
Zachary	Landry	MER129	Dual Entrance Bag
Olivia	Sedlacek	MER130	Light Up Charger Cube
Lily	Weber	MER131	How Can Kids Be Kept From Dinnerware Disasters?
John	Hershey	MER132	Ping Pong Paddle Power
Shriya	Narasimhan	MER133	Finding a Strong Solution with Shapes
Kierston	Beerel	MER300	A Robot That Can Do a Simple Task
Megan	Cassady	MER300	A Robot That Can Do a Simple Task
Luana	Cesar	MER300	A Robot That Can Do a Simple Task

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Colin	Liang	MER301	The Great CELLution
Mahir	Parmar	MER301	The Great CELLution
Shiven	Verma	MER301	The Great CELLution
Gray	Siegler	MER302	Analysis of Wind Turbine Design Efficiency
Finn	Woods	MER302	Analysis of Wind Turbine Design Efficiency
Aravind	Juvva	MER303	Plastic Collection
Dhruv	Kithany	MER303	Plastic Collection
Guhun	Suresh	MER303	Plastic Collection
Brianna	Heard	MER304	LED Dance Glove
Sanniah	Tate	MER304	LED Dance Glove
Story	Diaz	MER305	Dancing Robot
Kristin	Hopkins	MER305	Dancing Robot
Christian	Zhu	MER306	Testing lift with different wing shapes
Isabelle	Kozera	MER307	Are Rooftop Gardens a Cool Idea?
Carli	Reisinger	MER307	Are Rooftop Gardens a Cool Idea?
Anthony	Cardello	MER308	Sensory Cam
Charlie	Lawrence	MER308	Sensory Cam
Ashley	Arner	MMH100	Bacterial Proliferation on Daily; Weekly; and Monthly Wear Contact Lenses
Yara	AlMoussa	MMH101	Antibiotics' Effect on Pseudomonas Fluorescens
Jordan	Sirianni	MMH102	Which fitness watch is the most accurate
Sydney	Sword	MMH103	Which hand sanitizer brand eliminates the most E.coli bacteria?
Anastasia	Piacentini	MMH104	The effects of fertilizer on cyanobacteria growth.
Adhitya	Thirumala	MMH105	Detecting Abnormalities in Lung X-Rays
Alyssa	Headley	MMH106	Do sleep schedules improve sleep quality?
Lili	Lutheran	MMH107	Cycle to the Top
Isaac	House	MMH108	What is the Effect of Music at Different BPM's on Running Performance?
James	Brewer	MMH109	Stopping the Evolution of Resistant Bacteria by Decreasing Sanitizer Use
Madison	Plunko	MMH110	The Power of Bacteria
Adia	Boccella	MMH111	Does stretching daily impact flexibility?
Tyler	Kramer	MMH112	Cardiac Stents: Comparing the Strength of Cardiac Stent Designs
Tressa	Fatula	MMH113	The 5 Second Rule
Joey	Murphy	MMH114	Normal Diet versus Vegetarian Diet

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Aarav	Surapaneni	MMH115	Using Memory to Fight Off Disease: Salt and Iron Fillings
Gayath	Karunaratne	MMH116	Effect of Antioxidants on Tumor Growth in Planaria
Anna	Meade	MMH117	What part of school is the dirtiest?
Chase	Harrison	MMH118	Book Germs for Book Worms
Abigail	Stalder	MMH119	Shelf Life of Plant Versus Animal Protein
Paige	Nagel	MMH120	Basketball vs Volleyball Germs
Joshua	Wincko	MMH121	The Effects of Mint Extract on E. coli Survivorship
Kaushal	Patel	MMH122	ADHD Medication Safety
Rishika	Somireddy	MMH123	The Nutritional Difference
Sreevani	Veeroju	MMH124	Fitness Level in Relation to Age
Leah	Heym	MMH125	The Effect of Different Anti-Fungals on Mold Growth
Phineas	Hammer	MMH126	Water Purification through Distillation and Iodine
Sarah	Cavanaugh	MMH127	To Bleed or Not To Bleed
Liam	Pekarsky	MMH128	Teeth Whitening Toothpaste vs. Baking Soda and Hydrogen Peroxide
Mikayla	Bodily	MMH300	Bacterial Proliferation on Various Musical Instruments
Ella	Eyler	MMH300	Bacterial Proliferation on Various Musical Instruments
Jacob	Franks	MPA100	The Effect of Bolt Mass on Crossbow Bolt Penetration
Belinda	Bova	MPA101	Does stride length affect pitch speed?
Delainey	Dusch	MPA102	Can You Hear Me Now
Kaarthikha	Senthilkumar	MPA103	What Floats Your Boat?
Erica	Rodriguez	MPA104	Bye Bye Wi-Fi
Danielle	Tomley	MPA105	Watch it Bounce!
Tommy	Slowey	MPA106	Batter -Up:Which Baseball Bat Hits the Farthest?
David	Kerin	MPA107	EV3 Torque Test
Kasia	Ewing	MPA108	Star Jobs
Vincent	Brown	MPA109	Loading
Kendalyn	Umbel	MPA110	Light It Up!
Vega	Mani	MPA111	Does the speed of a runner affect the height they get off of a vaulting spring
Reilly	Gusky	MPA112	Model Rockets
Theresa	Courtright	MPA113	The Relationship between Density and Displacement
Maria	Kuhns	MPA114	Revolving A-Mung us
Elisabeth	Maleski	MPA115	Vices of Devices

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Benjamin	Wingerter	MPA116	Capturing Lightning
Thomas	Wingerter	MPA117	Infinity Mirror
Ryan	Concannon	MPA118	The Heat is On
Cameron	Humberger	MPA119	Tesla Coil Conductivity
Jack	Slabe	MPA120	What Temperature does a Golf Ball will Bounce the Highest?
Cole	Cohen	MPA121	Which color of light creates the most energy on solar panels?
Greg	Watson	MPA122	Seeing into Space
Ben	Pinkston	MPA123	Creating Green Energy Using Assorted DC Motors
Thomas	Moses	MPA124	Basketball Surface Bounce
Michael	Aland	MPA125	Make Some Noise!
Tanner	Nelson	MPA126	Will You Get A Strong WiFi Signal Behind Cement
Zachary	Hughes	MPA127	The Project That Crashed and Burned
Alyssa	Spang	MPA128	Does Temperature Matter?
Matthew	Evans	MPA129	Does the temperature of a magnet impact its strength?
Will	Speers	MPA130	How Does the Intensity of Light Change with Distance?
Kharai	Leinbach	MPA131	What is the Effect of Temperature on a Tennis Ball's Bounce Height
Maisey	Flaherty	MPA132	Do-Re-Mi with Straws
Joseph	Bellinger	MPA133	Strength of Glues
Brandon	Butcher	MPA134	playing with the thermostat
Nico	Comunale	MPA300	Do Shoes Effect Jump Height
Ethan	GrieveLinblad	MPA300	Do Shoes Effect Jump Height
Ethan	Nguyen	MPA300	Do Shoes Effect Jump Height
Emily	Jeong	SBI100	Effects of Rapamycin and Metformin on Exosome Secretion in Cancer Cells
Hannah	Barsouk	SBI101	Response to Energy Deprivation: Exploring the Role of Mammalian Alpha Arrestins in Glucose Transporter Trafficking
Laura	Brodkey	SBI102	Do Stomata Contribute to Foliar Uptake of Nanoparticles?
Maria-Yamouna	Zarour	SBI103	The Role of Neuropilin 2 Isoforms in Macrophage Proliferation
Maxim	Yaskolko	SBI104	Exploring the Modulatory Effect of Vascular Normalizing Agents on Tumor Cells; T cells and Dendritic Cells in vitro
Olivia	Giancola	SBI105	Determining a Correlation Between Dental Imprint and Height
Hadley	Hellgren	SBI106	The Effect of Wi-Fi Microwave Radiation on Planaria Regeneration
Margaret	Hollobaugh	SBI107	Which Type of Fabric Attracts the Most Ragweed Pollen?

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Julia	Beck	SBI108	%u201CSpice%u201D Up Your Health
Mia	Harrison	SBI109	The Ants Finally Stop Marching
Eva	Schneiderlochner	SBI110	Temperature Effects on the Health of Lima Beans
Shreyo	Das	SBI111	Hox genes in Drosophila melanogaster
Sophia	Shi	SBI112	Regulation of Deubiquitinase Activity in Mitophagy
Aaron	Short	SBI113	The Effect of Bourbon on Daphnia Magna Life Processes
Andrea	Uber	SBI114	The Indi-Yeast 500: Manipulating The Pol II gene to Affect the Rate of Colony
Oday	Abushaban	SBI115	Urbanization on Dandelions
Sein	Lee	SBI116	Characterization of Cdc14 phosphatase activity in Aspergillus flavus and novel inhibitor design
Neha	Sriram	SBI117	Are Fingerprint Patterns Inherited?
Austin	Summers	SBI118	Exploring Cellular HIV-1 Nef Interaction with SERINC5-ICL4
Samuel	Snyder	SBI119	Energy Content of Algae Based Biofuels
Siming	Tang	SBI120	Does UVA Light Effectively Disinfect Bacteria in Water?
Ethan	Schroeder	SBI121	Effect of Wi-Fi Radiation on Mosquito Reproduction using Novel; Non-blood
Bryar	Schilling	SBI122	The Effect of Food Type on Betta Fish Development
Cooper	Eckenrode	SBI123	Common Household Items vs. Bacteria
Hannah	Krug	SBI124	Bacteria vs Contacts
Colton	Brenneman	SBI125	Effects of Substances on Bacterial Quorum Sensing Interactions in Vibrio fischeri
Hana	Nazelrod	SBI126	Eggs-Permanent Freshness
Zhou	Dong	SBI127	Feeding Osmosis
Dilini	Ranaweera	SBI128	Computational Neuroscience
Amulya	Garimella	SBI129	Finding Epigenetic Blood Biomarkers for Alzheimer's Disease
Anthony	Nguyen	SBI130	Performing a LacZ Knockout with CRISPR/Cas 9
Emily	Campbell	SBI131	Does screen time effect planaria regeneration?
Mona	Gerges	SBI132	The Effect of Microplastic and Bioplastic on Seed Germination and Soil
Andrew	VanFossen	SBI133	Fish Reproduction and Societal Differences
Jenna	Conrad	SBI134	Hydroponics vs Soil-Grown
Oscar	Heller	SBI135	Using Artificial Intelligence to Study the Opioid Epidemic
Aidan	Liddy	SBI136	Pesticide Effects on Plant Development
Robert	Nix	SBI137	Corn Ash Teeth Whitening Effects
Ameya	Velankar	SBI138	Anaerobic Microbes: Removing Arsenate from Drinking Water

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Joseph	Anand	SBI139	Cookie Monster :-)
Michael	Ulis	SBI140	The Effect of Plant Extracts on the Coagulation of Synthetic Blood.
Brandon	Wood	SBI141	The Affects of Plant Spacing
John	O'Toole	SBI142	Can We Make Preen Green? Part 4 Modified Application Techniques to Minimize Negative Effects
Nathan	McCombie	SBI143	Is Caloric Expenditure Affected by Food Consumption?
Isabella	Florian	SBI144	Taurine and Irregular Heart Rhythms
Nathan	Birch	SBI145	Diatoms and Water Quality
Maggie	Conjelko	SBI146	Diatoms and Freshwater Filtration Methods
Justine	Eng	SBI147	Water Filtration through Plants
Allen	Gao	SBI148	Natural Resources Based Bioplastics with Antimicrobial Potential/Properties
Dylan	Joos	SBI149	What is the effect of beats per minute of a song on the heart rate of Daphnia
Faith	Ford	SBI150	The Effect of Hair Dye on Hair Width as Measured by a Laser
Derrell	Mack	SBI151	The Effect of Noise Pollution on Daphnia HeartRate
Jason	Brewton	SBI152	The Effect of Music Genre on Daphnia Heartrate
Andrew	Levy	SBI153	The Effects of Beta Radiation on the Growth and Development of Different
Ben	Balbach	SBI300	Food Preservation: The Ideal Method for Preserving Produce
Rachel	Faulkner	SBI300	Food Preservation: The Ideal Method for Preserving Produce
Lina	Fu	SBI300	Food Preservation: The Ideal Method for Preserving Produce
Hayden	Medlin	SBI301	An Analytical Observation of the Rivalry Between Native and Invasive Aquatic Plant Species When Exposed to Various pH Levels
Derek	Skidmore	SBI301	An Analytical Observation of the Rivalry Between Native and Invasive Aquatic Plant Species When Exposed to Various pH Levels
Audrey	Leong	SBS100	Using Pre-Existing Patterns of Depression to Predict the Development Postpartum Depression in Adolescent Mothers
Ilana	Tseytlin	SBS101	Self Reported Reasons for Initiation of Opioid Use Among Pregnant Women
Anita	Bhat	SBS102	The Influence of Light Pigmentation on Ambiguous Image Perception
Grace	Seita	SBS103	The Effect of Time Limit Stressors on Short Term Memory
Adaishia	Davis	SBS104	The Effect of Gender on Social Conformity
Abigail	Bartos	SBS105	Shoot Your Shot: Does Mindset Affect Athletic Performance?
Olivia	Hite	SBS106	Code Blue
Olivia	Nanney	SBS107	Are Eyewitness Accounts Really That Credible?

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Mikhail	Hauryliuk	SBS108	The Red Star Banner
Bana	AlMoussa	SBS109	Analysis of Men's Role in Menstrual Practices in Far-West Nepal
Mara	Bett	SBS110	The Relationship Between Stress and Class Difficulty
Hadley	Holcomb	SBS111	How Do We Become Biased?
Danica	Raich	SBS112	Auditory Binaural Beat Stimulation and its Effects on Creativity
Roman	Simkins	SBS113	The Effect of Scramble Distance on Human Solvers
Rachel	Little	SBS114	Tail-Wag in Response to Dog Environment
Brynn	Thomas	SBS115	How Does Screen Time Throughout the Day Affect Sleep?
Tyler	Bodily	SBS116	Bouba Vs. Kiki: Association of Visual Images with Sound
Shaelynn	Sheesley	SBS117	The Truth of Subliminal Messages
Steven	Dalby	SBS118	Best Teaching Tactic Against Vaping
Karin	Adams	SBS119	Do Relaxation Techniques effect students' heart rates when under stress.
Jade	Marines	SBS120	Does Color Affect Art Therapy?
Julia	Kopera	SBS121	How do phones affect how much teens remember.
Karen	Mendoza	SBS122	How Mental is Physical Pain?
Crystal	Zheng	SBS123	Monolinguals vs. Polyglots: Short-Term Memory
Elise	Whitlinger	SBS124	The Effect of Cross Laterality on Dexterity Task Completion
Jannah	Farag	SBS125	Correlation Between Vaccinations and Age
Alexandra	Schofield	SBS126	Can you Repeat That?
Mariah	Bolden	SBS127	Success: A Nation Divided
Zoie	Beckman	SBS128	Multitasking: Enhance or Inhibit
Jocelyn	Fredlock	SBS129	How Musical Experience can Affect Pitch Perception
Julia	Runge	SBS130	Do Sports Improve Self Confidence?
Sophie	Runge	SBS131	The Effect of Social Media on Body Image
Lee	Rosenberger	SBS132	Analyzing the Halo Effect in Politics
Jenna	McLaine	SBS133	How the Amount of Sleep You Get Affects How Well You Drive
Kaylee	Becker-George	SBS134	The Effect of Grading on Motivation
Theodor	Urban	SBS135	Modeling Crowd Dynamics to Improve School Design Safety
Vinisha	Sant	SBS136	The Effect of Music on Reaction Time and Focus
Nishi	Thawani	SBS137	Study and Classification of Short-Term Memory Influencing Factors
Jackson	Romero	SBS138	Testing the Ability to Accurately Reproduce Rhythm
Carmella	Fredo	SBS139	Synesthesia

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Macey	Mezzelo	SBS140	Color Corresponds with the Mind
Andrew	Kuzneski	SBS141	Media's Effect on How People Perceive Words
Victoria	Ren	SBS142	The Youth E-Cigarette Epidemic Trend
Kerri	Kordyban	SBS143	The Science of Human Attraction
Karly	Maslonik	SBS144	Was that (Mis)leading?
Abigail	Abrams	SBS145	Does Cellphone Usage Effect Anxiety Levels
Yang	Zhou	SBS146	The Phenomenon of conformity behavior in high school campus
JaNiyah	Wingfield	SBS147	The Effect of Music on Memorization
Aria	Narasimhan	SBS148	Improving Communication Methods in Diagnosing and Treating Autism Spectrum Disorder
Robert	Colbert	SBS149	The Effect of Sleep on Memory
Jessica	Sedano	SBS150	Human Response to limitations
Dimitry	Yergiyev	SBS300	Pavlov's Humans
benson	zheng	SBS300	Pavlov's Humans
Donald	Zoffel	SBS300	Pavlov's Humans
Michael	Frank	SBS301	Does Size Really Matter?
Morgan	Sleboznick	SBS301	Does Size Really Matter?
Rohan	Reddy	SBS302	The Effects of Pitch on Voice Recognition Software - Year 2 of an Ongoing Study
Anshul	Shah	SBS302	The Effects of Pitch on Voice Recognition Software - Year 2 of an Ongoing Study
Kendal	Glass	SBS303	Cheering for Varsity Maryland
Arizona	Thomas	SBS303	Cheering for Varsity Maryland
Kylea	Beitzel	SBS304	Conformity: a study of peers
Alicia	Minnick	SBS304	Conformity: a study of peers
Michal	Hajlasz	SCH100	Piezoelectric Responses in Periodic Organic Systems
Omri	Raz	SCH101	Global Warming and Quantum Mechanics: Towards an Ab Initio Model to Predict Greenhouse Gas Vibration
Yibo	Zhang	SCH102	What different catalysts will have a more impact on the experiment?
Josephine	Toth	SCH103	How Long do Cleaning Products Remain on Surfaces?
Maya	Legersky	SCH104	Chemical Reduction of Carbon Dioxide Emissions (Continued)
Matthew	Parsi	SCH105	Carbon Steel and Cathodic and Barrier Rust-Inhibitors
Jacqueline	Nicolaus	SCH106	Acetaminophen Dissolution
Veronica	Pimenova	SCH107	Synthesis of Spiky Nanoparticles For Safer Paints

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Brody	Porter	SCH108	Creating Biodiesel Fuel from Fruit Peels
Autumn	Franks	SCH109	Briggs-Rauscher Reactions with Different H ₂ O ₂ Concentrations
Victor	Wu	SCH110	Producing and Testing Biofuels
Eliza	Ray	SCH111	Response Surface Methodolgy as an Approach to the Production of Cellulose from Waste Paper
Reece	Reckart	SCH112	Filtering out the Competition
Lee	Thomas	SCH113	Protective Coating: Beeswax v. Petroleum Jelly
Audra	Moore	SCH114	Safety in Sunscreen and Alternatives to Dangerous Chemicals
Grace	Woolslayer	SCH115	Using Fe ₃ O ₄ from AMD to Extract Microplastics from Water
Gabriel	Kenning	SCH117	The Effects of Metals on Algae
Olivia	Krimin	SCH118	What's Actually in Our Water
Regina	Palladino	SCH119	An Analysis of the Water Solubility in Starch Based Polymers
Parker	Maivald	SCH121	Gallium Based Thermal Interfaces
Jamie	Bouch	SCH122	Seeing Vitamin C Through Indophenol
LaKierra	Teasley	SCH123	Tattoo Removal
Roberta	Liddle	SCH124	Fading of Natural and Synthetic Dyes
Payge	Washington	SCH125	The Effect of energy drinks on the pH of stomach acid
Journey	Davidson	SCH126	Measuring the spoiling rate of milk using pH as an indicator
Tracey	Edwards	SCH127	Which type of pasta swells the most?
Brian	Lee	SCH128	Alternative to Modern Solutions for the Spreading of Wildfires
Sophia	Bishoff	SCH300	Breaking Bonds Part II
Emma	Horner	SCH300	Breaking Bonds Part II
Oliver	Daugherty-Long	SCM100	How well do Machine Learning Techniques Predict the Scaled Sound Pressure Level of an Airfoil
Kaloyan	Stefanov	SCM101	Using Machine Learning in Python to Develop Christmas Music
Jacob	Terkel	SCM102	Revisiting the Universal Divisibility Rule
Aryan	Prasad	SCM103	Is Magnetic Acceleration a Viable Alternative to Rockets on the Moon
Philip	Papurt	SCM104	Natural Language Processing
Praneel	Murthy	SCM105	The DOC is Waiting - Drug Overdose Coach
Jeongwoo	Gwon	SCM106	Total Protection- Security App Against Cyberattacks
Ian	Eckenrode	SCM107	Smart Home Sensor with ESP32
Ashna	Patel	SCM108	IGF-regulated long non-coding RNAs Altered in Breast Cancer

First Name	Last Name	Project Number	Project Title
Keshav	Narasimhan	SCM109	A Mathematical Model to Predict Crohn's Flare-Up
Pablo	Coen-Pirani	SCM110	Developing an Electronic Health Record App using the FHIR Data Standard
Zhengru (James)	Fang	SCM111	Development of a Transferable Deep Learning-Based Signal-Processing Algorithm for Diagnosis of Cardiovascular Arrhythmias
Robert	Lipnichan	SCM112	The Mathematics of Origami- The Power of Huzita-Justin Axiom 6
Ritvik	Shah	SCM113	Facial Recognition Security
John	Tropeano	SCM114	Machine Learning and the Prisoner's Dilemma Problem
Arvind	Seshan	SCM115	Ad Hoc High-Accuracy Touch Interaction Using Acoustic Localization
Zoe	Lakkis	SCM116	Multidimensional Statistical Analysis to Combat Transplant Rejection
Siddharth	Yende	SCM117	A Statistical Analysis on the Results of PJAS 2019
Rajeev	Godse	SCM118	An Analysis of the Effectiveness of Sabermetrics in the NFL
Anand	Sooriamurthi	SCM119	Runningback yards per play
Carly	Wang	SCM120	Correlation of Air Quality and Health Issues
Raegan	Yutzy	SCM121	SnackChat
Hunter	Hockman	SCM122	Wikipedia-Fact or Fiction?
Annie	Wang	SCM123	A Generalization of Stars and Bars for Placing Identical Items into Identical Bins
Chancharik	Mitra	SCM124	Improving Time Complexity of the Quadratic Sieve Factoring Algorithm
Cecilia	Fidler	SCM125	Computational Conception: Analysis of Efficiency in Algorithmic Organization
Prateek	Adurty	SCM126	A Rule-Based Model of Target Mediated Drug Disposition (TMDD) Between Otelixizumab and T Cell Receptors
Balaji	Alagar	SCM127	Conway's Game of Life
Xavier	Thompson	SCM128	Computer password storage and generation
Nakul	Solai	SCM300	Creating a Cost Effective Eye Tracking Software
Pradyun	Solai	SCM300	Creating a Cost Effective Eye Tracking Software
David	Choi	SCM301	Real Time Instrument Recognition Using Recurrent Neural Networks
Vincent	Horvath	SCM301	Real Time Instrument Recognition Using Recurrent Neural Networks
Emma	Waldron	SEE100	Pesticide Effects on Growth of an Amphibian Fungal Pathogen
Molly	Potts	SEE101	Germination Responses of Native and Exotic Plant Species
Nathaniel	Sirlin	SEE102	Filtration of Polluted Water through Plant Matter
Anna	Cappella	SEE103	Plant Life and Chemistry of the Nine Mile Slag Dump
Natalie	Golgan	SEE104	Freshwater Algae Remediation of Acid Mine Drainage Water
Luke	Passarelli	SEE105	What are the effects of Glyphosate on Nitrogen Fixing Bacteria?

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Andrew	Yuscinsky	SEE106	Ants vs. Worms affect on soil nutrient concentration
Megan	Giles	SEE107	Comparing Compost Contents to Produce the Most Nutrients
Aiden	Williams	SEE108	The Effect of Interstate 80 on Weather Patterns in PA
Shana	Reddy	SEE109	The Impact of Predicted Oceanic pH levels on Marine Plants
Natalie	McGee	SEE110	Exploring Sustainable Methods of Ocean Surface Agriculture
Farrah	Culbertson	SEE111	The Toxicity of Perfume
Elsie	Lindsay	SEE112	Determining Optimal Growth Conditions for Plastic Digestion by Pestalotiopsis microspora
Ethan	Gogal	SEE113	Nutrient Erosion Control Techniques used in Pennsylvania and their Effectiveness
Natasha	Porwal	SEE115	Magnetic Reduction of Heavy Metal Soil Contamination
Rachel	Bina	SEE116	Use of Bacteriophage to Minimize Vibrio cholerae Populations in Aquatic
Maya	Klatte-McAfee	SEE117	The Sustainability of Brackish Water Aquaponics
Ava	Duchin	SEE118	The Effectiveness of Moringa Oleifera Seeds to Purify Water
Kelly	Tang	SEE119	Effects of Microplastics on Algae
Skylar	Geibel	SEE120	Cigarette Filter Run-off Effects on Daphnia magna
Colton	Mell	SEE121	The Effect of Amended Soil on Raphinus raphinistrum Growth
Abhirami	Ajay	SEE122	Processing Plastics
Shivani	Watson	SEE123	Computational Modeling of a New Fluorogenic Estrogen-Detecting Sensor
Sean	LeMay	SEE127	Testing Different Straws Durability
Elizabeth	Kinney	SEE129	Oil V.S Drain Protection
Emily	Hayes	SEE130	Electromagnetic Radiation and Daphnia Survivability
Trista	Newman	SEE131	Painted Lady Butterflies and the Magnetic Field
Saisha	Badgular	SEE132	The Impact of Power Plants on the Environment
Adam	Ornowski	SEE133	Compostable K-cups
Elizabeth	Ivory	SEE134	Challenging the Symbiotic Relationship Between Zooxanthellae Algae and Coral
Shagufta	Haque	SEE135	Extracting Microplastics From Water Using Froth Flotation
Maksym	Conjelko	SEE136	Variables Affecting Wildfires
Emma	Grim	SEE137	Microplastics and the Effect they have on Plants
Autumn	Smith	SEE138	The Effect of Decomposition on Plastic Straws
Athena	Yang	SEE139	Green Energy
Timothy	Hauge	SEE140	The Insulation Effect of Chia and Other Plants
Luca	Cosentino	SEE141	Clean for All: Water Filtration

First Name	Last Name	Project Number	Project Title
Steven	Liu	SEE142	Are Electric Cars Really Better for the Environment?
Anker	Zhao	SEE143	In Silico Annotation of Phenolamides in Plants in Tandem Mass Spectra
Searrah	Bierker	SEE144	The Effects of Microplastics on Freshwater Acidification
Lily	Giovannelli	SEE145	Can Plastic Degrade More Quickly Using UV Radiation?
Grace	Wang	SEE146	Greenhouse Gas Free Energy
Chase	Fearon	SEE147	Detecting Metal Contamination in Local Watersheds
Elaine	Gombos	SEE148	Cloud Seeding and Ice Crystal Formation
Hayley	Baranowski	SEE149	The Effect of Nanosilver on Pond Life
Gabrielle	Corcoran	SEE150	Recycled Plastics: Textiles of the Future
Charles	Hickenboth; IV	SEE151	Effectiveness of Various Household Wastes at Producing Biogas in a Pilot Scale Biogas Generator
Paige	Mitsko	SEE152	How Does Climate Affect Forest Fires in Eastern and Western US?
Zackary	Letso	SEE153	Edible Water Bottles Saving the Environment
Austin	Cratty	SEE154	The Effect of Climate Change on the Durability of Building Materials
Gwen	Zeis-Miller	SEE155	How does air and soil quality compare at Urban Parks?
Tye	James	SEE156	What type of algae has the best oil yield?
Emily	Malay	SEE157	The Effect of wavelength on bean growth and chlorophyll production
Mikayah	Long	SEE158	Forest Fires Effect of Plant Growth and Chlorophyll Production
Gabrielle	Edgington	SEE159	Fuel Sources
Regina	Anand	SEE160	To Glow Or Not To Glow!
Abby	Killam	SEE161	Ocean Acidification Estuary
Eileen	Guo	SEE300	A Study on the Effect of Ion-Exchange Resin on Heavy Metal Polluted Water
Katherine	Li	SEE300	A Study on the Effect of Ion-Exchange Resin on Heavy Metal Polluted Water
Caleigh	Cessna	SEE302	Extended Additional Crystallization of Volcanic Minerals
Quanyou	Zhang	SEE302	Extended Additional Crystallization of Volcanic Minerals
Natalie	Ondo	SEE303	An Analysis of Pea Plants' Growth Based on Germination in a Light and Dark Environment
Alexandra	Rall	SEE303	An Analysis of Pea Plants' Growth Based on Germination in a Light and Dark Environment
Joshua	Kipiller	SER100	Designing Semiconductors for Greater Range of Light Absorption
William	Baverso	SER102	Improving Speaker Accessibility for the Visually Impaired
Ethan	Rapp	SER103	Designing an Antibacterial Door Handle

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Nathaniel	Faber	SER104	Modular Building via 3D Printing
Ashnaa	Bhide	SER105	ECO: An Automated Separating Mechanism for Biodegradable Materials
Landon	Colaresi	SER106	Adaptive Resolution Phased Array Sonar
Ava	Halligan	SER107	Which Model Turbine Produces the Most Energy?
Shanthi	Krishnaswamy	SER108	Self-Sustaining Aquaponic System
Yahya	Farag	SER109	Project S.U.P.R.E.M.E.
Corinn	Brewer	SER110	The Influence of Aerodynamics on Skyscraper Structural Stability
Kaitlyn	Sherwood	SER111	Constant Wind
James	Ertter III	SER112	Compressed Air Car Engine
Sanjay	Seshan	SER113	Lightweight assistive technology: A wearable; optical-fiber gesture recognition
Victor	Yang	SER114	Intelligent Device for Eye Disorder Treatment
Janise	Kim	SER115	Applying Machine Learning to Eliminate Standby Electricity
Amelia	Kuzneski	SER116	Electromagnetic Induction Portable Charger
Amna	Kasi	SER117	Growing Plants in Cellulose Acetate Fiber
Yuvan	Suresh	SER118	Safe Call
Kyus	Spencer	SER119	Compression Systems
Julian	Yerger	SER120	Development of an Arduino Based Potentiostat
Nehal	Abhang	SER121	The Most Optimal Crutch Design
Sebastien	Sedan	SER123	Capturing Water Using A Turbine and A DC Motor using a Multimeter to Find Out How Much Wattage is Created
Victoria	Manzek	SER124	The Perfect Bat
Alvin	Liu	SER125	RC Car on Water
Chennie	Wang	SER126	Effect of Annealing On Electrical Steels
Jackson	Zemek	SER127	Designing a Frequency Selective Hearing Aid
Luke	Lamitina	SER128	Developing Sensors to Assist with Athletic Strength and Conditioning
Praman	Rai	SER129	Smart Parking
Zy'Aire	McCreary-Scott	SER130	Litter Bug
Robert	Hershey	SER131	Home Wildfire Defense
Leo	Berzon	SER132	Magic: The Gathering Counterfeit Card Detector
Pratham	Agarwal	SER301	ADRBOT: An Arduino Disaster Relief Robot
Milun	Jain	SER301	ADRBOT: An Arduino Disaster Relief Robot
Varun	Damarla	SER302	The Effects of Electroplating on the Electrical Output and Costs of Microbial Fuel

First Name	Last Name	Project Number	Project Title
Peer	Khan	SER302	The Effects of Electroplating on the Electrical Output and Costs of Microbial Fuel
Daniel	Wang	SER302	The Effects of Electroplating on the Electrical Output and Costs of Microbial Fuel
Jiangrong	Jia	SER303	Charging Into the Future
Gavin	Krebs	SER303	Charging Into the Future
Eugene	Haley	SER304	Orabelle - a Robotic Kitten for Alzheimers patients
Elise	Propst	SER304	Orabelle - a Robotic Kitten for Alzheimers patients
Bernadette	Batuncang	SER305	Hydraulic Prosthetic Hand Prototype
Melanie	Navaratna	SER305	Hydraulic Prosthetic Hand Prototype
Omar	Fahmy	SER306	A Phone Case that Can Charge
Muneeb	Kasi	SER306	A Phone Case that Can Charge
Jacob	Fraze	SER307	Fat Flights
Logan	Mock	SER307	Fat Flights
Daniela	Naumov	SMH100	Impact of Klotho Methylation and Sequence on TBI Outcomes
Eva	Mischler	SMH101	Determining the Effects of Biodegradation on ECM Hydrogels
Sean	Graves	SMH102	Inhibiting ATR Damage Pathway Enhances the Therapeutic Efficacy of Chemotherapy Drugs in Colorectal Cancer
Isha	Vyas	SMH103	Blood Pressure Monitors: Price versus Accuracy
Ashley	Pesarsick	SMH104	Are Artificial Sweeteners Too Sweet" for Diabetics?"
David	Ban	SMH105	Predicting Protein-Ligand Binding Using Deep Learning for Drug Discovery
Sari	Abu-Hamad	SMH106	Dendritic Cell Maturation and T cell Activation by the Microbiome of Anti-PD-1 Immunotherapy Responders and Nonresponders
Amber	Murphy	SMH107	Finding relationships between dental; physical; and mental health and the incidence of AIDS/HIV
Ava	Kiraly	SMH108	Antibiotic Resistance and P. Fluorescens
Paige	McMullen	SMH109	Resistance in Antibiotics vs. Natural Antibiotics
Alice	Hoover	SMH110	Lactose Free? No Whey.
Sakeena	Badrane	SMH111	Neutrophil extracellular traps (NETs) facilitate T cell exhaustion in the tumor microenvironment (TME)
Anand	Bhat	SMH112	The Effect of Maple Syrup Addition on Antibiotic Effectiveness Against E. coli and B. cereus
Arjun	Narayan	SMH113	Medication Overload: Perceptions of Low Value Prescribing

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Noelle	Hutchison	SMH114	Comparison of light microscopy and flow cytometry quantification of differential leukocytes in bronchoalveolar lavage (BAL) fluid from asthmatic lungs
Oluwatofunmi	Olaore	SMH115	EZH2 Mediated Histone Modifications Help Drive Formation of a Tumor Supporting CA-MSC Phenotype
Sachin	Thiagarajan	SMH116	Evolutionary pathway of bacterial resistance to antibiotics
Nick	Nedzesky	SMH117	The Role of Enzymes in Biofilm Inhibition
Marissa	Berzonsky	SMH118	Advil vs. Acetaminophen
Joshua	Kelly	SMH119	Rate of contamination once sterile packaging is opened after gamma irradiation or EtO sterilization.
Naga Riya	Boppudi	SMH120	Silent Killer - CVD
Ashley	Winnor	SMH121	Measuring the Antibiotic Sensitivity of E.Coli
Gabriella	Mason	SMH122	Cold remedies and tooth erosion
Erika	Rispoli	SMH123	The Effect of Geometric Complexity on Hydroxyapatite Crystal Growth in Computer-Generated Osteogenic Scaffolds
Viola	Haggerty	SMH124	Which Bacteria Can Develop the Best Antibiotic Resistance
Braden	Thomas	SMH126	The Effect of Coffee on Alzheimer's Disease
Abigail	Zeglen	SMH127	Flavors that kill!
Alexis	Chvala	SMH128	Effectiveness of Sunscreen
Rylee	Bernecky	SMH130	Red Ginseng vs.bacterial growth
Zehra	Mehdi	SMH131	Genetic Mutation in GPD1L Causes Inherited Arrhythmia and Sudden Death
Liam	Tinker	SMH132	Effect of Benzene on Cancer Cell Behavior
Claire	Zheng	SMH133	Cancer in Silico: Visual Simulation of Cancer Metastasis and Progression through Computational Analysis
Colton	Bartlebaugh	SMH134	Are your hands really clean?
Qingqing	Zhao	SMH135	A PD Related iPLA2B Mutant Fails to Hydrolyze Lipid Death Signal; 15-HpETE-PE: Relevance to Parkinson's Disease Pathogenesis
Kam	Chan	SMH136	Food Preservatives Effects On E-Coli Survivorship
Allison	Edwards	SMH137	The Effect of Guarana on Cancer Cell Lines
Lauren	Jacobs	SMH138	Water-Resistant Hearing Aid Cover
Jinwon	Jang	SMH139	The effect of Curcumin on A549 Lung Cancer Cells and further research on Curcimin relating to Immunology
Jeffrey	Ock	SMH140	Effects of Penicillin-classified drugs on caries and other oral conditions and

First Name	Last Name	Project Number	Project Title
Marcus	Waller	SMH141	Antibiotic Resistance of Pseudomonas Fluorescens
Jeremiah	Davis	SMH142	What natural cleanser source is most effective in killing common household pathogens?
Venkatesh	Subramanyam	SMH143	Determining the Absorbance Rate of Harmful Vaping Solutions
Meredith	Kelley	SMH144	Effects of Common E-cigarette Additives on Bacterial Growth
Nicole	Shigiltchoff	SMH145	Allorecognition in Hydractinia symbiolongicarpus: Determining the Loci of Genes Controlling Allorecognition in Addition to Alr1 and Alr2 Using Machine Learning
Brendan	Andersen	SMH146	Correlation between the development of cancer and various oral health aspects; including oral diseases and conditions
Alexis	Adams	SMH147	Are Natural Antibiotics Effective?
Jazmire	Yeyo	SMH148	The Effect of sound waves on bacteria growth
Kiara	Gilmore	SMH149	The Effect of Cleaning Products on Bacteria
Rajan	Reddy	SMH150	Activation of Pregnane X Receptor for Xenobiotic Detoxification: A Novel Approach to Targeting Pollution-Related Diseases
Catherine	Lee	SMH151	Correlation between Diabetes; Depression and Dental Health
Taylor	Bittinger	SMH300	All Dressed Up and No Heartbeat
Zachary	Hallenbeck	SMH300	All Dressed Up and No Heartbeat
Andrew	Ni	SMH301	Functional Genetic Biomarkers of Alzheimer%u2019s Disease And Gene Expression From Peripheral Blood
Amish	Sethi	SMH301	Functional Genetic Biomarkers of Alzheimer%u2019s Disease And Gene Expression From Peripheral Blood
Ava	Foster	SMH302	Teeth damage analysis within smokers and illicit drug users and correlations to health disorders
Katherine	Yanni	SMH302	Teeth damage analysis within smokers and illicit drug users and correlations to health disorders
Michael	Ryan	SPA100	Temperature vs. Golf Ball Elasticity
Jesse	Hilko	SPA101	Building a More Efficient Peltier Device
Benjamin	Ash	SPA102	Lasers and Holograms
Trent	Cockeram	SPA103	Magnets vs Car Accidents
Grant	Snyder	SPA104	Parking Spaces: Does the Angle Improve Efficiency
Austin	Livsey	SPA105	The Efficiency of Sound with Emergency Drones
Sam	Conti	SPA106	Magnetic Forces and Plants

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Meghan	Osekowski	SPA107	Impact Force and Its Effects on Dancers
Emily	Bennett	SPA108	The effect of Foam Density on Concussions
Nathan	Smith	SPA109	Muons
Kathryn	Huth	SPA110	Moon brightness and the star field around Polaris
Haley	Morgan	SPA111	Concrete vs. Asphalt
Rowan	Cain	SPA112	The Effect of the Radius of a Pipe on Flow Rate Applied to the Circulatory System
Autumn	Roney	SPA114	Protective Head Gear and Brain Trauma
Ayden	Miller	SPA115	Does temperature Affect A Drones Flight time?
Sarah	Seader	SPA116	Bullseye
Vishnu	Venugopal	SPA118	Fueling a Power Plant with Algae
Olivia	Wilhelm	SPA119	Seeing Red
Ethan	King	SPA120	Acoustic Properties of Different Insulating Materials
Eliott	Boselli	SPA121	Analysis of a Custom Wind Tunnel to Measure Aerodynamics
Patrick	Gorny	SPA122	What is the best foam for football helmets?
Thomas	Anand	SPA123	Skyfall! :)
Colten	Bachtel	SPA124	Kingpin
Raelyn	Bowser	SPA300	Kicking Under Pressure
Katlyn	Weimer	SPA300	Kicking Under Pressure