

HIGH SCHOOL February 2019						
Chemistry		AWARDS				
Rachel Stratton	Bisphenols: An Investigation of Baby Food Packaging	1				best in show consideration
Kaylee Zhu	Testing whether sulfate or sulfate-free shampoos maintain the color of dyed hair better		2			
Noelle Saylor	Which detergent is better at getting sweat stains out: Green vs General Laundry Detergent				HM	
Jared Reuben	Does the smoking point of oils effect how well it will work for popping popcorn?				HM	
Riva Dai and Frank Qin	The Mpemba Effect				HM	
Environmental Science						
Brittany Hanna and Scout Yokley	The Effects of Eutrophication on the Growth of Green Algae	1				SCISA consideration
Kaitlyn Adkins and Sarah Griz	Investigation of Runoff's Effects on Water Quality in Aquatic Environments		2			
Maddie Frank and Ella Alsko	Popular Sunscreen Brand Effects on Brine Shrimp			3		
Matthew Monts	Comparing the Productivity of a Beach Versus Estuary Environment				HM	

Thor Pullon	The Effects of Temperature on Paramecium Growth				HM	
Ella Tomita	Going Green - Evaluating How Different Amounts of Fertilizer Effect Freshwater Algae Fuel Production				HM	
Botany/Microbiology						
Maia Mureseanu	The effect of light on alcoholic fermentation using yeast	1				SCISA consideration
Avery Brothers	Is Bacterial Contamination of Food Related to Time of Exposure		2			
Matthew Eisinger	Disinfectants or antiseptics: which is more effective at killing bacteria?			3-TIE		
Grace Lanier	Bacteria is Killing Flowers: Make it Stop -Flowers and Stem Treatments for Antibiotics			3-TIE		
Michael Zhang	Effects of Carbon Dioxide on Plants				HM	
Haylee Hopman	Effect of Radiation on Living Plants				HM	
Annie Zhu	Germination of seeds using sodium polyacrylate to maintain soil moisture				HM	
Social and Behavior						

Ronnie Hou	Foraging Preference in Fire Ants	1				SCISA consideration
Ivannia Cardenas and Emily Britschge	Do Essential Oils Affect Concentration		2			
Paul Carrabba and Bradbury Kiser	Playing with your (Heart) Beats			3		
JT Herman	How does time affect memory?				HM	
Adam Levy	Can Video Games be Good for Your Brain?				HM	
Physics						
Emily Liu and Miranda Ge	Which Kind of Fabric Fit People's Skin the Most: How Friction affects Fit	1				
Lauren O'Dowd	How Temperature Effects the Bounce of a Tennis Ball		2			TIE
Lauren Waddles and Febe Bolona	How Temperature Effects the Bounce of a Tennis Ball		2			TIE
Zoology, Health, Medicine						
Lucas Tomita	Fight the Bite: Identifying Bacteria Commonly Found in the Oral Cavities of Sphyrna tiburo and Negaprion brevirostris Populations Native to Beaufort County, South Carolina, in Order to Determine Their Sensitivity to Different Antibiotics	1				best in show consideration
Beckett Jones	Roaches B Gone		2			

Haley Majors	Better Bandages - Testing the use of Egg Membranes as bandages			3		
Bailey Sullivan and Luke Herman	The Effect of Blue Light Therapy on Staph Infections				HM	
Aidan Potter	The Growth Rate of Nocturnal Desert Millipedes when exposed to different amounts of light.				HM	
Olivia Schmitt	Investigating the Effect of Horse's Diet on Their Poop				HM	
Engineering/Math/Computer Science						
Corrie Lemasters	Prototype for Real Time Hydration Monitoring Using BIA	1				best in show consideration
Steven Yang	Sorting Algorithm		2			
Heath Dutcher	Durability of Break Resistant Wine Glasses				HM	
Gracie Palumbo-Alkire	Make it or Break it: Creating a better package for make-up to prevent cracking				HM	
Sophia Burnett	Weight What happens to speed?				HM	
BEST IN SHOW						
1st:	Corrie Lemasters					Engineering
	Prototype for Real Time Hydration Monitoring Using BIA					
2nd- TIE	Rachel Stratton					
	Bisphenols: An Investigation of Baby Food Packaging					Physical Science
2nd- TIE	Lucas Tomita					

	Fight the Bite: Identifying Bacteria Commonly Found in the Oral Cavities of <i>Sphyrna tiburo</i> and <i>Negaprion brevirostris</i> Populations Native to Beaufort County, South Carolina, in Order to Determine Their Sensitivity to Different Antibiotics					Biological Science
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