

	A	B	C	D	E
1	2020 MDH Acceptances				
2	Student Last Name	Student First Name	Student Grade	Title	School Name
3	Ambati	Meenakshi	10	Triangulating Fluoxetine into a Novel Macular Degeneration Therapy via Biochemical, In Vivo & Big Data Approaches	Albemarle High School
4					
5	Xie	Eric	11	Impact of Folic Acid on RNA Methylation and Gene Expression - Implication of Folic Acid Influence on Autism Spectrum Disorder	Blacksburg High School
6	Miyazaki	Emi	11	Epigallocatechin Gallate Blunts Inflammation Stimulated by Tumor Necrosis Factor Alpha in Liver Sinusoidal Endothelial Cells under Varying Oxygen States	
7	Nussbaum	Lexi	11		
8					
9	Hensley	Karrie	12	The Effects of Nebulin-Related Anchoring Proteins on Congenital Muscular Dystrophy	Chesapeake Bay Governor's School
10	Loveland	Alayna	12	Assessing the Effectiveness of Dietary Enzyme Supplements on In Vitro Digestion of Dairy and Gluten Substrates	
11	Mills	Jessie	12	Getting to the Core: Effects of Exercise on Core Strength and Stability Among Teens	
12					
13	Hobbs	Aaron	11	The Effect of Exertion-induced Fatigue on the Reaction Times of Teenagers	Central Virginia Governor's School
14	Llewellyn	Emma	11	The Effect of Music Therapy in Different Displays of Behaviors In Patients with Dementia	
15	Lovelace	Ashleigh	11	Does Physical Activity Affect Anxiety Level in Teens?	
16	Myaing	Dylan	11	The Effect of Different Macronutrients on the Regeneration of <i>D. tigrina</i>	
17	Qi	Andrew	11	Ear Canal Shape and Its Impact on Sound Transmission to the Ear Drum at Various Frequencies	
18	Saleh	Jad	11	The Effect of Caffeine on the Growth of the Gut Microbiome	

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19	Salmon	Kathleen	11	The Effect of Zinc Sulphate on Cholera Infections, as Modeled by <i>Escherichia coli</i>	
20					
21	Hudson	Nadara	10	The Effect of Tampon Brand/Composition on Blood Substitute Absorption	Clover Hill High School
22	Wills	Emily	10	The Effect of Various Cooling Fabrics on Temperature Reduction in a Simulated Heated Environment Modeling the Human Body	
23					
24	Walts	Delaney	11	Staying Ahead of the Hit: Using <i>Drosophila melanogaster</i> as an Integrated Model to Elucidate the Neuropathology, Physiology, and Genetic Mechanisms Underlying Traumatic Brain Injury	Charles J. Colgan High School
25	Lateef	Shan	11		
26					
27	Adhvaryu	Ankita	11	The Effect of Various Dilutions of the Homeopathic Drug Arnica Montana on the Regeneration of Planaria	
28	Akkala	Haasita	11	The Effect of Hydraulic Force on the Efficiency of Oxygen-Rich Blood Pumped by the Cardiac Muscle	
29	Das	Shriya	9	The Effect of Ethylenediaminetetraacetic Acid and Vitamins on Chelating Calcium	
30	Groener	Yasmine	9	The Effect of Biomaterial Type on Performance Under Stress	
31	Hoelting	Nicholas	9	The Effect of Athletic Exertion on Blood Sugar over Time	
32	Kittur	Shrinidhi	11	The Activation of Somatostatin Interneurons adjacent to a Cortical Malformation	
33	Kurup	Rohan	9	The Effect of Different Wound Healing Agents on the Regeneration of Planaria	
34	Liu	Gwyneth	9	Near-Perfect Melanoma Diagnosis with Optimized Feature Learning and Classification	
35	Lodato	Brock	11	The Effect of Various Scents of Essential Oils on the Regeneration of <i>Dugesia Tigrina</i>	

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36	Pal	Shaily	10	The Effect of Rapamycin on the Regeneration of Planaria	Todd Allen Phillips Center for Medical Sciences at Godwin High School
37	Patanjali Babu	Ruthrapathy	10	The Effect of Laminariales Tincture on Capra aegagrus Hircus Hemolytic Serum	
38	Prakash	Siddhant	9	The Effect of Vape Serum on <i>Daphnia magna</i>	
39	Ramnani	Karuna	11	The Effect of Navitoclax on Senescent vs. Non-Senescent Cell Viability	
40	Rastegar	Elina	10	The Effect of Natural Antifungal Products on the Inhibition Rate of Yeast	
41	Reddy	Sahil	11	The Effect of Antibacterial Oils on Progression of Tooth Lesions	
42	Shah	Netra	9	Factors Affecting Flow Rate of Blood During Rapid Resuscitation	
43	Taylor	Ryan	10	The Effect of Humectants on Moisture Level of Agar Gel (epidermis model)	
44	Vaidyanathan	Ashish	11	Investigating Amalgamations of NURF Knockdown and Chemotherapies Through Metabolic Deviations in Tumor Cells	
45	Wang	Jalen	11	Improving Cancer Cell Sensitivity to Immunotherapy by Targeting Fatty Acid Oxidation	
46	Yang	Rose	10	The Effect of Aconitum napellus Concentration on <i>Daphnia magna</i> (BPM)	
47	Yuan	Aaron	10	The Effect of Gaspings on Resuscitation in a Rat Model of Cardiac Arrest	
48					
49	Ashar	Perisa	11	Discovery of Novel Exosomal miRNAs for Lung Cancers: Development of a Biomarker Panel for Treatment and Rapid Identification of Lung Cancer by Blood Tests	Maggie L. Walker Governor's School
50					
51	Yercel	Mehtap	12	The Correlation Between Depression and Anxiety Screenings	The Mathematics and Science Academy at Ocean Lakes High School
52					

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53	Johnson	Jazmin	9	The Effect of pH on the Dissolving of Two Specific Pills	Patrick Henry High School
54					
55	Collett	Katelyn	11	Association of IL-33 Polymorphisms with Reported Reaction Severity to Urushiol	Southwest Virginia Governor's School
56					
57	Vinay	Samhita	10	Investigating the Role of Thiamine in the Epileptic Activity of the <i>Drosophila melanogaster</i>	Thomas Jefferson High School for Science and Technology
58	Yalamanchili	Keertana	10		
59	Subramanian	Varshini	10		
60					
61	Kotha	Aditya	11	Deletion of the Akt2 Kinase Reveals Sex-specific Roles in Allergic Inflammation	John Randolph Tucker High School
62					
63	Cunningham	Charlotte	10	The Effect of IDDSI Testing on Milk Fat Type of Commercial Kefir with Applications for Dysphagia Patients	Washington-Liberty High School
64	Donovan	Cooper	10	The Effect of Screen Time on Neck Range of Motion	
65	Wilson	Kyle	10		
66	McAndrew	Rory	9	The Effect of an Activity Done Before Bed on the Quality and Quantity of Sleep	
67	Doherty	Gillian	10		
68					
69	Newman	Sarah	9	The Effect of Chemicals on Eroded Tooth Enamel's Change in Mass	Yorktown High School

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70	Sinha	Ameya	11	The Genetic Basis for Personalized Medicine, Why Medications Don't Have the Same Response in All People	Yorktown High School