

	A	B	C	D	E
1	2020 ENV Acceptances				
2	Student Last Name	Student First Name	Student Grade	Title	School Name
3	O'MALLEY	FRANCES	9	The Effect of Different Soil Sites on the Amount of Organic Carbon	Arlington Tech @ Career Center
4	NEUREITER	LAURA	9		
5	ODAR	FINLEY	9		
6					
7	Shen	Grace	11	The Effects of Storm Intensity on the Filtration of Microplastics from Sediment	Blacksburg High School
8					

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9	Andrews	Caroline	12	Effects of Salinity and Turbidity on Density and Growth of <i>Phragmites australis</i> and <i>Spartina patens</i>	Chesapeake Bay Governor's School
10	Arbogast	Beverley	12	An Evaluation of Morgantown, Maryland's Coal-fired Power Plant's Effects on Water Quality in the Potomac	
11	Ayala-Amaya	Rodrigo	12	The Effects of Runoff and Location on Nitrate and Phosphate Concentrations in Ponds	
12	Balderson	Brian	12	Combatting Climate Change: Affect of Root Stimulant on the Production of Root Biomass	
13	Bristow	Kayleigh	12	Aroma in the Stoma	
14	Cooper	Cassidy	12	The Effect of Local Crop Type and Soil Grain Size on Water Quality in Small Streams	
15	Frank	Kristen	12	Assessing Oyster Reef Restoration and its Effect on Nearby Oyster Spat Recruitment	
16	Funk	Sierra	12	Observations on Tidal Currents and Circulation in Urbanna Creek	
17	Gilsinan	Caela	12	Can Oyster Aquaculture Provide High Quality Habitat in the Chesapeake Bay?	
18	Hopewell	Avianna	12	Water Quality Differences on the Upstream versus Downstream Sides of Beaver Ponds	
19	Jett	Anna	12	The Effect of pH Change on the Luminescence of Bioluminescent Phytoplankton	
20	Pitts	Channing	12	Field Study of Possible Water Quality Impacts of a Paper Mill on the York River	
21	Reeves	Calvin	12	Particulate Air Pollution in the Virginia Airshed	
22	Shryock	Hazen	12	Them Dam Beavers: The Effect of Beaver Dams on a Stream Ecosystem	
23	Sisson	Alice	12	Location Influence on Bacteria Prescence and Diversity in Water	
24	Smith	Elissa	12	The Influence of Paper Mill Point Source Effluent on the Mattaponi/Pamunkey River System	

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25	Smith	Elizabeth	12	The Effect of Algaecide on Lake Renewal and Improvements in Water Quality	
26	Stone	Patrick	12	Large Scale Climate Oscillations' Effect on River Discharge in the Chesapeake Bay Watershed	
27	Worrell	Josie	12	Vegetation Density Preferences of Common Killifish (<i>Fundulus heteroclitus</i>)	
28	Yocum	Jordan	12	A Comparison of the Biodiversity and Species Richness of Bird Species in Native and Invasive Habitats	
29	Engel	Wyatt	12	A Comparison of Copper Levels in Fish Livers and Gills for Two Separate Locations in Chesapeake Bay	
30	Pettigrew	Kyle	12		
31	Moss	Kelsey	12	The Breadth and Bulk of Blue Crabs in the Bay	
32	O'Bier	Chloey	12		
33					
34	Allen	Eden	11	The Effect of Plant Xylem on Water Quality	
35	Bankston	Benjamin	11	Comparing Microplastic Presence in both Indoor and Outdoor Environments	
36	Castro	Lillian	11	Strength and Degradability of Starch Derived Polymers	
37	Eby	Brooke	11	Evaluation of Heavy Metal Remediation Capabilities of <i>Agaricus bisporus</i>	
38	Hernandez	Laura	11	The Effect of Paper Waste on the Growth of <i>Schedonorus arundinaceus</i> , <i>Lolium perenne</i> , and <i>Cynodon dactylon</i>	
39	Hubbard	Joshua	11	The Effect of <i>Oscillatoria</i> sp., <i>Anabaena</i> sp., and <i>Ankistrodesmus</i> sp. on Arsenic Contamination in Water	
40	Jackson	Arielle	11	Comparing Agricultural Waste Products for Use in Bioethanol	

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41	Lankford	William	11	The Effects of a Paper Plant on the Water Quality of a River	
42	Lipscomb	Thomas	11	The Effect of Lead Acetate on the Germination of <i>H. annuus</i>	
43	Smallshaw	Charles	11	The Effects of Diammonium Phosphate, Urea, and Potassium Chloride on the Growth of <i>Scenedesmus spinosus</i> .	
44					
45	Middleton	Skylar	10	The Effect of Air Pollution on Radish Growth	Clover Hill High School
46	Klotz	Caroline	10	The Effect of Quicklime Concentration on the Swelling Potential of Expansive Soils	
47	Pham	Mallory	10	The Effect of Oxybenzone Concentrations on the Reproduction Rate of Chlorophyta (Green Algae)	
48	Shearman	Sophie	10	The Effect of Nanosilver on the Death Rate of <i>Lymnaea stagnalis</i>	
49					
50	Akins	Madelyn	11	The Effect of Saltwater Acidity on <i>Zostera marina</i> Growth	
51	Christensen	Andrew	9	The Effect of Ocean Acidification on Ocean Bivalves	
52	Chung	Brandon	10	The Effect of Various Colloids on the Turbidity of Water	
53	Dharanikota	Abhay	11	The Application of Various Hydroxide Treatments to Increase Plastic Waste Ratio as a Substitute for Sand in Concrete Solutions	
54	He	Estelle	10	The Effect of Natural Coagulants on the Turbidity of Water	
55	Morris	Carter	11	The Effect of Iron on the Photosynthesis of Cyanobacteria at Various Temperatures	
56	Newman	Robert	11	A Study of Soil Composition on the Electrical Voltage Output from a Microbial Fuel Cell	

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57	Rayala	Rithvik	10	The Effect of Different Dyes on the Voltage Produced by Dye Sensitized Solar Cells	Todd Allen Phillips Center for Medical Sciences at Godwin High School
58	Sen	Rishav	9	The Effect of pH on the Root Mass of Raphanus Raphanistrum Sativus	
59	Shanmugan	Shreya	9	The Effect of OTC Drug Type on Daphnia magna	
60	Stevenson	Nate	10	The Effect of Various Concentrations of a Nitrogen-Based Fertilizer on Algal Depletion of Dissolved Oxygen	
61	Tiwari	Neil	11	The Effect of Polymer with a Styrene Backbone on Dissolution Rate in Various Polystyrene Solvents.	
62	Trutia	Diana	9	The Effect of Aquatic Plants on the pH of Water	
63	Tuckley	Evan	10	The Effect of Alternative Methods of Water Purification on Bacteria and its Overall Potability	
64	Wirtu	Hanna	10	The Effect of Varying Antioxidants on the Survival Time of Brine Shrimp	
65	Yang	Joanne	10	The Effect of Thlaspi arvense on the Amount of Zinc Within from Phytoremediation	
66					
67	Webb	Trinity	12	Is Tornado Alley Moving?	The Mathematics and Science Academy at Ocean Lakes High School
68					
69	Cessna	Iris	12	Sub-alpine Forest Movement Dynamics in High Elevation Colorado	Massanutten Regional Governor's School for Integrated Environmental Science and Technology
70	Deloney	Sarah	12	Microfossils in Mammoth and Mastodon Dental Plaques as an Indicator of Diet	
71					
72	Pickens	Mya	10	The Effects of Location on Air Pollution	Portsmouth STEM @ I.C. Norcom High School

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73					
74	Brown	Madison	10	An Arsenic Filtration Mechanism Using a 3D Bioprinted Cysteine and Silicon Carbide Model	Roanoke Valley Governor's School for Science & Technology
75	Iyer	Adithya (Adi)	11	Utilization of Bacterial Cellulose as a Platform for Methylene Blue Detection and Adsorption	
76	Paige	London	11	The Effect of Bishpenols A, F, and S on the Development and Reproduction of Caenorhabitis elegans	
77	Fuentes	Melany	12	Testing the Ability of Barbieri to Bioremediate Dissolved Lead and Copper	Southwest Virginia Governor's School
78	Worrell	Virginia	12	Determining the Toxicological Effects of Polyurethane Foam and Complex Leachate on Artemia Nauplii	
79	Greer	Emma Kate	11	Phytoremediation of Lead (II) Nitrate by Mosses Collected from Roanoke, Virginia	Roanoke Valley Governor's School for Science & Technology
80	Murphy	Fiona	10		
81	Chen	Catherine	10	A Comparison of Muscari neglectum Starch to Corn and Rice Starches in Starch-Based Bioplastics	
82	Zheng	Michelle	10		
83	Day	Haley	10	Using Bioprinted Algae Structures to Determine Which Algae Species is Most Effective at Removing Nitrates	
84	Kelly	Kendall	12		
85	Patel	Dhruvi	10		
86					
87	Papacosma	Charlotte	9	Effect of Urban Water Cycle on Microplastic Counts: An Arlington Case Study	Wakefield High School
88					

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89	Bolejack	Anna	9	The Effect of the Topography of the Slope on the Magnitude of the Landslide	Washington-Liberty
90	Coderre	Elisabeth	9	The Effect of Growth Stimulants on Duckweed Growth	
91	Cooper	Kaitlyn	9	The Effect of Different Methods of Water Filtration on Turbid, Contaminated Water from a Variety of Different Sources.	
92	Cummins	Henry	9	Level of Contaminants in Arlington Public Schools' Drinking Water.	
93	Estevao	Rebecca	9	The Effect of the Types of Detergent in Water on the Amount of Seeds that Germinate	
94	Felker	Kara	9	The Effect of Type of Biodegradable Plastic on Amount of Biodegradation in a Given Amount of Time	
95	Goodell	Andrea	10	The Effect of the Active Ingredient in Sunscreen on the Heart Rate of Daphnia	
96	Kant	Abby	9	The Effect of Different Types of Neutralizers on the Growth of Radishes Over 21 Days	
97	Krajicek	Caroline	9	The Effect of Rising Sea Surface Temperatures on the Intensity of Hurricanes in the Gulf of Mexico from 1996-2018	
98	Krohl	Brady	9	The Effect of Acid Rain on Macroinvertebrate Populations	
99	Lomas	Juliana	9	The Effect of Over-the-Counter Medications on the Heart Rate of Daphnia	
100	Moo	Lillian	9	Effect of Different Rates of Aeration on Temperature of Compost	
101	Muldowney	Tessa	9	The Effect of Eco-Friendly and Non-Eco-Friendly Car Soaps on the Height of Grass	
102	Odenwelder	Lily	10	The Effect of the Concentration of Nitrogen in Fertilizer on the Average Length of Leaves and Number of Leaves per Plant	
103	Potts	Ellie	9	The Effect of Different Types of Filtration of the TDS of Freshwater	
104	Ruiz	Estee	9	The Effect of Natural Greywater Filtration Methods on the Survival Rate of Worms	

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105	Sahm	Amelia	9	The Effect of Socioeconomic Status' of Arlington Zip Codes on Positive Lead Samples (400ppm) in Public Elementary Schools	
106					
107	Bernhardt	William	11	Stormwater Simulations: A Solution to Stormwater Pollution	Yorktown High School
108	Feist	Haylee	11		