

| | A | B | C | D | E |
|---|-----------------------------|--------------------|---------------|---|--------------------------------|
| 1 | 2020 EGR Acceptances | | | | |
| 2 | Student Last Name | Student First Name | Student Grade | Title | School Name |
| 3 | SANCHEZ | RAPHAEL | 9 | The Effect of Different Types of Damping Systems on Buildings Affected by Vortex Shedding | Arlington Tech @ Career Center |
| 4 | | | | | |

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| 2 | Student Last Name | Student First Name | Student Grade | Title | School Name |
| 5 | Myers IV | Henry | 12 | The Structure of a Quadcopter Drone under Crash Conditions | Blacksburg High School |
| 6 | Utzingler | Shayla | 12 | Analysis of the Pressure Distribution of Differing Strap Widths and Tension of Backpacking Hammock Straps | |
| 7 | | | | | |
| 8 | Brame | Annabelle | 12 | The Sustainability and Environmental Impact of the Fashion Industry | Chesapeake Bay Governor's School |
| 9 | Slack | Mary-Stuart | 12 | The Relationship Between Angles and Lamé Material on Fencing Hit Frequencies | |
| 10 | | | | | |
| 11 | Arthur | Buck | 11 | The Effect of Various Cushioning Materials on the Pliancy of a Running Surface Over Time | Central Virginia Governor's School |
| 12 | Clarke | Aaron | 11 | The Effect of Highly Heat Conductive Thermal Interface Materials on Processors with High Thermal Design Power | |
| 13 | Duis | Will | 11 | The Effect of Music Composition Software on Perceived Listenability | |
| 14 | Ham | Jenny | 11 | Convolutional Neural Network Applied to Edible Plant Leaf Recognition | |
| 15 | Hartless | Samuel | 11 | The Effect of Mast Rake on Aerodynamic Efficiency of a Single-Sail Sailboat | |
| 16 | Hite | Samuel | 11 | The Effect of Polyethylene Plastic on Compressive Strength of Asphalt | |
| 17 | Kricheldorf | Michael | 11 | Comparing Computer and Human Analysis of Deceptive Text | |
| 18 | Merholz | Steven | 11 | The Effect of Pozzolan Additives on the Compressional Strength of Concrete | |
| 19 | Pitzer | Preston | 11 | The Effect of Memory Speed on Inter-Chiplet Cache Latency in 2000 Series Ryzen Processers | |

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| 20 | Ploch | Wolfgang | 11 | Testing for the Effectiveness of Different Solar Tracker Designs | |
| 21 | Smith | Faith | 11 | The Maximum Air Flow Rate through Different Sized 3D Printed Noses | |
| 22 | Trost | Randy | 11 | The Effect of Extreme Temperature on Shin Guard Efficiency | |
| 23 | | | | | |
| 24 | Adamek | Tristan | 10 | The Effect of Household Recyclables on Heat Insulation Effectiveness | Clover Hill High School |
| 25 | Appiah-Yeboah | Amanda | 10 | The Effect of Room Dimensions on Sound Absorption | |
| 26 | Chaudry | Sia | 10 | The Effect of Tennis String Tension on the Accuracy of a Backhand | |
| 27 | Garber | Melanie | 10 | The Effect of Wire Direction on a Fog Harvester on Fog Water Collection | |
| 28 | Sanders | Whitt | 10 | The Effect of Remaining Space on the Reading and Writing Speeds of a Solid State Drive | |
| 29 | | | | | |
| 30 | Lee | Jin sun | 9 | Are All Computer Languages the Same? Empirical Comparisons of Three Languages | Douglas Southall Freeman High School |
| 31 | | | | | |
| 32 | Coffman | Alex | 10 | The Effect of Wing Design on Load Factor of Aircraft | |
| 33 | Hamilton | Charles | 11 | Bio-Bike: A Novel, Injection Molded Cargo Bicycle Designed Using AI Based Generative Design | |
| 34 | Nallapaneni | NamitChandra | 10 | The Effect of Wind Turbine Design on Cost Efficiency | |

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| 2 | Student Last Name | Student First Name | Student Grade | Title | School Name |
| 35 | Puritz | Annabel | 10 | The Effect of Heating Thermoplastics on Tensile Strength | Todd Allen Phillips Center for Medical Sciences at Godwin High School |
| 36 | Sarangi | Roshan | 10 | Effect of Titanium Dioxide on Solar Cell Energy Output | |
| 37 | Sheriff | Fareed | 11 | Deep Convolutional Neural Networks for Atomization Energy Prediction using Coulomb Matrices | |
| 38 | Song | Ryan | 12 | The Effect of Fin Configuration on Rocket Aerodynamics | |
| 39 | | | | | |
| 40 | Hermes | Henry | 12 | Studying the Lift/Drag Ratios of Experimental World War 2 Aircraft | Harrisonburg High School |
| 41 | McLeod | Jadelin | 12 | The Comparative Stab Resistance of Two Chainmail Weaves | |
| 42 | Shirkey | George | 12 | Effects of Mooring Systems on Wave Energy Converter Efficiency | |
| 43 | Smith | Jaylin | 12 | Reducing Lithium Ion Battery Fade in Phones | |
| 44 | Swift | Ethan | 12 | | |
| 45 | Alexiou | Stella | 11 | Engineering a Sustainable Source of Fuel for the Nasaruni Academy for Maasai Girls | |
| 46 | Shulgun | Thomas | 11 | | |
| 47 | Hotckiss | Jackson | 12 | United Sound Rhythm Assistant | |
| 48 | Seefried | Jacob | 12 | | |
| 49 | | | | | |

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| 2 | Student Last Name | Student First Name | Student Grade | Title | School Name |
| 50 | Tadigadapa | Manaswini | 12 | Effect of Different Mass to Length Ratios (mm/mg) on the Mechanical Properties of Polycaprolactone (PCL) Scaffolds | Henrico High School |
| 51 | | | | | |
| 52 | Bock | Kaden | 12 | The Efficacy of Learning Algorithms in Software for Niche Businesses | The Mathematics and Science Academy at Ocean Lakes High School |
| 53 | Dimitrova | Denitsa | 12 | Automatic Power Factor Corrector | |
| 54 | Gorman | Emma | 12 | Engaging Everyone in Electrical Energy Conservation | |
| 55 | Gray | Shelbie | 12 | Christmas Under the Sea: Creating a Coral Sustaining Habitat | |
| 56 | Ivanov | Emil | 12 | Raspberry Pi Mars Rover: The Electromagnetic Claw | |
| 57 | | | | | |
| 58 | Haight | Joshalyn | 9 | The Effects of Wind Turbine Blade Shape on Energy Generated | Portsmouth STEM @ I.C. Norcom High School |
| 59 | | | | | |
| 60 | Bryant | Ella | 10 | Using Python and OpenCV to Create a Real Time American Sign Language Gesture Translator | Roanoke Valley Governor's School for Science & Technology |
| 61 | Hinchy | Holly | 10 | | |
| 62 | | | | | |
| 63 | Case | Curtis | 12 | Examining Rates of Rowhammer-Type Errors Between Manufacturers of DRAM Chips | Southwest Virginia Governor's School |
| 64 | | | | | |

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| 65 | Jones | Amelia | 9 | Creating a Micro-Hydropower Downspout | TC Williams High School |
| 66 | | | | | |
| 67 | Bierman | Jonah | 9 | The Effect of Common Building Materials on the Strength of a Wi-Fi Signal | Washington-Liberty High School |
| 68 | Colucia | Caroline | 9 | The Effect of Machine Learning on Reducing the Chance of Taking the Wrong Medicine | |
| 69 | Rahman | Mahia | 11 | Single-cell Analysis of Megakaryoblasts by Laser Ablation Electrospray Ionization Mass Spectrometry and Automated Image Processing with Object Recognition | |
| 70 | Sharma | Ambica | 9 | The Effect of the Shape and Material of a Solar Panel on Thermal Energy Generated | |
| 71 | Dertke | Michael | 10 | The Effect of Different Building Materials and Internet Frequencies on WiFi Strength | |
| 72 | Bablu | Fardeen | 10 | | |
| 73 | | | | | |
| 74 | Evans | Jack | 11 | The Effect of Coating Material on Radar Return | Yorktown High School |