

Project List

2017 Connecticut Science & Engineering Fair

Project Number	Title	Technical Disciplines selected by student
1001	How Sweet Is It?	BI CH ME
1002	Is "non-toxic" dish detergent safe for the environment?	PS EA
1003	Test Methods	BE
1004	Strawberry vs Aloe	PS EA EV
1005	Vulnerability of a Human's Internal Rhythm	BE ME
1006	The effect of different materials used as a filter on the purity of water	ME AT
1007	Dancing Plants	PS
1008	Teething you the truth	ME
1009	Seaweed & Tsunamis	EA EM EM
1010	Food Energy - Calorimeter	ME
1011	Which Household or Home-Made Cleaner Best Prevents Bacteria Growth.	BI EM
1012	Clean!... Chemical Free!...Protect your family!	CH EA
1013	Acid rain vs. algae	AS PS PS
1014	Extracting DNA from fruit	PS CB
1015	Can You Cope With Your Dish Soap?	CH BI EN
1016	How do Brine Shrimp Hatch in different Ph?	CB EV
1017	Oil Effect On Aquatic Plants	EA PS EV
2001	The Effect of Petroleum Products on the Growth of Ramshorn Snails (Planorbis Rebrum)	AS EV
2002	How many bacteria are on door knobs?	MI
2003	Baking Soda Experiment	CH
2004	Mold? Food? Time	ME MI
2005	"Watts" the efficiency of solar cells?	ET EE PH
2006	Strength in numbers	EN
2007	The Effects of X-ray Radiation on Yeast	CB MI PS
2008	What Level of Acidity Is Best for Growing Simple Plants?	PS EA EM
2009	Don't Get Hooked!	ME BE
2010	How Does Microwave Radiation Affect Organisms?	EV AS PS
2011	How Different Colored Lights Impact Plant Growth	PS
2012	BITE BRIGHT a Natural Tooth Paste	ME
2013	how age affects memory	BE
2014	Which Bioplastic is more Elastic	EM EV
2015	Secret Life of Trees on Sweet Birch Dr.	PS
2016	Larva -B-Gone: A Safer Way To Eliminate The Threat of Zika and Other Mosquito Borne Diseases	EM PS ME
2017	Hitting All the Right Notes: Unlocking the Formula to Oscar-Winning Original Songs	BE MA
2018	Hydroponics - A World Without Dirt	PS
2019	Rethink your drink	CB
2020	pH Filtered Mussels	AS EA EV
2021	Can Pseudomonas putida purify the air by biodegrading volatile organic compounds ?	MI EV ME
2022	Green Tea: A Simple Solution for a Bananas Problem?	PS
2023	Is That Granite Radioactive?	EV
2024	Artificial Turf	EV EM ME
2025	An Analysis of Nitrogen and Phosphate Fertilizer on Algae Growth	PS EM EV
2026	The effect of music on memory	BE ME

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2027	The Effect of an Acidic Environment on Flower Seed Germination	PS BI EM
2028	THE INVESTIGATION OF ACIDITY ON ZEBRA MUSSEL SHELLS DRIESSENA POLYMORPHA	EA AS EM
2029	The Effects Of Weather On Warblers in Pomfret Ct	EV EA
2030	Extracting Carbohydrates From Tubers	PS BI
2031	WHICH HEALTHY SNACK HAS THE MOST DNA?	BI
2032	Eco-Friendly Preservation of Vegetables	ME BI EM
2033	Pharmaceuticals In Our Water: How Can These Hazardous Chemicals Be Filtered?	EV ME
2034	Accelerating Plant Growth	PS EA EV
2035	Meat Eater	BI CH
2036	Which drinks are worst for your teeth.	ME EV CH
2037	Earth, Water, Flora: Reducing Soil Erosion	PS
2501	Hydroponics: Floating or Flowing?	PS EV
2502	The Effects of Smell Loss From Perfume Based on Age	CH CB BI
2503	Sodium Polyacrylate's affect on plant growth	BI
2504	A Novel Method for Oil Spill Cleanup Using Biomass	EV EM EA
2505	Ecological Refrigerator	EV
2506	Are You Throwing Away Your Money?	PH EE
2507	Hydroponics vs Soil Gardening	EA PS
2508	Lights! Beans! Action!	PS
2509	Growin' in the Wind	PS EV EM
2510	How do Different Types of Street Lights Impact Our Environment and What is the Safest Way to Illuminate Our Streets?	EV EM AT
2511	How age affects short term memory	BE
2512	Digesting Medication	ME
2513	Hydroponics vs. Fogponics	PS EM
2514	Bacteria Morphology and Concentration in yogurt	MI ME
2515	What Type of Grass is the Most Beneficial in Arid Drought Environment?	PS EA
2516	Homemade RC Plane	EE AT
2517	Will It Decay Or Stay? (The decay of organic matter)	PS EM EV
2518	Fantastic Fertilizer	PS
2519	Is That Enough Salt for You?	AS EV BE
2520	Do the Eyes Have It?	BE EV
2521	How does different pill substances affect a fruits physical appearance?	ME BI
2522	Antacid Potency	CH
2523	Cognitive Tests in Games	BE
2524	What effect does surface temperature have on fingerprints?	EV
2525	How Much Sugar Are You Drinking?	EM
2526	Sweet Smarts!	ME PS ME
2527	Effects of Commonly Used Fertilizers on Decomposition	EA EV
2528	The affect of Roundup on GMO plants versus wild grown plants	PS EA EV
2529	Convential v. Organic Fruit	CH ME PS
2530	Bacterial Growth	CB MI ME

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Project Number	Title	Technical Disciplines selected by student
2531	Does Intra-articular Hip Steroid Injection Increase The Rate of Infection With Subsequent Total Hip Replacement Surgery?	ME
2532	How does the ratio of gala apple DNA to winesap apple DNA increase the speed the plants grow at?	PS
2533	The Effect of Martian Regolith on Vegetable Germination for Extra Terrestrial Colonization	PS
2534	The Effects of Food on Breeding Xiphophorus Hellerii	AS EV BE
2535	The Effects of Music on Memory	BE
2536	Love Me Tender	CB
2537	Testing CNT (Carbon Nanotubes) to filter E. coli Infected Water Samples	CB EN
2538	How does the sugar content of a banana changeover time?	PS
2539	Phototropism: In Indoor Germinated Seedlings	PS
2540	What Synthetic Leaf Material Soaked in a Chemical Absorbs CO2 the Best, and How Can We Use this to Advance Air Filtration	PS
2541	Well Water vs Tap Water and its Effect on Plant Growth	EM
3001	Investigating Murine Humoral Responses to Tick-borne Pathogens to Develop a Confirmatory Diagnostic Tool	ME MI
3002	The Effect of Collect Nutrient Powder on Mus Musculus Lewis Lung Carcinoma Cell Confluence, Viability and Growth Rate	CB ME BI
3003	The Investigation of Electrolytes	CH BI ME
3004	The Ameliorating Effects of Biochar and Fertilizers on the Amount of Organic Matter and Organic Carbon in Native Connecticut Soil	PS EV EM
3005	Bioassay investigation of organic and chemical fertilizers with Daphnia and Tardigrades	EV EM MI
3006	Dissecting the role of Desmosterol in regulating macrophage immune activation during atherogenesis	ME MI CB
3007	Control of Mosquitoes Causing the Zika Virus and Dengue Fever Using Entomopathogenic Nematodes and Fungi to Reduce the Threat of Disease.	EM ME MI
3008	Leg Exoskeleton for Patient With Osteogenesis Imperfecta to Help Prevent Bone Fractures	EN ME
3009	Mobile Devices Effect on Proxemics	BE
3010	Rapid Colorimetric Field Monitoring System for Zika Virus in Mosquito Populations via DNAzyme-Functionalized Gold Nanoparticles	ME BI
3011	The Effect of Plasmid on the Transformation Efficiency of Component Escherichia Coli (E. coli)	CB ME MI
3012	Self Defogging Ski Goggles	EE
3013	Formulation of Gelatin-Hyaluronic Acid Blend Cross-Linked Gels for Potential Tissue Applications: Cost-Effective, Patient Specific, Alternative Treatment of Labral Tears of the	ME EN
3014	Examining variation in immunity genes of bananas of different geographic regions through genotyping	PS CB
3015	An Investigation of Natural Alternatives to Chlorine When Treating Microbial-Contaminated Water	EV ME CB
3016	The Use of Copepods as a Mosquito Control System	EM AS AT
3017	What is Artificial Intelligence? Meta-analysis of the future of Artificial Intelligence. Predicting the future of Artificial Intelligence using previous data and history.	CS
3018	IgM Expands Regulatory T Cells and Demonstrates Therapeutic Potential for Type 1 Diabetes	CB ME
3019	Correlations Between Make-up Applications and Bacteria Densities	MI ME BI
3020	The Comparison of Metal Absorption of Microparticles from Various Face Washes	MI EA BI
3021	The Effect of Different Species of Coprophagous Arthropods on the Reduction of Methane Production from Feces	EV AS EM
3022	The effects of environmental factors on overexpressed tau genes in Drosophila Melanogaster in regards to neurodegeneration	ME CB
3023	INTERACTION BETWEEN HDM2 AND THE UBL3 DOMAIN OF USP7	CB BI

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Project Number	Title	Technical Disciplines selected by student
3024	The Effects of Blue Light Technology on the Circadian Rhythms of Adolescents	ME BE
3025	Novel Active Immunization Approach for Preventing Substance Addiction via High Density Trypanosoma brucei Variant Surface Glycoprotein Arrays	CB ME BI
3026	Cognitive Strengths and Weaknesses of Adults with Reading Disabilities	BE
3027	Determining Genetic Mutations in Gitelman Syndrome	ME
3028	The Future of Bio-Sand Filtration Systems: The Incorporation of Water Hyacinths (Eicchornia Crassipes) To Remove Arsenic in Contaminated Drinking Water	EV CH PS
3029	Raynaud's Phenomenon Noninvasive Treatment Through Natural Breathing and Meditation Techniques	ME
3030	Bio-Desalination Using Halophyte Transpiration to Create a Sustainable Clean Water Source	PS EN EM
3031	The Effect of Bezafibrate Treatment on a Drosophila melanogaster Model of LCHAD Deficiency	CB ME
3032	Crowd-Sourced Detection and Mapping of Nitrate Water Pollutants via a Mobile Web-Based Image Analysis System	EV AT
3033	Shell Shock The Effects of Ocean Acidification on Shelled Marine Organisms	BI EM MI
3034	What is the Effect of Different Concentrations of Salinity on the Growth of Grass?	PS
3035	IDENTIFYING SMALL MOLECULE TRANSLATION SYNTHESIS PATHWAY INHIBITORS TARGETING REV1-CT PROTEIN-PROTEIN INTERACTION	ME BI
3036	4,2-Dichlorophenoxyacetic acids influence on production of soft tissue sarcoma within Rodent Skeletal muscle.	CB ME
3037	The Effect of Beta- Amyloid Proteins in Fighting Off Infection in a C. Elegans Model with a Green Fluorescent Protein Detection Method in Correlation with Alzheimer's Disease	CB ME MI
3038	An Investigation on the Potency of Sunscreen in Protecting Against UV Rays	ME
3039	The Difference in Genetic Modification Levels and the 'Healthiness' of Apples Measured in Vitamin C Concentration	PS ME CH
3040	An Investigation of Halophilic Microbes to Bio-remediate Brine Backflow in Soil Adjacent to Hydraulic Fracking Wells	EM BI MI
3041	A Novel Approach to the Ease and Accessibility of Early Detection of Chronic Kidney Disease (CKD) to Prevent Onset of End Stage Renal Disorder Through Examination of	ME CH BI
3042	Genomic Analysis of Osteosarcoma to Identify Novel Key Regulatory Pathways in Tumorigenesis	CB ME
3043	Cilantro and plants with ester functional groups purify copper(II) from water	EM CH PS
3044	Patterns in the Overall Performance of Baseball Players at Different Positions	MA
3045	The Effect of Hormone Stimulation of Planarian Regeneration	BI
3046	Effective Nutrient Source on Growth of Mint Lettuce	PS EV EM
3047	The Role of Rigosertib Treatment in the Expression and Localization of RASSF1 in RASSF1 Transfected Cancer Cells	ME CH
3048	Food Recycler	PH MA
3049	The Effect of Time on Bacteria Growth on Books	CB ME EM
3050	The Effect of Sleep Deprivation on Verbal and Visual Memory Retention in High School Adolescents	ME BE MA
3051	Starch in leaves.	PS EV
3052	Flu Induced Alterations In Muscle Cytokine Expression Due To Aging	CB ME AS
3053	The Effect of Oldenlandia diffusa on the Growth and Proliferation of Mouse Lewis Lung Cancer Cells	CB
3054	Effects of bromelain on raw ground beef.	CH
3055	The Effect of Oxidative Stressors on Cultured Epithelial Lung Cells	CB BI ME
3056	Cellular Cultivation Matrix Created from Collagen Found in Starfish	CB BI

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3057	Effect of Ground Nutmeg and Clove and their Essential Oil on the Growth of <i>Lactococcus lactis</i>	CB
3058	An Application that Teaches the Fundamentals of Programming in Java	CS AT
3059	Service Use in Autism Spectrum Disorder: Limits on and Challenges of Health Services and Service Dissatisfaction among Adults with Autism	ME BE
3060	Cost-Effective, Portable Paper-Based Diagnosis of Alzheimer's Disease: Targeting A β Oligomers Using Curcumin-PLGA-Ceria Nanoconjugates as Artificial Biomarkers	ME BI EN
3061	The Influence of Wildebeest Carcass Inputs on the Diet of Fish in the Mara River	EM EV MI
3062	The antimicrobial efficacy of probiotics with <i>Homerus americanus</i> (American Lobster) exoskeleton fauna to control the impacts related to Shell Rot Disease	AS EM MI
3063	Using Electrical Current as an Antimicrobial	MI ME EE
3064	A New Fluorescent Assay relating to Palladium Blood Contaminants for Early Detection of Chagas	ME CH
3065	Evaluation of Potential Outer Membrane Proteins Candidates for the Serological Diagnostic of Leptospirosis	ME MI CB
3066	Maximizing Energy Production from MudWatts	EE MI
3067	Foramen Magnum and Other Cranial Measurements in Ostriches and Implications for Sex Determination in Dinosaurs	AS EA
3068	Predicting the Genomic Pathways of Adaptation In <i>Spartina alterniflora</i> Salt Tolerance Proteins LSD1, EDS1, and PAD4 in Response to Sea Level Rises Via Phylogenetic Trees	EV AT PS
3069	Effect of Regulation of Autophagy on the Hedgehog Signaling Pathway in Paget's Disease of the Bone	CB ME
3070	Using a 3-D printed intramuscular auto-injector to minimize costs for administering huBuChE and pharmaceutical grade drugs to counteract nerve agent poisoning	ME EN BI
3071	Effects of Stimulants on Heart Rate	ME
3072	Developing a Minimally Invasive Tumor Treatment Via Focalized Ultrasonic Frequencies	ME AT EE
3073	The Effects of Artemisinin and Ferrous Iron on Mouse Lewis Lung Carcinoma Growth	CB
3074	Remediation of Beryllium Heavy Metal via <i>Phaseolus vulgaris</i> Hyperaccumulation	EM EV PS
3075	I & H Equestrian: Boarding · Training · Rescue	EM EV EN
3076	The efficacy of topical ascorbic acid as an inhibitor to mold and bacteria growth	MI BI PS
3077	Analyzing HIV CRISPR gRNA sequences for cross-targeting HIV variants in patients	ME MI CB
3078	An Investigation on the Effect of the Acidification of Soil on the Growth of <i>Lolium perenne</i>	PS CB CH
3079	The Study of the Filtration Effects of the Flowing of Water Contaminated with <i>Escherichia coli</i> K-12 Through the Xylem of <i>Ficus Aurea</i>	PS MI
3080	An Investigation of the Effects of Solid Road Deicers on the Early Development of Zebrafish Embryos	AS EV
3081	Effectiveness of American Beach Grass Restoration	EM EV PS
3082	Production of Natural Products in <i>E.coli</i>	EN CB
3083	Analysis of Prey Composition in Ninespine Stickleback (<i>Pungitius pungitius</i>) Infected With Cestode Parasite (<i>Schistocephalus pungitii</i>)	AS
3084	The Effects of Global Climate Change on the Production of Oxygen Gas and Chlorophyll Fluorescence in the Chlorophyll f Pigment and with <i>Chlorogloeopsis fritschii</i> .	MI BI EV
3085	Taste Perception in Obesity: Understanding the Role of Physiological State, Macronutrient Intake, and Flavor Preference	ME BE CB
3086	Detection of Premalignant Pancreatic Cancer via Computational Analysis of Serum Proteomic Profiles	CS ME
3087	The Effect of a Known Allelopathic Chemicals (Juglone) on Coastal Marine Chlorophytes	PS
3088	Effect of point of view on lasting empathy	BE
3089	The Effect of Added External Chemicals on Inhibiting Population Growth of Cyanobacteria Within a Fertilizer-Runoff Environment	BI MI EM

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Project Number	Title	Technical Disciplines selected by student
3090	Vet vs DIY	AS
3091	Utilization of Q-2 Pressure System in Preventing Pressure Ulcers for In and Out-Patient Therapies	ME AT
3092	Caffeine's Effect on Anxiety in Teens	BE ME
3093	The Effects of Elevated Temperature on the Compensatory Feeding of a Generalist Caterpillar on C3 and C4 Grasses in an Elevated CO2 Atmosphere	EV PS AS
3094	The Application of Pyrethrin as an Organic Systemic Insecticide for Acheta domestica	PS EM EV
3095	The effect of elevated atmospheric carbon dioxide levels on body size in Drosophila melanogaster	EV EM
3096	The Effect of Mutations on C. elegans Resistance to Intoxication	ME MI CB
3097	The Effect of Rising Water Temperature and Decreasing pH on Vibrio Cholerae Cases	MA ME EV
3098	Developing a Spatial Model of Invasive Spread in Response to Climate Change	EV EM PS
3099	The Effects of Natural Organic Compounds on the Inhibition of Bacillus Subtilis Biofilm Growth	MI CB ME
3100	Natural antimicrobials: Alternatives to antibiotics in the control of ear infections	MI ME CB
3101	Determination of Gut Granule Function in Caenorhabditis elegans via Chemotaxis Assay of Anthranilic Acid	EV MI CB
3102	Influence of Climate on the Decline of Fraxinus americana	EV EM
3103	Implicating the Tolerance of Glyphosate on Artemisia Vulgaris	PS EV EA
3104	Using Connectivity Data to Remap the Mouse Brain	ME AS CB
3105	How Carbon Dioxide Levels Affect The Geographic Expansion of Borrelia burgdorferi and The Spread of Lyme borreliosis	CB AS MA
3106	Reactivity and Stability Analysis of Metal Organic Frameworks(MOFs)	CH EE AT
3107	Measuring the Effect of Stock Market Closing Prices on Performance of Incumbent or Incumbent Party Presidential Candidates (2004, 2008, & 2012 Elections) Using Time Series	BE MA
3108	Heat from Global Warming Affecting Bioluminescence in Pyrocystis fusiformis	EV EM PS
3109	Platelet Membrane Coating Bio-interfacing of Pravastatin to Increase Removal of Arterial Plaque	ME EN
3110	Effect of Fecal Matter on Cimex Lectularius (Common Bedbug) Aggregation as an Alternative to Extermination	AS EM BE
3111	Effects of Climate Change and pH Change on Daphnia Population Size and in turn Complete Freshwater Aquatic Ecosystems	EA EV EM
3112	Determining the Most Distracting of the Five Traditional Senses from Feelings of Pain	ME BE CB
3113	Anticorrosive Coatings on AZ31 Magnesium Alloy to Reduce Degradation Rate for Metallic Medical Implants	EN CH ME
3114	A Novel Study on the Membrane Interactions of Bovine Alpha-Lactalbumin and Oleic Acid Complex on Tumor Cells to Induce Lysosomal Cell Apoptosis	CB BI ME
3115	Can Video Games Boost Intelligence in Children?	BE AS ME
3116	Studying Picture Quality: Evaluation of Pixels in Pictures Taken on the iPhone 7+ Camera, iPhone 6+ Camera and Snapchat Camera.	AT
3117	Targeted Anticancer Properties of Honey Bee Melittin via Cell Surface Lipid Disruption	ME EN CB
3118	Limiting our Exposure to Radio Frequency Radiation	EN EE EV
3119	PAD4 Inhibition: A Novel Treatment for Rheumatoid Arthritis	ME CS EN
3120	Determining Ideal Management Strategy for Controlling Varroa Mite Levels	EM EV AS
3121	Enzymatic Reactions at Nanoparticle surfaces: Studying the dependence of substrate accessibility on the efficiency of enzymatic ligation	CH BI CB
3122	The Effect of Acid Rain on the Regeneration of Nematostella Vectensis	EV AS
3123	Bacterial Analysis of Kefir Products	MI CH
3124	The Effect of Asparagus cochinchinensis Root on Mouse Lewis Lung Carcinoma Growth	CB

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3125	PDE-4 Inhibitor-Assisted Antibiotic Suppression of Borrelia Biofilm Growth for Treatment of Chronic Lyme	ME EN
3126	An investigation into the use of fruit peel filters to reduce the level of water contamination.	EM EN PS
3127	A customizable, 9DB1 Deoxyribozyme based system for the controlled production of proteins via artificial logic on the molecular scale	EN BI ME
3128	The Effect of Nutrient Concentration on Biomass Production in Cultured Marine Phytoplankton (Nannochloropsis sp.)	MI ME ET
3129	Utilizing a Freshwater Bioreactor as an Effective Carbon Dioxide Sequestration Technique	EV EM ET
3130	The Role of Acidity in Phosphorus Fixation of Phaseolus Vulgaris through Induced Systemic Resistance by Inoculation of Azospirillum Brasilense	EM PS MI
3131	Viability of Cloud-Bacteria Transportation	MI EV EA
3132	Improving Cardiac Motion Correction in Cardiac SPECT	ME EN AT
3133	The Effect of Sun vs. Shade on the Decomposition Rate of Meat Through Carbon Dioxide Levels	CH EV
3134	The Effect of Music on Reading Comprehension and Mathematical Calculations	BE ME
3135	Correlations Between Specific Gut Flora and Different Body Mass Type Changes	ME MI
3136	Improvements on design of biologically inspired modular prosthetics for general use.	AT CS EN
3137	The Use of a Hydroxybenzene Group Variant, Grapefruit Seed Extract, as an Alternative Natural Pesticide for Contemporary Chemicals in Modern Agriculture	EM PS CH
3138	The Relationship Between Intelligence Quotient, Phonological Awareness, and Reading Cognition: A Behavioral and Neuroimaging Analysis	BE ME
3139	Does the bacteria in the Drosophila melanogaster gut affect the severity of Type 2 Diabetes symptoms?	ME CB BI
3140	Developing a Robust Phylogeny of Xyridaceae and Closely Related Families	PS
3141	The Effect of Two Brands of Melatonin on Lewis Lung Cancer Cell Growth	CB ME
3142	Adherence Rates of Escherichia coli to Mono-filament, Multi-filament, and Barbed Sutures	ME MI CB
3143	Investigation of Effectiveness of Bowel Preparations and Physician Rating for Maximum Visibility in Colonoscopy Procedures to Increase the Detection Rate of Colorectal Cancer	ME
3144	Gender Identity Disorder	BE ME
3145	The Inclusion of Ulva Lactuca Masses to the Domain of Isopora palifera Fragments May Culminate in the Reestablishment of Moderately Suspended Symbiotic Zooxanthellae.	BI PS
3146	Analyzing Rhythmic Processing Abilities in Children Ages Five to Fifteen	BE ME
3147	Cloning of the IRES Gene for Targeted Viral Therapy	CB EN BI
3148	An Athlete's Guide to Picking a Marker to Write on Their Skin with	CH
3149	Permanent Inactivation of the HIV Provirus via CRISPR Gene-Editing	CB ME BI
3150	A New Solution for Prevention of Symptoms of Lactose Intolerance	EN ME
3151	A study of circadian genetics and abiotic stress towards sustainable agriculture	PS CH MI
3152	Temperature-Independent, Portable, and Rapid Home Detection of Lyme Disease Using a Silk-Derived Lateral Flow Salivary Test	ME EN AT
3501	Depressions Not A Choice, End The Stigma	BE ME
3502	Dry garden	EM
3503	Panic Disorder	BE ME
3504	An Evaluation of Varying Reaction Times from Mobile Phones and Its Practical Application	AT BE
3505	The survivability of the salt marsh Melamaus bidentatus snails	EV
3506	Exploration of Intermittent Explosive Disorder and Stigmas	BE ME
3507	The Investigation of the Effectiveness of Triclocarban as an Antibacterial Agent	MI ME
3508	Investigation of the Tenascin-X Protein and its Role in Ehlers-Danlos Syndrome	CB ME MI
3509	Effect of Popular Acidic Drinks on Human Tooth Enamel and Use of Common Chemical Additives to Reduce Enamel Erosion	ME BI CH

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3510	Biorock: Calcium Carbonate Deposition and Oyster growth in the Fishers Island Sound	BI CH
3511	The Effect of Enzyme Treatment on Soil Bacterial Growth	MI ME BI
3512	The Effects of Artificial Sweeteners On Human Gut Flora	MI
3513	Analysis of Environmental Stress: The effect on Restriction Enzyme Analysis of Asterina DNA	CB EV BI
3514	The Effect of Livestock Supplements on Soil Microbes	MI ME BI
3515	Environmental Stresses on the Rate of Evolution of Escherichia coli to Antibiotics	CB MI BI
3516	The effects of salinity on marsh grass	BI EM PS
3517	Testing Drosophila melanogaster Flies as a Model to Study Alcohol Addiction	ME AS AT
3518	A Statistical Analysis of the Inflation of Atmospheric CO2 Levels and the Correlation Between Sea Ice Concentration and Aptenodytes Forsteri Breeding Patterns	AS EV MA
3519	Effect of Salinity on Brine Shrimp	EV AS
3520	An investigation of Nannochloropsis oculata / Yeast Biofuel Efficiency	MI ET PS
3521	The Effects of Fertilizers on Soil Bacteria	PS EA BI
3522	The effects climate change variables have on genetic inheritance of butterfly wing patterns	CB EV AS
3523	The Effect of Different Solid Medias on the Amount of Antibiotic-Producing Bacteria Isolated from Soil Samples	MI ME BI
3524	The Effect of Predation and Availibility of Resouces on Habitat Selection of Oniscus asellus	AS BE EV
3525	Methylmercury concentrations in Fish Tissue: A comparative analysis of Long Island Sound v. the Atlantic Ocean	BI EV EM
3526	Changing Attitudes Towards Panic Disorders	BE ME
3527	The Effect of Foot Arch Height on the Area of Maximum Force The Foot Exerts While Running	ET BE ME
3528	Size of Fish vs. Nutrient Density of Plants	PS AS MI
3529	The Effect of Soil Moisture Content on the Isolation of Motile Bacteria	MI ME BI
3530	Analysis of the Effects of Selenastrum capricornutum on the pH of Freshwater Marine Environments	PS MI CH
3531	The Effect of Consumption Organic VS Non organic Asclepias Syriaca on the Growth and Health of Danaus Plexippus	PS AS EV
3532	The construction of an LCHAD Deficiency Model System and tagging of the HADHA enzyme using C. elegans	CB MI
3533	A Novel Approach Using Biochar in Sand Reactors to Accelerate Biodegradation of Naphthenic Acids in the Process of Bitumen Extraction via Oil Sands	BI EV EM
3534	Does Makeup Grow on Bacteria?	MI
3535	Stomping the Stigma of Schizophrenia	BE ME
3536	How much do we need to dilute the solution for it to still perm eyelashes?	CH EV ME
3537	The Effects of Different Fertilizer Levels on the Development and Chlorophyll Density in Solanum Lycopersicum var. Cerasiforme (Cherry Tomato).	EA PS CH
3538	PTSD Stigma in Veterans	BE ME
3539	Passive Solar Heating	EM
3540	Determination of light Wave Length Effect on Gracilaria tikvahiae Growth Rate	PS EM AT
3541	The Effect Half and Full Day Illumination Periods Have On Aquaponical and Conventional Methods	PS
3542	Human fingerprints and Gecko Setae: A fusion of configurations to create a super-grip, non-slip surface	EN AT
4001	Using Flocculation to Extract Chromium 6 From Water	AT CH EM
4002	Future of Filtration	EE EV EA
4003	Apple Oxidation	EA
4004	Water Turbine	ET EE AT

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4005	Paper Towel Strength	AT
4006	The Battle of the Rockets.	PH ET AT
4007	Plantaid	AT CS EE
4008	Energizing Electrolytes	ME CH
4009	Take Cover	EN
4010	Using Nanotechnology to Clean Oil Spills	AT EN EM
4011	To Sensor or Not to Sensor.	EE AT CS
4012	"Got Plastic?"	CH
4013	Light Intensity and Photosynthesis: How different colors of light and their intensities affect photosynthesis?	EA AT PS
4014	Fats In Cooking Oils	ME CH
4015	The Effect of Temperature on Solar Cells	AT EV
4016	How Does Temperature Affect the Elasticity of Rubber Bands?	CH
4017	The Heat Is On!	PH ET
4018	Strength of Bridges	EE EN PH
4019	Can you hear what the sound polluting?	EN
4020	Investigating Novel Methods of Generating Electricity Using a Double Plated Magnetic Generator with Springs Compared to a Miniature Axial Rounded Tip Tidal Stream Generator	EE
4021	The Energy Band	ET EE AT
4022	Do Antennas Love Geometry?	PH
4023	How Does the Temperature of a Tennis Ball Affect the Height of It's Bounce?	PH ET
4024	Sturdiest of Them All	EN
4025	The Clean Drain	AT EE EM
4026	Can U(V) See the Light	CH
4027	Mars Exploration	EE CS
4028	A Helping Hand	EE
5001	Building Tesla Coils	EE MA
5002	Mass Maglev Manufacturing	ET
5003	Wind Energy? I'm a Big Fan!	ET EE
5004	Environmental Monitoring System for Dog Safety	EE CS AT
5005	Gravity and Air Resistance	PH
5006	What's Blocking Your Wi-Fi Signal?	AT
5007	Cleaning Coins	AT CH PH
5008	Orb Characteristics and Containment	MA EN ET
5009	Brownie Points The effect of flours on brownies	CH ME PS
5010	Do Video Game Players Have Faster Reaction Times Than Non-Players?	MA AT CS
5011	Bombs	CH
5012	It is Rocket Science	EE EN AT
5013	The Amazing Magnetic Glove	EE AT
5014	Can you get energy from fruit?	ET
5015	Shapes of Parachutes	EE
5016	Insulation Wars	EN
5017	Bisphenol A content in BPA free water bottles, canned food items, children's plastic connectable beads and plastic pen caps	EV CH

Project List

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Project Number	Title	Technical Disciplines selected by student
5018	Building A Smarter Gutter	EE EN
5019	Eggeceptional Geodes: An Eggsperiment	EA EV
5020	What's Your Boiling Point?	CH
5021	Greasy Times and Triple Enzymes	CH
5022	Strength of Electromagnets	EE
5023	Sneaker Feature	AT
5024	What Recyclable Material Makes the Best Insulator?	ET
5025	A study on soil product following bio degradation of Styrofoam by tenebrio	EV EA
5026	Snap Crackle Pop	CH BI ME
5027	Taking Flight	PH
5028	The Plentiful Popcorn Project	AT
5029	How Safe Is Your Water?	CH EV
5030	LED Light Bulbs: A Bright Idea?	ET
5031	The Unspillable Table Setting	EN AT
5032	Natural Power	ET EM
5033	The IRON-ic Truth About Cereal	ME PH
5034	Ready, Set, Blast Off!	CH ET AT
5035	Making Tie Dye Milk	CH
5036	What kind of water is the purest?	EV CH
5037	Going The Distance	PH AT
5038	Slip Hazard Alarm Robot--H2OhNobot	EE AT CS
5039	A Battery That Makes Cents	AT EN EE
5040	What quantity of dimples on a golf ball best contributes to flight distance.	PH AT
5041	Wave Generated Beach Erosion	EA
5501	Baking Vanilla Cupcakes with Different Ratios of Ingredients at Different Temperatures	CH
5502	Rusty Steel: How Acids Affect the Rate of Corrosion	CH
5503	Examining the impact of window moisture on the strength of a wifi signal.	AT EV
5504	Trash to Gas!	EM BI EA
5505	The Fastest Manicure	CH
5506	Solar Cells	ET EE
5507	Battle of the Bridges	EN EE
5508	Natural Plastic: Will Milk Plastic Substitutes Biodegrade Faster Than Commercial Plastics?	EN
5509	The Effect of Heat on Static Electricity	EM MA
5510	Inexpensive Fabric Insulator Alternatives for Expensive Bulky Jackets	PH
5511	A Battery That Makes "Cents"	EE
5512	What water bottle brand will keep water the coolest.	EN
5513	A study on the most effective method for the extraction of essential oil from citrus.	PS
5514	Are Stars Disappearing?	PH
5515	Efficient Non-Toxic Dye-Sensitized Solar Cells	AT EE CH
5516	Toothpaste (Does Brand Matter?)	CH ME
5517	Crystallization Creations	EA
5518	Magnetic Power	EE
5519	Extinguish-Bot	AT CS EE
5520	Does the Surface Really Matter?	PH

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Project Number	Title	Technical Disciplines selected by student
5521	Silicone-Filled Drumsticks can Reduce Vibration Impact in a Drummer's Hand	PH EN
5522	Tidal Times	PH MA
5523	Tracking the movements of a human being.	EE
5524	Oobleck	EN CB
5525	Waterbot	AT CS EE
5526	Getting the most out of your batter	AT
5527	hoverboards	ET
5528	Is There a Tapiolite Vein in Connecticut?	EA
5529	Soiled Soil	EV
5530	Making concrete more energy efficient and lightweight.	EN ET
5531	The Effects of Different Flours on the Breaking Point and Decomposition Rate of an Edible Spoon.	EN EM
5532	Is Biuret Test a reliable reagent to indicate the presence of egg proteins in raw, cooked, and baked egg that can trigger an allergic reaction?	CH ME
5533	The Best Conductor	AT
5534	Boyle's Law	CH
5535	Password Security; How Easily Can Your Password Be Hacked? What Can You Do to Make it Safer?	CS MA AT
5536	INDUCED LEVITATION AND MOVEMENT APPLYING LENZ'S LAW	PH EE EN
5537	Developing a Prototype Atmospheric Water Generator System as a Clean, Safe and Sustainable Water Source	EE AT EM
5538	Creating an Affordable Homemade Meter to Measure Outdoor Levels of Carbon Dioxide	EE EV
5539	Machine Learning for Text Categorization	MA CS AT
5540	How does the fill density of a 3D printed flying disc effect how far it flies?	EN PH AT
5541	How To Make A Water Filter That Will Be More Efficient	CH BI PH
5542	Wind Turbines	EE EE EE
5543	How does weather vary across the city?	EA
5544	Challenges of Creating a 2-d Platformer Game Level	CS AT
5545	Constructing a CoreXY Dual Extrusion Fused Filament Fabrication Apparatus	EE AT
5546	Multi-Purpose Home Automated Motion Sensor	CS
5547	Creating a Cosmetics Foundation with Natural Ingredients	CH BI
5548	What's your signal?	AT
5549	Great Balls of Fire Astrophotography Experiments	PH
5550	Suspense of the Popcorn	CH
5551	Hot Socks	PH
5552	Name Brand vs. Value Brand vs. Homemade	CH
5553	Fruits vs Vegetables	EE
5554	The Relationship Between Aerodynamic Shape and Wind Drag	EE AT ET
5555	The fabrication and testing of various fruit juice dye-sensitized solar cells with the addition of preservatives	BI EE ET
5556	A Change In the Winds	ET
5557	Air Engine : Can it be an alternative to a gasoline engine?	EE ET EM
5558	Where is the paper airplane?	EE AT PH
5559	Vision Shoe	AT CS EE
5560	How does fabric softener affect the flammability of different fabrics	CH
5561	SINGING WINE GLASSES AND BOTTLES	PH

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Project Number	Title	Technical Disciplines selected by student
5562	Depth vs. Velocity	PH EV
5563	Dam Water Reservoir Height and Hydroelectric Power Production	AT EN ET
5564	Pen-nik	AT EE ME
5565	How Does Fabric Softener Affect The Flammability Of Different Fabrics?	CH
5566	Stains Away!	CH
5567	Battery Power	ET
5568	Optimizing Fin Design For Compressed Air Water Rockets	PH
5569	Injur-knee	EN AT EE
5570	"Organic Waste : a Clean Source of a Energy"	EE EM CB
5571	Multi-color CCD photometry of the variable star Delta Cephei using a home-built six inch reflecting telescope	PH
5572	How Far Will It Stretch?	EN
5573	Solar Producing in the Polar	EE CS
5574	How WiFi Affects the Growth of Plants	EV PS
5575	Got Sugar?	CH ME
5576	Project CASH: Relational Effects of Cold, Acid, Starch and Heat	BI CH
6001	Comparing the Thermal Management Requirements of Silicon and Multijunction Tin-Based Perovskite Solar Cells.	EE ET AT
6002	Hot Glass	EE AT
6003	AN INVESTIGATION INTO THE CAPABILITY OF GRAPHENE TO PRODUCE ELECTRICITY DURING RAINSTORMS AS AN ADDITION TO A TRADITIONAL SOLAR PANEL	CH EN ET
6004	Analysis of Mercury Content in Sediments of New Haven Harbor	EV CH EM
6005	A Novel Rapid Diagnostic Test for Zika Virus NS1 Protein using Nanoribbon Microfluidics	AT BI EE
6006	Decreasing Energy Loss in the Flow of Electricity	AT PH CH
6007	Harnessing Perpetual Motion Machine to Generate "Free Energy"	EE ET
6008	" I'm just saying you can do 'beta' "	EE ET
6009	The Efficacy of Lichens as Bioindicators of Air Pollution	EV PS
6010	Novel Low-Temperature Carbon Capture Using Aqueous Ammonia and Organic Solvents	CH ET EM
6011	A Novel Approach for Assessing Alzheimer's Disease Risk through Natural Language Processing-Based Analysis of Aphasic Patterns	CS ME
6012	PROPERTIES OF POTENTIAL REGULATED ION CHANNELS	CH EN PH
6013	Optimization of Vertically Aligned Boron Nitride Nanotube Membranes via Magnetic Arrangement in a Lyotropic Precursor for Water Transport Applications	EN EM ET
6014	The Performance of a Graphene anode battery in a Remote Control Car	EN EE
6015	Development of a CNT/ZnO/TiO ₂ membrane for visible-light induced photocatalytic filtration of water-borne organic and bacterial pollutants	EM EN EV
6016	Ideal Printing Conditions for Fused Deposition Modeling with ABS Filament	EN EE
6017	An Investigation of Factors Affecting Catalytic Functions.	BI CH
6018	The Design and Fabrication of a Zero Carbon Emissions Compressed Air Engine Eliminating Batteries and Other Associated Environmental Impacts	EE AT ET
6019	The effect of adding a second polymer to polyethylene terephthalate on the mechanical properties and morphology of the polymer blend systems	EN
6020	Fluorescent Nanofiber Matrices as Extracellular Matrix Tissue Substitutes	EN CH ME
6021	Lending a Hand to Those Who Need it Most.	EN PH EE
6022	Effect of Magnetism on the Rate of Heat Transfer	PH EE
6023	Biodegradable Plastic Study to Prevent Oceanic Pollution	EM EV

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Project Number	Title	Technical Disciplines selected by student
6024	Investigating the Efficacy of Magnesium Nitrate as a Viable Solvent in the Synthesis of 2,5-Dimethylfuran Biofuel	CH BI ET
6025	Identifying an environmentally friendly, sustainable process for capturing and converting CO2 to chemicals or reduction to carbon.	EN CH EV
6026	The Albedo and Crystal Analysis of Black Carbon's Ablation on Glacial Sea Ice and Dihydrogen Monoxide Temperature change due to Diverse Crystalline Structures	CH EV EA
6027	A Novel Approach to Measuring Reaction Times in a Simulated Driving Environment	AT CS
6028	Development of an Economical Single Stream Recovery Protocol of LiCoO2 Via Biological Sequestration	EM BI CH
6029	The Synthesis of Silica X-Aerogels through the Sub-Critical Process	EN CH
6030	A New Fast Algorithm for Finding Eigenvalues in Vibrating Structures	MA EE PH
6031	Determining the Optimal Implementation for Secure Multiparty Computation of the Logistic Function	CS
6032	Using Octadecanol to Limit Freshwater Evaporation in Areas of Droughts	EM CH EA
6033	A Novel N-Doped Carbon Nanotube/Copper Electrode for the Reduction of CO2 to Biofuel	ET EM EN
6034	The Concept of Foiling	ET
6035	A Radio Transceiver-Based Wearable Device to Help Visually Impaired Users Avoid Vehicles	CS EE
6036	Does Industry Concentration Affect Variability of Human Capital Investment?	MA
6037	Study on the Roles of Reactive Oxygen Species(ROS) and Nano Scaled Biochemical Molecules Treating Tumor Cells	BI EN ME
6038	The Application of Ferrofluid paired with Neodymium Rare Earth Magnets to Reduce Friction.	AT EE ET
6039	Light, pH, and Salinity's effect on Bioluminesence Dinoflagellates	AS EA EV
6040	Application of flexible PVDF nanofibrous membrane coated carbon fiber filter for tunable low cost solvent recycling	EM AT
6041	Development of New and Efficient Metamaterials	PH AT EE
6042	Cheap Heat	EE ET EM
6043	The Fabrication of a Graphene Supercapacitor	AT EE ET
6044	Optimizing Efficiency of Long Distance Tube-And-Pod-Based Low Friction Transportation Systems	ET CS MA
6045	Deciphering emotions through a voice's physical characteristics	AT CS
6046	Cycling Assisted Brake	AT EE
6047	A Weather-Based Autonomous Rainwater Irrigation System	CS EM AT
6048	Efficient Wind Turbine Blade Design Using Computational and Numerical Analysis	ET EM AT
6049	Improving the Outbrain Click Prediction Algorithm	CS
6050	Liquid Reflectiveness and its effect on temperature	PH EA
6051	Design, build, and code a cellular/WiFi enabled smart thermostat using a microcontroller and a custom Android app to increase energy efficiency for homes and workplaces.	EE AT EM
6052	Adaptive Boosting - A Study on Machine Learning	CS MA AT
6053	Renewable Energy Generation of a Hybridized Saltwater Electrochemical and Hydrokinetic Energy System	ET EE EM
6054	The Application of Object Tracking in Surgery Robotics	CS AT EE
6055	So You Want to be a Rock Climber?	PH BE MA
6056	Can we make solar panels more efficient using mirrors, yet protect them from detrimental radiation and heat concentration?	EE
6057	AprilTrack: A Particle-Filter based AprilTag Tracker	CS
6058	The Efficient Application of Resonant Energy	EE AT
6059	Most Powerful Wind Turbine Blades	EE

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Project Number	Title	Technical Disciplines selected by student
6060	Perpetual Wind Energy	ET PH
6061	Robotic Applications for Direct Formic Acid Fuel Cells	ET EE CH
6062	An investigation of the structural integrity of wood species used for the tops of acoustic guitars.	EN PH
6063	Carbon Capture and Storage via Silver Nanoparticle Catalyzed Hydration of Carbon Dioxide	EM AT
6064	An Engineering Approach to Developing Sustainable Technology: Piezoelectric-Powered Shoe Inserts	EE ET AT
6065	The Impact of Methyl Ester in Oil on Swimsuit Speed	CH MA BI
6066	Correlation of CTNNB1 Gene and Ossifying Fibroma (OF)	CB ME
6067	Bleeding Detection in Wireless Capsule Endoscopy Images Using Convolutional Neural Networks	CS ME EN
6068	Fire Resistance	CH ME
6069	THE DESIGN AND SYNTHESIS OF [Ru(tBu ₃ -tpy)(5-methyl-2-(pyridin-2-yl)-4,5-dihydrooxazole)Cl]PF ₆ AND ITS EFFECT ON CO ₂ REDUCTION	CH
6070	Feasibility of Radio Frequency Technology To Potentially Create a Wearable Distance-Sensitive Device to Help Young Adults Avoid Forgetting Epi-Pen.	AT EE CS
6071	Is It More Effective to Get Achilles Surgery or Use Physical Therapy After a Ruptured Heel Cord?	ME MA
6072	Finding An Efficient Scalable Gray Water Bioremediation Treatment System	EM PS
6073	A Small Spectrometer to Find Peanut Ingredients in Food.	CH BI
6074	Reliably Jammed Disk Packing: A Novel Feature of a Classic Geometry Problem	MA CS
6075	The Gravitational Effect Of The Galilean Satellites On The Shrinkage Of The Great Red Spot	PH
6076	Designing and Implementing a Flexible Support System for the Finger Injury Prevention in High-Impact Sports and Applications	EE ME AT
6077	Synthesis and Improvement of Mechanical Robustness Within Photonic Crystals	EN
6078	Evaluation of BMG via tensile strength and hardness after exposure to acidic, basic, and saline conditions	AT EN EE
6079	Experimentally determining the total lasting albedo effect of aerosol-seeded clouds based on aerosol particle type	EM
6080	Comparing the efficiency of water-filtering materials and developing an affordable, effective, water filtration system for the developing world	EN EM AT
6081	Wine Glasses and What Affects Their Resonant Frequency	PH
6082	The Reutilization of Plastic as a Home Insulation System	EE EM
6083	Flow Rate vs. Hydroelectric Kilowatts Produced: A novel approach using Pelton wheels and land-based turbines in an effort to preserve surrounding ecosystems	EE EM ET
6084	The Effect of Different Textures of Coconut-Based Activated Carbon on the Adsorption of Dyes	CH
6085	Functionalization of Gold Nanoparticles with various Amino Acids under Different pH Environment	CH
6086	Synthetic Turf Infill Engineering	EN EM
6087	Determining Salient Control Decisions of the Actuated Spring Loaded Inverted Pendulum Traversing Slippery Terrain Using a Sliding Mass Model	PH CS AT
6088	The Effect of Center of Mass and Center of Pressure Locations of Model Rocket Performance	PH AT EN
6089	Study of Size Separation of Sub-Millimeter Sizes Granular Material Using Vibro-Fluidization	EN AT
6090	Correlation of Elbow Kinetics and Ball Velocity to UCL Strain/ Injury in Baseball Pitchers	ME PH
6091	Worm Hole Theory	PH
6092	Methane Reduction in Hydropower Plants	EM EV
6093	Designing a Protective Cap To Reduce Impact Force and Head Trauma	EE EN AT

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Project Number	Title	Technical Disciplines selected by student
6094	Analyzing the Accuracy of a Two Queue Simulation of a Polling Station in Modeling Voter Wait Times	CS
6095	The Fabrication and Testing of a Personal Air Quality Monitoring System	EE CS
6096	Determining Orbital Properties of Eclipsing Binary Stars Through Visual Observations of Variable Brightness	PH
6097	Developing a Novel Piezoelectric-Based Wind Energy Harvesting Device incorporating a Photocatalytic Graphene Paint Biodegradable Structure for applications in Low Wind Speed	ET ET CH
6098	Effects of Concentration and Cooling Rate on Microstructural and Macroscopic Properties of Tin-Zinc Binary Alloys	EN
6099	Residential Oil Tank Risk Prediction	EV MA CS
6100	A Closer Look At Petroleum: Our World's Energy	ET EV EM
6501	Levitating and propelling objects.	AT EE
6502	An Investigation of Conductive Graphene Dispersion: optimizing heat retention, water resistance, strength and durability of fabrics	EN AT
6503	Bamboo brick	EM EM
6504	Today's Invisible Threats: the Concentration of Radon According to Geological and Geographical Components	EA EV CH
6505	Using Piezoelectricity to Harness Energy into a Battery	EE AT ET
6506	Producing bioethanol from cellulose	CH
6507	Tail-Pipe Turbine	EE ET
6508	Role of Ambient Environmental Chemical Composition in the Creation of Precursors to Life	BI
6509	oleumpra	EE
6510	Analysis and Proving of "Cycloid" Universe Using Friedmann Equations and Torsion Cosmology	PH MA
6511	Will the type of Acidic Liquid Mix With Milk change the Durability of Plastic	CH EV
6512	The U-Desk	EE
6513	The Effect of Adding a Second Polymer to Bombyx mori silk fibroin on the Mechanical Properties and Morphology of The Polymer Blends	EN EE
6514	Charge Your Devices Using a Portable Thermoelectric Generator Harnessing Wasted Heat Energy	EE
6515	The Power Pack	EE ET
6516	Converting Grass into Cellulosic Ethanol to Generate Energy as a Heating System	ET CH
6517	A Novel High Performance Liquid Chromatography Protocol to Investigate the Analgesic Role of Salicylic Acid and Other Bioactive Components found in Traditional Chinese	ME BI CH
6518	Car Coin Sorter	EE
6519	The Optimization of a Polycrystalline and Monocrystalline Solar Cell through Effective Cooling in the Form of a Heatsink Transfer System	ET EE AT
6520	The Effect of Bio-inspired Textures on Friction	EN
6521	Eco Friendly Batteries	CH PH
6522	Project W- Domestic water recovery system	EM
6523	Effect of Aerodynamic Leaf Design on Electrical Power Generation via a Network of Vertically Aligned Micro Wind Turbines.	EE ET AT
6524	The LD T.E.P System	EE
6525	Energy conservation street lamp	ET EE EM
6526	Using Programming to Solve Math Problems My Calculus Teacher Couldn't Solve	CS MA
6527	Impacts of Ocean Acidification on Phytoplankton	EA EV
6528	Solar powered survival Jacket with a organic type battery back up. to recharge or power a cell phone or LED lights.	EE EN AT
6529	Virtual Forensics Chemical Lab Simulation App (for Liquids, Metals, and Nonmetal Solids)	CS CH AT

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Project Number	Title	Technical Disciplines selected by student
6530	eco-friendly insulation	EN