

Primary Projects (Grades 5 and 6)

ProjNum	Grade category	Type	Project title	ProjectBoard link
Life and Earth Sciences				
1101	Primary	Discovery	Do plants grow better in Sunlight or Lamplight?	https://projectboard.world/ysc/project/121082
1102	Primary	Innovation	The Case of the Missing Ingredients	https://projectboard.world/ysc/project/119166
1103	Primary	Innovation	How to Make Mars Habitable?	https://projectboard.world/ysc/project/118350
1104	Primary	Innovation	Rain derived energy - project not linked	https://projectboard.world/ysc/project/118445
1105	Primary	Discovery	Fabric Fitness	https://projectboard.world/ysc/project/119336
1106	Primary	Discovery	The Best Waterproof Paint	https://projectboard.world/ysc/project/119366
1107	Primary	Discovery	Magnetic Oil: How Ferrofluid Can Help us Clean Up Our Oceans	https://projectboard.world/ysc/project/magnetic-oil-how-ferrofluid-can-help-us-clean-up-our-oceans
1151	Primary	Discovery	Bean Bending With Different Environments	https://projectboard.world/ysc/project/119376
Physical and Math Sciences				
1201	Primary	Innovation	Conservation of Energy: A Rube Goldberg Machine illustrating concepts in Physics	https://projectboard.world/ysc/project/118712
1202	Primary	Discovery	Hydraulics - project not linked	https://projectboard.world/ysc/project/119086
Computing and Engineering Sciences				
1301	Primary	Discovery	Current state and future direction of self driving vehicles	https://projectboard.world/ysc/project/119805
1351	Primary	Discovery	SuperSonic	https://projectboard.world/ysc/project/119416
Human Health Sciences				
1401	Primary	Discovery	What is Mononucleosis?	https://projectboard.world/ysc/project/119893
1402	Primary	Discovery	The Senses of Memory	https://projectboard.world/ysc/project/120849
1403	Primary	Discovery	The Effect Exercise has on Your Body - project not linked	https://projectboard.world/ysc/project/119478
1404	Primary	Discovery	How does Colour affect Taste?	https://projectboard.world/ysc/project/how-does-colour-affect-taste-yperdw
1451	Primary	Innovation	SmartGuard	https://projectboard.world/ysc/project/119375

Junior Projects (Grades 7 and 8)

ProjNum	Grade category	Type	Project title	ProjectBoard link
Life and Earth Sciences				
2101	Junior	Discovery	What is the dirtiest way to transfer money?	https://projectboard.world/ysc/project/119201
2102	Junior	Innovation	The Cell-O-Scope	https://projectboard.world/ysc/project/118398
2103	Junior	Discovery	Water's in the Air	https://projectboard.world/ysc/project/117936
2105	Junior	Discovery	Get Told About Mold	https://projectboard.world/ysc/project/118007
2106	Junior	Discovery	Capillary Action and pH	https://projectboard.world/ysc/project/117117
2107	Junior	Discovery	Effects on a plant with 2 soils in one, compared to a plant with one type of soil	https://projectboard.world/ysc/project/117504
2108	Junior	Discovery	Regeneration for Future Generations	https://projectboard.world/ysc/project/117562
2109	Junior	Discovery	What is the effect of UV light on bacteria?	https://projectboard.world/ysc/project/117933
2110	Junior	Discovery	How does fertilizer affect plant growth?	https://projectboard.world/ysc/project/119275
2111	Junior	Discovery	What really happens to alcohol when you cook with it?	https://projectboard.world/ysc/project/117644
2112	Junior	Discovery	An Attractive Inquiry	https://projectboard.world/ysc/project/117675
2113	Junior	Innovation	How about Stone Paper Straws?	https://projectboard.world/ysc/project/118089
2114	Junior	Discovery	Strawberry DNA Extraction Comparison	https://projectboard.world/ysc/project/118123
2115	Junior	Discovery	The Effects of Humidity on Plant Growth	https://projectboard.world/ysc/project/118658
2117	Junior	Discovery	Do different types of candles burn differently? Do lighter coloured candles burn faster than darker ones?	https://projectboard.world/ysc/project/119029
2118	Junior	Discovery	How Does Music Affect The Behaviour Of Dogs?	https://projectboard.world/ysc/project/114230
2119	Junior	Discovery	Does potassium affect the growth rate of plants	https://projectboard.world/ysc/project/how-potassium-could-affect-the-growth-rate-of-plants
2120	Junior	Discovery	Water Purification	https://projectboard.world/ysc/project/119118
2121	Junior	Discovery	Plants vs Caffeine	https://projectboard.world/ysc/project/118901

2122	Junior	Innovation	How different colours of light affect the plane growth	https://projectboard.world/ysc/project/118916
2123	Junior	Discovery	Can You Handle?	https://projectboard.world/ysc/project/118914
2124	Junior	Discovery	Landscape Vs. Volcano	https://projectboard.world/ysc/project/118936
2125	Junior	Discovery	Microplastics In Hair Products	https://projectboard.world/ysc/project/118946
2126	Junior	Discovery	How Shorelines Affect Waves	https://projectboard.world/ysc/project/118964
2127	Junior	Discovery	Protecting Our Food From Climate Change	https://projectboard.world/ysc/project/118993
2128	Junior	Discovery	Effect of Coloured Light on the Growth Rate of Bean Plants	https://projectboard.world/ysc/project/119193
2129	Junior	Discovery	Quantifying How Light Influences Plant Growth	https://projectboard.world/ysc/project/119393
2130	Junior	Discovery	Sweet Rise – (note ProjectBoard is a slightly different format, but content is the same)	https://makeprojects.com/project/sweet-rise-vpennz
2131	Junior	Discovery	What material is the most efficient against thermal energy transfer?	https://projectboard.world/ysc/project/119340
2151	Junior	Discovery	Hydroponics - plants of the future	https://projectboard.world/ysc/project/118594
2152	Junior	Discovery	My Aquatic Ecosystem	https://projectboard.world/ysc/project/120845
2153	Junior	Discovery	Does Temperature Affect Microgreen Growth?	https://projectboard.world/ysc/project/120055
2154	Junior	Innovation	How Vitamins Affect Plants	https://projectboard.world/ysc/project/119080
Physical and Math Sciences				
2201	Junior	Discovery	PH Paper: Plant Based vs Commercial	https://projectboard.world/ysc/project/119101
2202	Junior	Discovery	Telescopes	https://projectboard.world/ysc/project/118937
2203	Junior	Discovery	is the fizz still in the frozen fizz	No project linked
2204	Junior	Discovery	Does temperature affect the distance of a soccer ball?	No project linked
2205	Junior	Discovery	Do different shapes of magnets have different amounts of force?	https://projectboard.world/ysc/project/113375
2206	Junior	Discovery	Chlorine Ventilation	https://projectboard.world/ysc/project/118990
2207	Junior	Discovery	A Study of How Objects Affect Magnetic Pull	https://projectboard.world/ysc/project/117549

2208	Junior	Discovery	Separating water into hydrogen and oxygen	https://projectboard.world/ysc/project/117537
2209	Junior	Discovery	EDIT Dissolving Speed of Sugar in Different Liquid	https://projectboard.world/ysc/project/118368
2210	Junior	Discovery	Milo's Project	https://projectboard.world/ysc/project/118639
2211	Junior	Discovery	Do the mass and weight of an object change when in a chemical reaction?	https://projectboard.world/ysc/project/118365
2212	Junior	Discovery	Investigating Heat Transfer	https://projectboard.world/ysc/project/120856
2213	Junior	Discovery	The Science of Archery: Does Arrow Length Matter	https://projectboard.world/ysc/project/118633
2214	Junior	Discovery	Do Illegal Substances Affect Pitching Performance?	https://projectboard.world/ysc/project/118677
2215	Junior	Discovery	Do ice cubes melt at different rates in contrasting liquids?	https://projectboard.world/ysc/project/118673
2216	Junior	Discovery	Stain-Free In 2023!	https://projectboard.world/ysc/project/118932
2217	Junior	Discovery	How does changing the position/angle of mirrors change how a laser reflects off of the mirror?	https://projectboard.world/ysc/project/120024
2218	Junior	Discovery	Does pH affect the quality of different shampoos?	https://projectboard.world/ysc/project/120913
2219	Junior	Innovation	Utilizing carbon dioxide	https://projectboard.world/ysc/project/119299
2220	Junior	Discovery	Freezing Batteries	https://projectboard.world/ysc/project/119208
2221	Junior	Discovery	Does how much a Volleyball is Inflated Affect the Serve Distance?	https://projectboard.world/ysc/project/does-how-much-a-volleyball-is-inflated-affect-the-serve-distance
2251	Junior	Innovation	Electric Vehicles - Extending the Range	https://projectboard.world/ysc/project/118855
Computing and Engineering Sciences				
2301	Junior	Discovery	The effect of house shape on wind resistance	https://projectboard.world/ysc/project/118268
2302	Junior	Discovery	Programming Positivity	https://projectboard.world/ysc/project/113392
2303	Junior	Discovery	How Do Weight, Width, and Depth Affect Boat Resistance?	https://projectboard.world/ysc/project/114088
2304	Junior	Discovery	Lichtenburg burning	https://projectboard.world/ysc/project/120884
2305	Junior	Discovery	Traditional computers in the future?	https://projectboard.world/ysc/project/traditional-computers-in-the-future-zbevne
2306	Junior	Discovery	Improving Intersections	https://projectboard.world/ysc/project/118718

2307	Junior	Discovery	How low can you go?	https://projectboard.world/ysc/project/117617
2308	Junior	Innovation	Tackling hydroponics and food security 3.0	https://projectboard.world/ysc/project/117762
2309	Junior	Innovation	Disability Robot	https://projectboard.world/ysc/project/118024
2310	Junior	Innovation	Where's the Crime At?	https://projectboard.world/ysc/project/118380
2311	Junior	Innovation	Making a Self Driving Electric Car	https://projectboard.world/ysc/project/118641
2312	Junior	Discovery	US to A.I.	https://projectboard.world/ysc/project/118655
2313	Junior	Innovation	Electromagnet train	https://projectboard.world/ysc/project/119578
2314	Junior	Innovation	How to make a 12V Power Adapter - project not linked	https://projectboard.world/ysc/project/118710
2315	Junior	Discovery	Infinite Magnetic Energy Generator	https://projectboard.world/ysc/project/118716
2316	Junior	Innovation	Homemade Thermal Electric generator	https://projectboard.world/ysc/project/118897
2317	Junior	Innovation	From Fracture to Fertilizer: Growing Green with Biodegradable Arm Casts	https://projectboard.world/ysc/project/from-fracture-to-fertilizer-growing-green-with-biodegradable-arm-casts-lpegod
2318	Junior	Innovation	Water Filters	https://projectboard.world/ysc/project/119222
2319	Junior	Discovery	What fruit conducts the most energy? - project not linked	https://projectboard.world/ysc/project/119950
2351	Junior	Discovery	How does the fin shape of a rocket affect altitude?	https://projectboard.world/ysc/project/117206
2352	Junior	Innovation	Solar Car	https://projectboard.world/ysc/project/118349
2353	Junior	Innovation	Dextera: An Affordable, Functional, Myoelectric Prosthetic Hand	https://projectboard.world/ysc/project/118922
2354	Junior	Innovation	Heated windshield wiper	https://projectboard.world/ysc/project/118881
2355	Junior	Innovation	Solar Panels Versus Wind Turbines	https://projectboard.world/ysc/project/119282
Human Health Sciences				
2401	Junior	Discovery	Does Chewing Gum Affect Test Performance?	https://projectboard.world/ysc/project/116969
2402	Junior	Discovery	Gluten free Goodies: Making the best gluten free flour blend	https://projectboard.world/ysc/project/118190
2403	Junior	Discovery	To fry or not to fry (The fate of vitamin C)	https://projectboard.world/ysc/project/118200

2404	Junior	Discovery	How social media usage impacts levels of self harm and suicide in youth	https://projectboard.world/ysc/project/119347
2405	Junior	Discovery	Do Screens Affect Sleep?	No project linked
2406	Junior	Discovery	How does age affect what school subjects people like?	https://projectboard.world/ysc/project/118517
2407	Junior	Discovery	Why do we dream? - project not yet linked	https://projectboard.world/ysc/project/118478
2408	Junior	Discovery	How Noise Affects Coordination	https://projectboard.world/ysc/project/118791
2409	Junior	Discovery	Do You Eat the Red Ones Last?	https://projectboard.world/ysc/project/116674
2410	Junior	Discovery	The Insides of Obesity	https://projectboard.world/ysc/project/118485
2411	Junior	Innovation	Identifying Novel Multi-Omic Profiles Correlated with Prognosis of Thyroid Papillary Carcinoma	https://projectboard.world/ysc/project/118977
2412	Junior	Discovery	How Do Age, Gender, and Religion Affect Views on Gender?	https://projectboard.world/ysc/project/117930
2413	Junior	Discovery	How Does Stress Affect Memory Loss?	https://projectboard.world/ysc/project/117624
2414	Junior	Discovery	Can you meditate yourself smarter and calmer?	https://projectboard.world/ysc/project/120159
2415	Junior	Discovery	Sounds of the Heart	https://projectboard.world/ysc/project/117680
2416	Junior	Discovery	Biased much? How perceived race and/or gender affects bias	https://projectboard.world/ysc/project/118023
2417	Junior	Discovery	Media Consumption	https://projectboard.world/ysc/project/118110
2418	Junior	Découverte	Est-ce que le coeur aime les drogues?	https://projectboard.world/ysc/project/118321
2419	Junior	Discovery	How your Day-to-Day Activities Affect your Sleep	https://projectboard.world/ysc/project/118995
2420	Junior	Découverte	La puissance des poumons	https://projectboard.world/ysc/project/118225
2421	Junior	Discovery	Media Brainwashing - Ethos, Pathos Logos	https://projectboard.world/ysc/project/media-brainwashing-ethos-pathos-logos-ojxwer
2422	Junior	Discovery	Do sight/colours affect taste?	https://projectboard.world/ysc/project/119205
2423	Junior	Discovery	Battling Bacteria	https://projectboard.world/ysc/project/118369
2424	Junior	Discovery	Neonatal Abstinence Syndrome	https://projectboard.world/ysc/project/118783
2425	Junior	Discovery	Can Positive and Negative Imagery Affect Math Performance?	https://projectboard.world/ysc/project/117715

2426	Junior	Discovery	Does Colour Affect Memory?	https://projectboard.world/ysc/project/118697
2427	Junior	Discovery	A guide to pH, the digestive system, over the counter medication, and how they affect you	https://projectboard.world/ysc/project/119038
2428	Junior	Discovery	How Do Surroundings Affect Thoughts?	https://projectboard.world/ysc/project/119136
2429	Junior	Discovery	Caffeine, Fraud or Not?	https://projectboard.world/ysc/project/119290
2430	Junior	Discovery	The Relationship between Memories and Emotions	https://projectboard.world/ysc/project/118682
2431	Junior	Discovery	The Connection Between the Environment and Child Birth Rates	https://projectboard.world/ysc/project/118954
2432	Junior	Discovery	Metal ions role in Alzheimer disease	https://projectboard.world/ysc/project/118997
2433	Junior	Innovation	Antibacterial sprays on medical scrubs using plants found in Canada	https://projectboard.world/ysc/project/119005
2434	Junior	Discovery	Some Aspects of COVID-19 and It's Vaccine	https://projectboard.world/ysc/project/119249
2435	Junior	Innovation	Rise Up	https://projectboard.world/ysc/project/119052
2436	Junior	Discovery	How does age affect memory and concentration?	https://projectboard.world/ysc/project/119139
2437	Junior	Discovery	Do Confidence Levels Affect Test Scores?	https://projectboard.world/ysc/project/118971
2438	Junior	Discovery	STEM Fair Project - not yet linked	https://projectboard.world/ysc/project/119308
2439	Junior	Discovery	How Much Bacteria is on Washed/Dirty Fruit?	https://projectboard.world/ysc/project/119123
2440	Junior	Discovery	Effect of mouth guards on speed of skating	https://projectboard.world/ysc/project/120056
2441	Junior	Discovery	Lung Capacity	https://projectboard.world/ysc/project/118959
2442	Junior	Discovery	Sleep in Adolescents and How it Affects Behaviour	https://projectboard.world/ysc/project/sleep-in-adolescents-and-how-it-affects-behaviour
2443	Junior	Discovery	What's Cooler than Colour?	https://projectboard.world/ysc/project/whats-cooler-than-colour-good-copy
2451	Junior	Innovation	Automatic Insulin Pump	https://projectboard.world/ysc/project/119013
2452	Junior	Discovery	Bacteria on School Surfaces	https://projectboard.world/ysc/project/119110

Intermediate Projects (Grades 9 and 10)

ProjNum	Grade category	Type	Project title	ProjectBoard link
Life and Earth Sciences				
3101	Intermediate	Discovery	Testing nanosilver on water fleas - project not yet linked	https://projectboard.world/ysc/project/118520
Computing and Engineering Sciences				
3351	Intermediate	Innovation	Energy-Efficient & Eco-Friendly Housing Solutions	https://projectboard.world/ysc/project/119362
Human Health Sciences				
3401	Intermediate	Innovation	La transformation bactérienne: résoudre le problème de la résistance bactérienne	https://projectboard.world/ysc/project/118182
3402	Intermediate	Discovery	Stopping Cancer In Its Tracks; How Does Fructose Enable Cancer Cell Metastasis?	https://projectboard.world/ysc/project/119364
3451	Intermediate	Discovery	Résistance Antibiotique	https://projectboard.world/ysc/project/120779

Senior Projects (Grades 11 and 12)

ProjNum	Grade category	Type	Project title	ProjectBoard link
Physical and Math Sciences				
4251	Senior	Discovery	Analyzing the Absorption Spectra of Aqueous Metal Salts	https://projectboard.world/ysc/project/117671
Computing and Engineering Sciences				
4301	Senior	Innovation	Depressed or Not? Using Large Language Models to Predict Depression from Social Media Posts	https://projectboard.world/ysc/project/117828
4351	Senior	Innovation	Protecting the Motherland - one byte at a time	https://projectboard.world/ysc/project/118899
Human Health Sciences				
4401	Senior	Discovery	Interactions between Environmental Chemicals and Drug Biotransformation	https://projectboard.world/ysc/project/interactions-between-environmental-chemicals-and-drug-biotransformation-gnjqdo
4403	Senior	Discovery	The effect of stress on the immune system	https://projectboard.world/ysc/project/118084