

PLACEMENT	CATEGORY	PROJECT NUMBER	PROJECT NAME	SCHOOL	GRADE	STATE COMPETITION
1	Animal Sciences	0051-118	Testing the Effects of Essential Oil Aromatherapy on the Movements of <i>Gecarcinus quadratus</i>	Sarasota High	11	
1	Behavioral & Social Sciences	0051-44	Testing the Effects of Traumatic Brain Injury on <i>Drosophila melanogaster</i>	Sarasota High	12	State Competition
2	Behavioral & Social Sciences	0051-52	The Effects of Concussions and Short Term Memory Loss in High School Football Athletes	Sarasota High	10	
1	Biomedical & Health Sciences	0021-71	A Novel Machine Learning Approach to the Diagnosis of Heart Abnormalities	Pine View School	10	State Competition
2	Biomedical & Health Sciences	0221-42	What Does Your Deflection Reflect?	Venice High	12	
1	Cellular / Molecular Biology & Biochemistry	0051-43	Modifying Substrate Mechanics to Engineer an <i>in vitro</i> Tumor Microenvironment	Sarasota High	12	State Competition
2	Cellular / Molecular Biology & Biochemistry	0051-86	The Effects of Mild Traumatic Brain Injury on the Visual System in Mice Species	Sarasota High	12	
1	Chemistry	0181-125	What is the Ratio between Grams of Charcoal to Volume of Carbonated Water in the Ability to Sequester CO₂ within a Biochar System?	Riverview High	12	State Competition
2	Chemistry	0181-123	An Investigation into the Crosslinking Properties of 1,2,3-Propanetriol to Increase Resilience in Polyurethane Foam through a Weight Drop Test	Riverview High	12	
1	Earth & Environmental Sciences	0051-120	Comparing the Effects of an Insecticide Containing Diatomaceous Earth, Store-Bought Insecticide, Diatomaceous Earth and 2 Common Active Ingredients Found in the Insecticides on Aquatic Microorganisms	Sarasota High	11	

2	Earth & Environmental Sciences	1251-112	An Oily Mess	North Port High	9	
1	Engineering	0051-82	Alzheimer's Treatment via Solubilized-Curcumin Buccal Patch	Sarasota High	10	State Competition
2	Engineering	0051-69	Determining the Effects of Temperature on Synovial Fluid Viscosity via Magnetic Nanoparticle Translation	Sarasota High	12	State Competition
1	Environmental Engineering	0051-89	Effects of Light Levels and Glucose Diet on the Production of Oil from <i>Ankistrodesmus</i> and <i>Dictyota</i>	Sarasota High	11	
1	Intelligent Machines, Robotics and Systems Software	0051-48	A Medical Cloud-Based Program to Recommend Antibiotics for Common Bacterial Infections	Sarasota High	10	
1	Mathematics & Computational Sciences	1391-5	Mathemagics: The Mathematical Computations of Probability	Suncoast Polytechnical High	9	
1	Microbiology	0051-45	The Effect of Retinol, Thiamine, Ascorbic Acid, and Cholecalciferol on the Regeneration of Planarian and Mouse Cortical Stem Cells	Sarasota High	11	State Competition
2	Microbiology	1391-93	The Effect of Cleaning Agents on the Growth of Oral Bacteria	Suncoast Polytechnical High	9	
1	Physics & Astronomy	0021-76	Application of Cyclic Space Theory to Transfinite Mathematics	Pine View School	9	
1	Plant Sciences	0051-61	Increasing Growth Efficiency of <i>Brassica rapa</i> with the Use of Plant Stem Cells	Sarasota High	12	State Competition
2	Plant Sciences	0051-55	The Effects of Gamma Radiation on the Organic Materials <i>Lentinula edodes</i> , <i>Pleurotus ostreatus</i> , and <i>Hericium americanum</i>	Sarasota High	10	