



Louisiana State Science  
& Engineering Fair  
2023

Senior Division Results

April 5, 2023

Louisiana State  
University

Animal Sciences						
1	St. Amant	Riley	11	St. Joseph's Academy	AN-51001	The Prevalence of Ophryocystis elektroscirrha Infection in the Southern Louisiana Danaus plexippus Population
2	Keller	Jacelyn	11	St. Joseph's Academy	AN-51002	The Effect of Pollen Taste on Visitation Rates of the Apis Mellifera
3	Martin	Bryce	11	Isidore Newman School	AN-51012	Testing Pomacea bridgesii eggs with different time variables
3	Reddy	Rohan	11	Isidore Newman School	AN-51012	Testing Pomacea bridgesii eggs with different time variables
4	Martin	Adriana	10	Loyola College Preparatory School	AN-51008	How do Elephants Regulate Their Body
Behavioral & Social Sciences						
1	Manikandan	Shrivats	9	Caddo Parish Magnet High School	BEH-52004	The Effects of Methamphetamine on Brain Microvascular Endothelial Cell Structure and Function in the Blood Brain Barrier
2	Chanda-Rastogi	Keya	10	Baton Rouge Magnet High School	BEH-52002	Using Artificial Fixation Points to Increase the Reading Speed of Select Populations
3	Michael	Katherine	12	Caddo Parish Magnet High School	BEH-52006	Psychological Well-Being, Negative Affect, and Sleep Quality in relation to brain structure
4	Yu	Peter	10	Louisiana School for Math Science the Arts	BEH-52003	A Machine Learning Approach for Detecting Depression among College Students
	DeCarlo	Ellie	11	St. Joseph's Academy	BEH-52001	The Effect of Anxiety, Depression, and OCD on the Severity and Consistency of Trichotillomania
Honorable Mention	Fairchild	James	11	Patrick F. Taylor Science Technology Academy	BEH-52005	The Correlation of Cognitive Functions and Video Game Play
Biochemistry						
1	Beach	Mary Ellis	10	St. Joseph's Academy	BC-53001	The Influence of T2R Status on SARS-CoV-2 Outcomes in a High School Population
2	Williams	Jaymon	9	John Curtis Christian	BC-53005	Does Temperature Affect the ph of Orangre Juice
3	Wright	Kasen	12	Southwood High School	BC-53004	The Lack of Neurogranin Affects Mitochondria Dynamics
4	Kirkpatrick	Christopher	12	Southwood High School	BC-53003	Inhibition of ADCK1 gene expression in liver cancer
Biomedical & Health Sciences						
1	Letchuman	Raj	12	Caddo Parish Magnet High School	BM-54009	CaSR-GSH Interaction: Finding an Effective Antagonist
2	Hu	Kathy	11	Episcopal School of Baton Rouge	BM-54002	Adolescents' dietary quality, cardiometabolic risk, and adiposity: A prospective cohort study
3	Abed	Saja	11	New Orleans Charter Science and Mathematics HS	BM-54007	Which remedies can help women manage menstrual cramps?
3	Triminio	Staicy	11	New Orleans Charter Science and Mathematics HS	BM-54007	Which remedies can help women manage menstrual cramps?
4	Alwood	Sela	10	St. Joseph's Academy	BM-54001	Comparing Manual and Mechanical Heads-Up Cardiopulmonary Resuscitation

Biomedical Engineering						
1	Penales	Karlo	11	Loyola College Preparatory School	BE-55004	Soft Robotic Assembly of Three-Dimensional Printed Capsules to Aid with the Visually Impaired
2	Moe	Margaret	12	St. Joseph's Academy	BE-55002	Generation of 3D Co-Cultured Breast Cancer Spheroids to Study the Spatial Distribution of Fibroblast-Produced Collagen
3	Zapata	Laura	11	St. Joseph's Academy	BE-55001	Multimodal Label-Free Monitoring of Stem Cell Differentiation: Confocal Microscopy
4	Oyuela	Catherine	12	Kenner Discovery Health Sciences Academy	BE-55005	Fighting for Stethoscopes: Creating a Medical Instrument for War Zones
4	Quintero	Doris	12	Kenner Discovery Health Sciences Academy	BE-55005	Fighting for Stethoscopes: Creating a Medical Instrument for War Zones
	Livingston	Lexi	12	Southwood High School	BE-55006	3D Printing Models of the Circle of Willis for Endovascular Planning and Practice
Honorable Mention	Carroll	Courtney	12	Cabrini High School	BE-55003	Anchor Needle
Cellular & Molecular Biology						
1	Miller	Chloe	12	C.E. Byrd High School	CE-56006	Effects of SOD2 Mimetic (BMX-001) on Myocardial Ischemia Reperfusion Injury
2	Devireddy	Veda	11	Baton Rouge Magnet High School	CE-56002	Single Cell Analysis of Deubiquitinating Enzyme (DUB) Activity in a Microfluidic Droplet Trapping Array
3	Jones	Whitney	12	Southwood High School	CE-56005	Age-Related BDNF and pTrkB following Cerebral Ischemia
4	Yang	Alexander	9	Baton Rouge Magnet High School	CE-56001	How a S. aureus Protein Manipulates Human Leukocytes
	Cao	Emily	11	Terrebonne High School	CE-56003	Rising in the Yeast
	Holliday	Chloe	12	Kenner Discovery Health Sciences Academy	CE-56004	Anti-Inflammatory Drug Solubility
Honorable Mention	Nawaz	Saarah	12	Kenner Discovery Health Sciences Academy	CE-56004	Anti-Inflammatory Drug Solubility
Chemistry						
1	Simmons	Merrin	11	John Curtis Christian	CH-57005	Can Cleaning Agents Inhibit the Detection Ability of Luminol
2	Chiruguru	Susanna	10	LaGrange High School	CH-57003	PRESERVING AQUATIC LIFE FROM THE HARMFUL EFFECTS OF OCEAN ACIDIFICATION
3	LeBoeuf	Cody	11	South Terrebonne High School	CH-57004	Rocket Ready Go!
4	Mayeux	Zaira	10	St. Joseph's Academy	CH-57001	The Effect of Aqueous Organic Matter on BOD Levels
	Knoebel	Ruby	11	Caddo Parish Magnet High School	CH-57006	The Decomposition of Plastics in Water and Vinegar
	Haughton	Kyleigh	9	Glenbrook School	CH-57008	Electrolytes In Water VS Sports Drinks
	Mistretta	Dominic	11	Holy Cross School	CH-57007	Common Beverages and their acidity
Computational Biology & Bioinformatic:						
1	Shah	Aashni	10	Caddo Parish Magnet High School	CB-58004	How Human Induced Pluripotent Stem Cells (hiPSCs) Can Be Used to Bioengineer an Essential Organ – The Kidney
2	Veerareddy	Anjali	11	Caddo Parish Magnet High School	CB-58005	An Investigation of Intelligence from Demographics to Neural Networks
3	Zaman	Ahan	10	Baton Rouge Magnet High School	CB-58001	Designing RNA Gene Circuits with Incoherent Type-1 Feed-forward Loop
4	Tyagi	Tejasvi	10	Baton Rouge Magnet High School	CB-58003	Diagnosing melanoma using Convolutional Neural Networks

Earth & Environmental Sciences						
1	Chen	Emily	10	Baton Rouge Magnet High School	EA-59002	Solute Movement in Surface Water with Different Stream and River Geometries
2	Desai	Arjun	10	Caddo Parish Magnet High School	EA-59010	The Efficacy of a Biomimetic Design Derived from Stenocara gracilipes in Efforts Maximize Water Collection and Alleviate Concerns with the Global Water Crisis
3	Pipsair	Grace	11	St. Joseph's Academy	EA-59001	Methane Uptake and Emissions by Soils and Sediments
4	Hoover	Madison	11	Patrick F. Taylor Science Technology Academy	EA-59008	The Hidden Risk of Residues of Insecticides in Honey
	Richard	Jonah	9	Holy Cross School	EA-59006	Behind Bars
	Davis	Jayden	11	Holy Cross School	EA-59004	Nitrogen Phosphorus Levels Found in Water Run-Off
	Brown	Ava Grace	9	Eunice High School	EA-59009	H2Ohhhhh
	Pedigo	Parker	9	Eunice High School	EA-59009	H2Ohhhhh
	Ledet	Haylie	11	Terrebonne High School	EA-59005	Seed Germination vs. Acid Rain
	Iazard	Iaila	10	Opelousas Catholic School	EA-59007	It's The Cabbage Patch
	Prudhomme	Courtney	9	Opelousas Catholic School	EA-59007	It's The Cabbage Patch
Honorable Mention	Kaluturi	Jonathan	9	Alfred M. Barbe High School	EA-59003	The effects of antacids and their impact on pH levels of waters affected by textile pollution
Embedded Systems						
1	Stentiford	Kenzie	10	St. Joseph's Academy	EB-60001	Detecting Hidden Security Threats with Thermal Camera
2	Kizilkaya	Aliye	9	Baton Rouge Magnet High School	EB-60002	Is it Ripe?
3	Hartman	Ava	11	Isidore Newman School	EB-60003	Rock My Run: Generating the Optimal Running Playlist
Energy: Sustainable Materials & Design						
1	Syed	Nuha	11	Baton Rouge Magnet High School	ES-61002	Alkali Metal Crossover Mitigation in CO2 RR Systems
2	Tao	Lee	12	Benjamin Franklin High School	ES-61003	An Accessible Experiment to Access the Impact of the Shapes of Buildings and Roofs on Wind Resistance
3	Fontenot	Presleigh	11	St. Joseph's Academy	ES-61001	The Effect of Material on the Absorbance, Stretch, and Amount of Water and Debris Let Through on a Silt Fence
4	Tewelde	Delina	11	Patrick F. Taylor Science Technology Academy	ES-61005	Evaluating Acid and Alkaline Pretreatments of Sugarcane By-products to Optimize Biofuel Production
Honorable Mention	Moreau	Zane	10	NELCHA	ES-61004	Capturing the Sun
Engineering Technology: Statics & Dynamics						
1	Day	Josephine	12	Iberville Math Science and Arts Academy East	ENG-63001	3D Printed Bricks Based Off Mud Dauber Wasp Nest
2	Lopez	Allison	12	John Curtis Christian	ENG-63003	THE KEY TO CONFIDENTIALITY: Finding a Solution to Detrimental Key Duplication
3	Cascante	Miguel	9	Loyola College Preparatory School	ENG-63006	Motion Sensor
4	Benites	Omar	10	Captain Shreve High School	ENG-63007	One Room, One School, Endless Possibilities
4	Carter	Korde	11	Captain Shreve High School	ENG-63007	One Room, One School, Endless Possibilities
	Naquin	Bree	11	Cabrini High School	ENG-63005	The Heavy Lifter
Environmental Engineering						
1	Barker	Ella	11	St. Joseph's Academy	EE-64001	Combustion Carbon Capture Via Aqueous solution
2	Hubbell	Rosalyn	9	H. L. Bourgeois High School	EE-64004	Solar Powered Purification and Color
3	Zhu	Louisa	11	Baton Rouge Magnet High School	EE-64002	Geotechnical Analysis and Comparison of Recycled Sediment for Coastal Restoration
4	Peters	Tricia	12	John Curtis Christian	EE-64005	Does the consistency of different types of soil affect the weight-bearing capacity of small-scale, wooden piles?
4	Randall	Jack	11	Caddo Parish Magnet High School	EE-64006	Comparing the Efficiencies of Wind Turbine Designs
	Engel	Tracy	10	Hahnville High School	EE-64003	Water Filtration
Honorable Mention	Hafeez	Haania	11	Patrick F. Taylor Science Technology Academy	EE-64007	Catnip's effect on mosquitoes versus DEET

Materials Science						
1	Luo	Keanna	12	Baton Rouge Magnet High School	MS-65003	Removing Lead(II) and Chromium(VI) Ions From Water Using UV-C Light and A Immobilized TiO2 Photocatalyst
2	Schempf	Addy	11	St. Joseph's Academy	MS-65002	Nano-engineered Superwood for Resilient Foundation System
3	Guidry	Gunner	10	Holy Cross School	MS-65005	Braid, Monofilament, Fluorocarbon
Mathematics						
1	Dao	Nhi	12	Caddo Parish Magnet High School	MA-66004	On Fractal Knots: Algorithmic Generation and Quantitative Analysis
2	Shin	Heepeom	10	Baton Rouge Magnet High School	MA-66001	Mathematics in Complete Graphs
3	Ren	Sophia	11	Baton Rouge Magnet High School	MA-66003	Mathematics in Tiling
3	Wang	Andrew	11	Baton Rouge Magnet High School	MA-66003	Mathematics in Tiling
Microbiology						
1	Miller	Gabrielle	12	Caddo Parish Magnet High School	MC-67005	Bordetella Bronchiseptica Blocks Eosinophil Trap Formation via a btrS-Associated Mechanism to Prevent Clearance of Infection
2	Klotzbach	Elizabeth	12	C.E. Byrd High School	MC-67006	Human Cytomegalovirus Upregulates Syntaxin 6 in Monocytes Through The Manipulation of Cell Signaling Pathways
3	Huynh	Summer	11	Patrick F. Taylor Science Technology Academy	MC-67008	The Effect of Menthol, Methyl Salicylate, and Camphor on S. epidermidis and M. luteus
4	Shafi	Amaan	10	Baton Rouge Magnet High School	MC-67003	Do Heavy Metals Affect Iron Homeostasis in E. Coli Bacterial Cells?
Honorable Mention	Tullier	Caroline	11	St. Joseph's Academy	MC-67002	Symbiotic Effects of P. australis, L. edodes, and Penicillin on E. coli and S. epidermidis
Physics & Astronomy						
1	Buffone	Juliette	11	St. Joseph's Academy	PH-68001	The Effects of Sound-proofing Insulations on a Metal Roof
2	Baldassaro	Gage	11	Holy Cross School	PH-68006	What are the most optimal measurements for a medium sized trebuchet?
3	Jiang	Ivy	11	Episcopal School of Baton Rouge	PH-68002	Stonehenge in Hand: Reconstructing Prehistoric Calendars from the Lozenge Unit of Length
4	Messina	Felecity	11	H. L. Bourgeois High School	PH-68004	How fast is fast?
4	Pellegrin	Brea	11	H. L. Bourgeois High School	PH-68004	How fast is fast?
Honorable Mention	Wrightson	Micallee	10	Caddo Parish Magnet High School	PH-68003	Superconducting The Future!
Plant Sciences						
1	Sam-Pang	Michael	12	John Curtis Christian	PS-69005	Year VII: Determining the Factors that Increase Red Bean Germination to Help Feed the World
2	Yurochko	Alexa	10	Caddo Parish Magnet High School	PS-69007	Can Algae be used as a environmentally friendly battery?
3	Stockstill	Kate	11	St. Joseph's Academy	PS-69002	The Effects of Carbon Dioxide on Brassica Rapa Plants
4	Diez	David	9	Baton Rouge Magnet High School	PS-69003	Is the Aquaponics system as efficient as a traditional Nelson-Pade Aquaponics system?
Honorable Mention	Saikolappan	Sivamayuri	9	Caddo Parish Magnet High School	PS-69004	How Are Plants Able to React to Stimulus?
Robotics & Intelligent Machines						
1	Chen	Sophie	11	Caddo Parish Magnet High School	RO-70006	Intraoperative Histological Analysis of Squamous Cell Carcinoma Tumor Margins using a Convolutional Neural Network
2	Trutschl	Maya	9	Caddo Parish Magnet High School	RO-70004	Reducing Risks of Transfusion Hemolytic Reactions: Using Artificial Intelligence to Accurately Classify Monocytes and Calculate the Monocyte Index
3	Smith	Kaitlyn	10	Baton Rouge Magnet High School	RO-70002	Reinforcement Learning in Flappy Bird
4	Fontenot	Aaron	11	LaGrange High School	RO-70005	Improving the Clawbot
4	Grace	Anna	11	LaGrange High School	RO-70005	Improving the Clawbot
Systems Software						
1	Wei	William	11	Baton Rouge Magnet High School	SS-71002	Building a Credit Assessment Model from Learned User Behavior to Assist Fake News Detection on Twitter: A Bayesian Framework
2	Tamidela	Srija	11	Patrick F. Taylor Science Technology Academy	SS-71004	Measuring the Correlation Between Website Accessibility and Interactivity
3	LaBauve	Callista	10	St. Joseph's Academy	SS-71001	The Benefits of Virtual Reality as a Substitute for School Science Laboratories
4	Bergeron	Emily	12	Kenner Discovery Health Sciences Academy	SS-71003	Mobile App That Accurately Calculates Insulin Dosages
4	Lempfert	Kamryn	12	Kenner Discovery Health Sciences Academy	SS-71003	Mobile App That Accurately Calculates Insulin Dosages
Translational Medical Science						
1	Primeaux	Jolie	11	St. Joseph's Academy	TM-72001	The Effects of Alcohol on Taste Receptor Expression and Fungiform Papillae Density

Louisiana Section of the American Society of Civil Engineers Special Award						
	Fontenot	Presleigh	11	St. Joseph's Academy	ES-61001	The Effect of Material on the Absorbance, Stretch, and Amount of Water and Debris Let Through on a Silt Fence
	Barker	Ella	11	St. Joseph's Academy	EE-64001	Combustion Carbon Capture Via Aqueous solution
Louisiana Section of the Air & Waste Management Association Special Award						
	Yurochko	Alexa	10	Caddo Parish Magnet High School	PS-69007	Can Algae be used as a environmentally friendly battery?
	Tewelde	Delina	11	Patrick F. Taylor Science Technology Academy	ES-61005	Evaluating Acid and Alkaline Pretreatments of Sugarcane By-products to Optimize Biofuel Production
	Barker	Ella	11	St. Joseph's Academy	EE-64001	Combustion Carbon Capture Via Aqueous solut
Louisiana State Horticultural Society Special Award						
	Sam-Pang	Michael	12	John Curtis Christian	PS-69005	Year VII: Determining the Factors that Increase Red Bean Germination to Help Feed the World
	Keller	Jacelyn	11	St. Joseph's Academy	AN-51002	The Effect of Pollen Taste on Visitation Rates of the Apis Mellifera
Aerospace Medical Association Special Award						
1st Place	Shah	Aashni	10	Caddo Parish Magnet High School	CB-58004	How Human Induced Pluripotent Stem Cells (hiPSCs) Can Be Used to Bioengineer an Essential Organ – The Kidney
1st Place	Chiruguru	Susanna	10	LaGrange High School	CH-57003	PRESERVING AQUATIC LIFE FROM THE HARMFUL EFFECTS OF OCEAN ACIDIFICATION
1st Place	Mayeux	Zaira	10	St. Joseph's Academy	CH-57001	The Effect of Aqueous Organic Matter on BOD Levels
2nd Place	Alwood	Sela	10	St. Joseph's Academy	BM-54001	Comparing Manual and Mechanical Heads-Up Cardiopulmonary Resuscitation
2nd Place	Moe	Margaret	12	St. Joseph's Academy	BE-55002	Generation of 3D Co-Cultured Breast Cancer Spheroids to Study the Spatial Distribution of Fibroblast-Produced Collagen
2nd Place	Devireddy	Veda	11	Baton Rouge Magnet High School	CE-56002	Single Cell Analysis of Deubiquitinating Enzyme (DUB) Activity in a Microfluidic Droplet Trapping Array
2nd Place	Yang	Alexander	9	Baton Rouge Magnet High School	CE-56001	How a S. aureus Protein Manipulates Human Leukocytes
2nd Place	Trutschl	Maya	9	Caddo Parish Magnet High School	RO-70004	Reducing Risks of Transfusion Hemolytic Reactions: Using Artificial Intelligence to Accurately Classify Monocytes and Calculate the Monocyte Index
2nd Place	Zaman	Ahan	10	Baton Rouge Magnet High School	CB-58001	Designing RNA Gene Circuits with Incoherent Type-1 Feed-forward Loop
2nd Place	Shafi	Amaan	10	Baton Rouge Magnet High School	MC-67003	Do Heavy Metals Affect Iron Homeostasis in E. Coli Bacterial Cells?
2nd Place	Tullier	Caroline	11	St. Joseph's Academy	MC-67002	Symbiotic Effects of P. australis, L. edodes, and Penicillin on E. coli and S. epidermidis
2nd Place	Primeaux	Jolie	11	St. Joseph's Academy	TM-72001	The Effects of Alcohol on Taste Receptor Expression and Fungiform Papillae Density
2nd Place	Chanda-Rastogi	Keya	10	Baton Rouge Magnet High School	BEH-52002	Using Artificial Fixation Points to Increase the Reading Speed of Sele Populations
American Psychological Association Special Award						
	Yu	Peter	10	Louisiana School for Math Science the Arts	BEH-52003	A Machine Learning Approach for Detecting Depression among College Students
Association for Women Geoscientists Special Award						
	Barker	Ella	11	St. Joseph's Academy	EE-64001	Combustion Carbon Capture Via Aqueous solution
NASA Earth System Science Award						
	Day	Josephine	12	Iberville Math Science and Arts Academy East	ENG-63001	3D Printed Bricks Based Off Mud Dauber Wasp Nest
National Geographic Society Special Award						
	Stentiford	Kenzie	10	St. Joseph's Academy	EB-60001	Detecting Hidden Security Threats with Thermal Camera
National Oceanic and Atmospheric Administration Award						
	Chiruguru	Susanna	10	LaGrange High School	CH-57003	PRESERVING AQUATIC LIFE FROM THE HARMFUL EFFECTS OF OCEAN ACIDIFICATION

Office of Naval Research (ONR) Special Award						
	Stentiford	Kenzie	10	St. Joseph's Academy	EB-60001	Detecting Hidden Security Threats with Thermal Camera
	Simmons	Merrin	11	John Curtis Christian	CH-57005	Can Cleaning Agents Inhibit the Detection Ability of Luminol
	Manikandan	Shrivats	9	Caddo Parish Magnet High School	BEH-52004	The Effects of Methamphetamine on Brain Microvascular Endothelial Cell Structure and Function in the Blood Brain Barrier
Regeneron Biomedical Science Award						
	Shah	Aashni	10	Caddo Parish Magnet High School	CB-58004	How Human Induced Pluripotent Stem Cells (hiPSCs) Can Be Used to Bioengineer an Essential Organ – The Kidney
Ricoh, USA, Inc. Special Award						
	Luo	Keanna	12	Baton Rouge Magnet High School	MS-65003	Removing Lead(II) and Chromium(VI) Ions From Water Using UV-C Light and A Immobilized TiO2 Photocatalyst
Society for In Vitro Biology Special Award						
	Devireddy	Veda	11	Baton Rouge Magnet High School	CE-56002	Single Cell Analysis of Deubiquitinating Enzyme (DUB) Activity in a Microfluidic Droplet Trapping Array
U.S. Agency for International Development (USAID)						
	Stentiford	Kenzie	10	St. Joseph's Academy	EB-60001	Detecting Hidden Security Threats with Thermal Camera
U.S. Metric Association Special Award						
	Jiang	Ivy	11	Episcopal School of Baton Rouge	PH-68002	Stonehenge in Hand: Reconstructing Prehistoric Calendars from the Lozenge Unit of Length
U.S Stockholm Junior Water Prize						
	Mayeux	Zaira	10	St. Joseph's Academy	CH-57001	The Effect of Aqueous Organic Matter on BOD Levels
United States Air Force Special Award						
	Chen	Sophie	11	Caddo Parish Magnet High School	RO-70006	Intraoperative Histological Analysis of Squamous Cell Carcinoma Tumor Margins using a Convolutional Neural Network
	LeBoeuf	Cody	11	South Terrebonne High School	CH-57004	Rocket Ready Go!
Yale Science & Engineering Association Special Award						
	Veerareddy	Anjali	11	Caddo Parish Magnet High School	CB-58005	An Investigation of Intelligence from Demographics to Neural Networks



International Science & Engineering Fair (ISEF) Nominees						
	Simmons	Merrin	11	John Curtis Christian	CH-57005	Can Cleaning Agents Inhibit the Detection Ability of Luminol
	Stentiford	Kenzie	10	St. Joseph's Academy	EB-60001	Detecting Hidden Security Threats with Thermal Camera
	Day	Josephine	12	Iberville Math Science and Arts Academy East	ENG-63001	3D Printed Bricks Based Off Mud Dauber Wasp Nest
	Letchuman	Raj	12	Caddo Parish Magnet High School	BM-54009	CaSR-GSH Interaction: Finding an Effective Antagonist
	Barker	Ella	11	St. Joseph's Academy	EE-64001	Combustion Carbon Capture Via Aqueous solution
	St. Amant	Riley	11	St. Joseph's Academy	AN-51001	The Prevalence of Ophryocystis elektroscirra Infection in the Southern Louisiana Danaus plexippus Population
1st Place Overall						
	Simmons	Merrin	11	John Curtis Christian	CH-57005	Can Cleaning Agents Inhibit the Detection Ability of Luminol
2nd Place Overall						
	Stentiford	Kenzie	10	St. Joseph's Academy	EB-60001	Detecting Hidden Security Threats with Thermal Camera
Top Scoring School						
	Saint Joseph's Academy					