

# Lehigh Valley Science Fair 2018 Awards List

## Senior Fair (A) - Botany (300)

Award		Project	Del Val
1st Place	A0301	<b><i>Testing The Effect Of Plant Hormones On Chlorophytum Comosum</i></b> <b>Yee Chan - Parkland High School</b> Sponsor - Michael Post	<input checked="" type="checkbox"/>

## Senior Fair (A) - Mathematics (1000)

Award		Project	Del Val
1st Place	A1001	<b><i>Developing And Testing An Integral Calculator</i></b> <b>Elizabeth Marlin - Our Lady of Mt. Carmel Homeschool</b> Sponsor - John Marlin	<input checked="" type="checkbox"/>

## Senior Fair (A) - Physics (1300)

Award		Project	Del Val
1st Place	A1302	<b><i>To What Extent Does Frequency Affect The Amplitude Of Sound?</i></b> <b>Benjamin Wilson - Emmaus High School</b> Sponsor - Brent Landrum	<input checked="" type="checkbox"/>

## Senior Fair (A) - Team Projects (1500)

Award		Project	Del Val
1st Place	A1501	<b><i>Using Image-Based Processing To Discern Environmental Conditions</i></b> <b>Man Nguyen - Liberty High School</b> <b>Stephen Tremple - Liberty High School</b> Sponsor - Melissa Waldron	<input checked="" type="checkbox"/>

## Junior Fair (B) - Behavior & Social Sciences (100)

Award		Project	Del Val
1st Place	B0101	<b><i>Studying The Effects Of The Perception Of Racism</i></b> <b>Vivek Adury - Liberty High School</b> Sponsor - Melissa Waldron	<input checked="" type="checkbox"/>
2nd Place	B0102	<b><i>Improving Academic Performance</i></b> <b>Christine Hutchinson - Parkland High School</b> Sponsor - Michael Post	<input checked="" type="checkbox"/>

# Lehigh Valley Science Fair 2018 Awards List

## Junior Fair (B) - Biochemistry (200)

Award		Project	Del Val
1st Place	B0201	<b><i>Using Cytokines To Speed Up hMSC Motility</i></b> <b>Divisha Singh - Parkland High School</b> Sponsor - Michael Post	<input checked="" type="checkbox"/>
2nd Place	B0202	<b><i>Novel Target for Drug Therapy in Post Traumatic Epilepsy</i></b> <b>Priyanka Hanumaihgari - Parkland High School</b> Sponsor - Michael Post	<input checked="" type="checkbox"/>

## Junior Fair (B) - Earth & Space Sciences (600)

Award		Project	Del Val
1st Place	B0601	<b><i>TransPHormation</i></b> <b>Prachi Soni - Parkland High School</b> Sponsor - Michael Post	<input checked="" type="checkbox"/>

## Junior Fair (B) - Engineering (700)

Award		Project	Del Val
1st Place	B0703	<b><i>Development Of An Optimum Insulating Brick: Application Of The Taguchi Method For Experimental Design</i></b> <b>Isha Mohapatra - Moravian Academy</b> Sponsor - Gabriella Dee	<input checked="" type="checkbox"/>
2nd Place	B0704	<b><i>Creating Water Using A Catalytic Converter</i></b> <b>Kailyn Seixas - Liberty High School</b> Sponsor - Melissa Waldron	<input checked="" type="checkbox"/>
3rd Place	B0705	<b><i>The Strategies Of Logistic Allocation And Distribution</i></b> <b>Murong Yao - Parkland High School</b> Sponsor - Michael Post	<input checked="" type="checkbox"/>
Honorable Mention	B0702	<b><i>Classification Of Brain Waves Using Artificial Neural Networks</i></b> <b>Rhea Kadakia - Parkland High School</b> Sponsor - Michael Post	<input type="checkbox"/>

# Lehigh Valley Science Fair 2018 Awards List

## Junior Fair (B) - Environmental (800)

Award		Project	Del Val
1st Place	B0801	<b><i>Can Daphnia magna Be Introduced To Highly Eutrophic Water?</i></b> <b>Elizabeth Stifel - Moravian Academy</b> Sponsor - Gabriella Dee	<input checked="" type="checkbox"/>

## Junior Fair (B) - Medicine & Health (1100)

Award		Project	Del Val
1st Place	B1101	<b><i>DKA Diagnosis: A Novel Method For The Detection Of Early Onset Diabetic Ketoacidosis</i></b> <b>Nehali Gupta - Parkland High School</b> Sponsor - Michael Post	<input checked="" type="checkbox"/>
2nd Place	B1102	<b><i>The Effects OF Intermittent Fasting On Growth Hormone Levels, Specifically IGF-1</i></b> <b>Praneel Rajkumar - Parkland High School</b> Sponsor - Michael Post	<input checked="" type="checkbox"/>

## Junior Fair (B) - Microbiology (1200)

Award		Project	Del Val
1st Place	B1201	<b><i>What Is The Effect Of Cleaning Products On Escherichia coli Grown In Different Temperatures?</i></b> <b>Nichole Stettner - Moravian Academy</b> Sponsor - Gabriella Dee	<input checked="" type="checkbox"/>

## Junior Fair (B) - Physics (1300)

Award		Project	Del Val
1st Place	B1301	<b><i>On The Dynamic Control Of Quadrotors</i></b> <b>Valmiki Kothare - Parkland High School</b> Sponsor - Michael Post	<input checked="" type="checkbox"/>

# Lehigh Valley Science Fair 2018 Awards List

---

## Junior Fair (B) - Zoology (1400)

Award		Project	Del Val
1st Place	B1401	<b><i>The Effect of Various Doses of Caryophyllene as a Drug on the Induction of Apoptosis in 4T1 Mouse Mammary Carcinoma Cells and Immunoblotting Procedure for Detection of Apoptotic Pathway</i></b> <b>Sriyaa Suresh - Parkland High School</b> Sponsor - Michael Post	<input checked="" type="checkbox"/>

---

## Junior Fair (B) - Team Projects (1500)

Award		Project	Del Val
1st Place	B1501	<b><i>Calorimetry Of Carbohydrates: The Effect Of Carbohydrate Potency On The Enthalpy Of The Reaction Expressed Quantitatively In Kilocalories</i></b> <b>Morgan Philpot - Freedom High School</b> <b>Joseph DeLuca - Freedom High School</b> <b>Paras Chand - Freedom High School</b> Sponsor - Graceanne Ruggiero	<input checked="" type="checkbox"/>

---

## Sophomore Fair (C) - Behavior & Social Sciences (100)

Award		Project	Del Val
1st Place	C0101	<b><i>The Influence Of Temporary Physical Traits On Attraction</i></b> <b>Barbara Yurchishin - Liberty High School</b> Sponsor - Melissa Waldron	<input checked="" type="checkbox"/>

---

## Sophomore Fair (C) - Biochemistry (200)

Award		Project	Del Val
1st Place	C0201	<b><i>Biochemical Interactions Of Cardiac Ion-Blocking Agents And Channelrhodopsin - 2 In Optogenetic Pacing In Vivo Cardiovascular Diseases</i></b> <b>Rhea Malhotra - Moravian Academy</b> Sponsor - Gabriella Dee	<input checked="" type="checkbox"/>

---

# Lehigh Valley Science Fair 2018 Awards List

## Sophomore Fair (C) - Chemistry (400)

Award		Project	Del Val
1st Place	C0404	<b><i>Determining The Most Efficient Antacid In Reducing Acid Reflux</i></b> <b>Neha Pamidi - Parkland High School</b> Sponsor - Michael Post	<input checked="" type="checkbox"/>
2nd Place	C0402	<b><i>Encapsulating Paint Using Sodium Alginate</i></b> <b>Krishna Dihora - Southern Lehigh High School</b> Sponsor - Rachel Saber	<input checked="" type="checkbox"/>
3rd Place	C0401	<b><i>The Photoelectric Effect For Everyone</i></b> <b>Krishna Annambhotla - Southern Lehigh High School</b> Sponsor - Rachel Saber	<input checked="" type="checkbox"/>

## Sophomore Fair (C) - Computer (500)

Award		Project	Del Val
1st Place	C0501	<b><i>The Development Of A Medical Diagnostic Recurrent neural Network Utilizing Cheap Low Power Computation</i></b> <b>Neil Deshmukh - Moravian Academy</b> Sponsor - Gabriella Dee	<input checked="" type="checkbox"/>

## Sophomore Fair (C) - Earth & Space Sciences (600)

Award		Project	Del Val
1st Place	C0601	<b><i>Quantifying The Impact Of Moon Phase On Skyglow Using Digital Camera</i></b> <b>Ishaan Lal - Emmaus High School</b> Sponsor - Brent Landrum	<input checked="" type="checkbox"/>

## Sophomore Fair (C) - Engineering (700)

Award		Project	Del Val
1st Place	C0701	<b><i>Using Origami Engineering To Develop A More Efficient Angioplasty Stent</i></b> <b>Punya Bhasin - Parkland High School</b> Sponsor - Michael Post	<input checked="" type="checkbox"/>
2nd Place	C0703	<b><i>Asic Rapiu Prototyping Machine</i></b> <b>Harper Chisari - Parkland High School</b> Sponsor - Michael Post	<input checked="" type="checkbox"/>

# Lehigh Valley Science Fair 2018 Awards List

3rd Place	C0702	<b><i>Building A Homemade Longboard</i></b> <b>Aidan Connolly - Emmaus High School</b> Sponsor - Brent Landrum	<input checked="" type="checkbox"/>
-----------	-------	--	-------------------------------------

## Sophomore Fair (C) - Mathematics (1000)

Award		Project	Del Val
1st Place	C1001	<b><i>Objective And Subjective Probabilities: Use By Game Theory To Infer Subjective Probability Assessment</i></b> <b>Stefania Schoen - Emmaus High School</b> Sponsor - Brent Landrum	<input checked="" type="checkbox"/>
2nd Place	C1002	<b><i>Exploring Alternative Apportionment Techniques In The House Of Representatives</i></b> <b>Stephanie Sipics - Emmaus High School</b> Sponsor - Brent Landrum	<input checked="" type="checkbox"/>

## Sophomore Fair (C) - Microbiology (1200)

Award		Project	Del Val
1st Place	C1201	<b><i>Vegan Leather</i></b> <b>Jace Mary - Liberty High School</b> Sponsor - Melissa Waldron	<input checked="" type="checkbox"/>

## Sophomore Fair (C) - Physics (1300)

Award		Project	Del Val
1st Place	C1301	<b><i>The Efficiency Of Transformer Cores VS. Frequency</i></b> <b>Anya Pant - Parkland High School</b> Sponsor - Michael Post	<input checked="" type="checkbox"/>
2nd Place	C1302	<b><i>Phone Phobia: Do Cell Phones Emit Electromagnetic Radiation?</i></b> <b>Avi Singh - Moravian Academy</b> Sponsor - Gabriella Dee	<input checked="" type="checkbox"/>

## Ninth Grade Fair (D) - Behavior & Social Sciences (100)

Award		Project	Del Val
1st Place	D0101	<b><i>Does Stress Affect Body Temperature?</i></b> <b>Snehal Gupta - Parkland High School</b> Sponsor - Michael Post	<input checked="" type="checkbox"/>

# Lehigh Valley Science Fair 2018 Awards List

---

## Ninth Grade Fair (D) - Biochemistry (200)

Award		Project	Del Val
1st Place	D0202	<b><i>Targeting Apoptotic Pathways by Regulating Caspase 3 with Chemopreventative Agents for Cancer Therapeutics</i></b> <b>Tanya Mehta - Parkland High School</b> Sponsor - Michael Post	<input checked="" type="checkbox"/>
2nd Place	D0201	<b><i>Shedding Light On How pH Affects Diatom Photosynthesis</i></b> <b>Alexa Balogh - Parkland High School</b> Sponsor - Michael Post	<input checked="" type="checkbox"/>

---

## Ninth Grade Fair (D) - Botany (300)

Award		Project	Del Val
1st Place	D0302	<b><i>What Amount Of Liquid Fertilizer Yields The Most Growth And Reproduction Of Duckweed With</i></b> <b>Luke Wilson - Emmaus High School</b> Sponsor - Brent Landrum	<input checked="" type="checkbox"/>

---

## Ninth Grade Fair (D) - Chemistry (400)

Award		Project	Del Val
1st Place	D0403	<b><i>Microfluidics: A pH Gradient Cell Sorter</i></b> <b>Akshatha Manjunatha - Parkland High School</b> Sponsor - Michael Post	<input checked="" type="checkbox"/>
2nd Place	D0405	<b><i>Does Colloidal Silver Have Antimicrobial Properties?</i></b> <b>Ronak Singh - Parkland High School</b> Sponsor - Michael Post	<input checked="" type="checkbox"/>
3rd Place	D0402	<b><i>The Study Of Chirality</i></b> <b>Arti Dhareshwar - Parkland High School</b> Sponsor - Michael Post	<input checked="" type="checkbox"/>

---

## Ninth Grade Fair (D) - Computer (500)

Award		Project	Del Val
1st Place	D0502	<b><i>Seeking A Solution For The Barrier Between The Hearing-Impaired And Society</i></b> <b>Dharshan Tharumia - Parkland High School</b> Sponsor - Michael Post	<input checked="" type="checkbox"/>

# Lehigh Valley Science Fair 2018 Awards List

2nd Place	D0501	<b><i>BACDrive: A Smart And Effective Approach To Preventing Drunk Driving</i></b>	<input checked="" type="checkbox"/>
		<b>Udit Garg - Parkland High School</b>	
		Sponsor - Michael Post	

---

## Ninth Grade Fair (D) - Earth & Space Sciences (600)

Award		Project	Del Val
1st Place	D0601	<b><i>Exploring Graphene: the Next Wonder Material</i></b>	<input checked="" type="checkbox"/>
		<b>Taran Anantasagar - Parkland High School</b>	
		Sponsor - Michael Post	

---

## Ninth Grade Fair (D) - Engineering (700)

Award		Project	Del Val
1st Place	D0704	<b><i>Efficiency Of Derived Airfoil Modeled Devices On Wind Velocity</i></b>	<input checked="" type="checkbox"/>
		<b>Priya Ramprabhu - Parkland High School</b>	
		Sponsor - Michael Post	
2nd Place	D0703	<b><i>Developing An Unconventional Adaptive Wind Turbine Blade Design Predominantly Focused To Increase Efficiency At Various Speeds</i></b>	<input checked="" type="checkbox"/>
		<b>Vedavyas Jampanaboyana - Parkland High School</b>	
		Sponsor - Michael Post	
3rd Place	D0702	<b><i>Wind Power: Creating The Most Efficient Blade</i></b>	<input checked="" type="checkbox"/>
		<b>Anam Ali - Parkland High School</b>	
		Sponsor - Michael Post	

---

## Ninth Grade Fair (D) - Environmental (800)

Award		Project	Del Val
1st Place	D0801	<b><i>Effect Of Various Wavelengths Of Light On the Output Of A Dye-Sensitized Photovoltaic Cell</i></b>	<input checked="" type="checkbox"/>
		<b>Sanjiv Parthasarathy - Parkland High School</b>	
		Sponsor - Michael Post	
2nd Place	D0802	<b><i>It's A Win-Win</i></b>	<input checked="" type="checkbox"/>
		<b>Aashika Shah - Parkland High School</b>	
		Sponsor - Michael Post	

---



# Lehigh Valley Science Fair 2018 Awards List

## Ninth Grade Fair (D) - Mathematics (1000)

Award		Project	Del Val
1st Place	D1003	<b><i>The Riemann Hypothesis</i></b> <b>Suchir Agarwal - Parkland High School</b> Sponsor - Michael Post	<input checked="" type="checkbox"/>
2nd Place	D1002	<b><i>Patterns In The Problem Of Apollonius</i></b> <b>Neha Skandan - Moravian Academy</b> Sponsor - Gabriella Dee	<input checked="" type="checkbox"/>
3rd Place	D1001	<b><i>Evolutionary Dynamics: Can We Use Game Theory To Find Conditions Leading To The "Best" Equilibrium?</i></b> <b>Pandora Schoen - Emmaus High School</b> Sponsor - Brent Landrum	<input checked="" type="checkbox"/>

## Ninth Grade Fair (D) - Medicine & Health (1100)

Award		Project	Del Val
1st Place	D1105	<b><i>Unfolding The Mysteries Of VWF Year 2: Computational Validation Of A2 Domain Unfolding</i></b> <b>Prathysha Kothare - Parkland High School</b> Sponsor - Michael Post	<input checked="" type="checkbox"/>
2nd Place	D1102	<b><i>Identifying Inhibitors of Protein Tyrosine Phosphate 1B (PTP1B)</i></b> <b>Gokul Perugu - Parkland High School</b> Sponsor - Michael Post	<input checked="" type="checkbox"/>
3rd Place	D1103	<b><i>ALS: The Muscle Vandal</i></b> <b>Aishani Ramoju - Parkland High School</b> Sponsor - Michael Post	<input checked="" type="checkbox"/>
Honorable Mention	D1104	<b><i>Are Hearing Aids Necessary?</i></b> <b>Kavin Sampath - Moravian Academy</b> Sponsor - Gabriella Dee	<input type="checkbox"/>

## Ninth Grade Fair (D) - Microbiology (1200)

Award		Project	Del Val
1st Place	D1201	<b><i>Inducing Apoptosis In S. cerevisiae Cells</i></b> <b>Purva Gupta - Parkland High School</b> Sponsor - Michael Post	<input checked="" type="checkbox"/>

# Lehigh Valley Science Fair 2018

## Awards List

2nd Place	D1202	<b><i>The Effectiveness Of Dandelions On Inhibiting The Growth Of Bacteria</i></b> <b>Pranav Balabhadra - Parkland High School</b> Sponsor - Michael Post	<input checked="" type="checkbox"/>
3rd Place	D1203	<b><i>The Effect Of Antibiotics On Bacteria</i></b> <b>Vani Kamra - Parkland High School</b> Sponsor - Michael Post	<input checked="" type="checkbox"/>
<hr/>			
<b>Ninth Grade Fair (D) - Physics (1300)</b>			
Award		Project	Del Val
1st Place	D1304	<b><i>The Hofstadter Butterfly On A Ring Lattice</i></b> <b>Ankhitha Manjunatha - Parkland High School</b> Sponsor - Michael Post	<input checked="" type="checkbox"/>
2nd Place	D1306	<b><i>Non-Line-Of-Sight Underwater Communication</i></b> <b>Ee-Ning Ooi - Parkland High School</b> Sponsor - Michael Post	<input checked="" type="checkbox"/>
3rd Place	D1302	<b><i>Airfoils And Winglets: Effect On Aerodynamic Efficiency</i></b> <b>Raviteja Kanthamneni - Parkland High School</b> Sponsor - Michael Post	<input checked="" type="checkbox"/>
Honorable Mention	D1301	<b><i>Water And Electromagnets</i></b> <b>John Bresnan - Emmaus High School</b> Sponsor - Brent Landrum	<input type="checkbox"/>
Honorable Mention	D1305	<b><i>The Seebeck Effect</i></b> <b>Riya Neogi - Parkland High School</b> Sponsor - Michael Post	<input type="checkbox"/>
<hr/>			
<b>Ninth Grade Fair (D) - Zoology (1400)</b>			
Award		Project	Del Val
1st Place	D1401	<b><i>Utilizing The Regenerative Abilities Of Planaria To Determine The Effect Of Air Pollution On Birth Defects</i></b> <b>Rahul Inaganti - Parkland High School</b> Sponsor - Michael Post	<input checked="" type="checkbox"/>
2nd Place	D1402	<b><i>Investigating the Effects Of Water Pollution On Daphnia Magna</i></b> <b>Anishka Kakade - Parkland High School</b> Sponsor - Michael Post	<input checked="" type="checkbox"/>

# Lehigh Valley Science Fair 2018 Awards List

## Ninth Grade Fair (D) - Team Projects (1500)

Award		Project	Del Val
1st Place	D1501	<b><i>The Effect Of Structural Design On Bridge Performance</i></b> <b>Shivam Chand - Freedom High School</b> <b>Brian Gerra - Freedom High School</b> Sponsor - Graceanne Ruggiero	<input checked="" type="checkbox"/>

## Eighth Grade Fair (E) - Behavior & Social Sciences (100)

Award		Project	Del Val
1st Place	E0102	<b><i>Does Music Make You Smarter?</i></b> <b>Prisha Srivastava - Springhouse Middle School</b> Sponsor - Daniel Christman	<input checked="" type="checkbox"/>
2nd Place	E0101	<b><i>Which Gender Can Discern Music From White Noise Better?</i></b> <b>Veda Vundela - Springhouse Middle School</b> Sponsor - Daniel Christman	<input type="checkbox"/>
3rd Place	E0104	<b><i>How Do Different Groups Of People Stereotype Body Types?</i></b> <b>Julie Williams - Arts Academy Charter Middle School</b> Sponsor - Carole Ondrovic	<input type="checkbox"/>
Honorable Mention	E0108	<b><i>Do Video Games Affect Your Academic Performance?</i></b> <b>Emma Engler - Arts Academy Charter Middle School</b> Sponsor - Carole Ondrovic	<input type="checkbox"/>

## Eighth Grade Fair (E) - Biochemistry (200)

Award		Project	Del Val
1st Place	E0205	<b><i>How Does The Amount Of Oxygen Affect The Rate Of Fermentation?</i></b> <b>Dhivya Shepherd - Springhouse Middle School</b> Sponsor - Susan Stern	<input checked="" type="checkbox"/>
2nd Place	E0202	<b><i>Degrading Caffeine</i></b> <b>Abraham Kashkoush - Springhouse Middle School</b> Sponsor - Scott Bauer	<input type="checkbox"/>
3rd Place	E0203	<b><i>How Will Different Kinds Of Lights Affect Yeast Growth?</i></b> <b>Dan Lee - Springhouse Middle School</b> Sponsor - Scott Bauer	<input type="checkbox"/>
Honorable Mention	E0204	<b><i>Fermentation of Different Juices</i></b> <b>Michael Li - Springhouse Middle School</b> Sponsor - Scott Bauer	<input type="checkbox"/>

# Lehigh Valley Science Fair 2018

## Awards List

### Eighth Grade Fair (E) - Botany (300)

Award	Project ID	Project	Del Val
1st Place	E0308	<b><i>The Effect Of Microwave Radiation On Plant Growth</i></b> <b>Lucy Schilling - Springhouse Middle School</b> Sponsor - Susan Stern	<input checked="" type="checkbox"/>
2nd Place	E0306	<b><i>The Effect Of Different Liquids On Bean Plant Growth</i></b> <b>Gabby Landis - Springhouse Middle School</b> Sponsor - Daniel Christman	<input type="checkbox"/>
3rd Place	E0305	<b><i>What Is The Effect Of Population Density On Plant Height?</i></b> <b>Izzy Landis - Springhouse Middle School</b> Sponsor - Daniel Christman	<input type="checkbox"/>
Honorable Mention	E0301	<b><i>Martian Plant Growth</i></b> <b>Madalynn Barnes - Broughal Middle School</b> Sponsor - Lori Cirucci	<input type="checkbox"/>
Honorable Mention	E0302	<b><i>What Is The Effect Of Vitamin Water On Lima Beans?</i></b> <b>Georgi Butch - Springhouse Middle School</b> Sponsor - Scott Bauer	<input type="checkbox"/>
Honorable Mention	E0304	<b><i>What Is The Effect Of WiFi Radiation Exposed To Growth Of Plants?</i></b> <b>Aashna Dhawan - Springhouse Middle School</b> Sponsor - Daniel Christman	<input type="checkbox"/>

### Eighth Grade Fair (E) - Chemistry (400)

Award	Project ID	Project	Del Val
1st Place	E0410	<b><i>The Effect Of Temperature On Surface Tension</i></b> <b>Aditi Maheshwari - Springhouse Middle School</b> Sponsor - Susan Stern	<input checked="" type="checkbox"/>
2nd Place	E0409	<b><i>The Effects Of pH On Ice</i></b> <b>Raaheem Khondaker - Springhouse Middle School</b> Sponsor - Susan Stern	<input type="checkbox"/>
3rd Place	E0407	<b><i>What Is The Effect Of Temperature On The Surface Tension Of Water?</i></b> <b>Fyodor D'Souza - Springhouse Middle School</b> Sponsor - Daniel Christman	<input type="checkbox"/>
Honorable Mention	E0403	<b><i>Breaking Lines?! Part 2</i></b> <b>Brody Ritter - Orefield Middle School</b> Sponsor - Jason Klinger	<input type="checkbox"/>

# Lehigh Valley Science Fair 2018 Awards List

Honorable Mention	E0404	<b><i>Evaluating Properties Of Kombucha During Fermentation</i></b> <b>Katherine Kimball - Orefield Middle School</b> Sponsor - Brian Holtzhafer	<input type="checkbox"/>
Honorable Mention	E0412	<b><i>Ice Ice Baby</i></b> <b>Benjamin Singer - Springhouse Middle School</b> Sponsor - Susan Stern	<input type="checkbox"/>

## Eighth Grade Fair (E) - Computer (500)

Award		Project	Del Val
1st Place	E0501	<b><i>Predict Premature Heart Disease</i></b> <b>Lalitha Loka - Springhouse Middle School</b> Sponsor - Daniel Christman	<input checked="" type="checkbox"/>
2nd Place	E0502	<b><i>NoPanic App</i></b> <b>Uma Purani - Springhouse Middle School</b> Sponsor - Susan Stern	<input type="checkbox"/>
3rd Place	E0503	<b><i>How Do Random Number Generators Work?</i></b> <b>Jonathan Ouf - Arts Academy Charter Middle School</b> Sponsor - Carole Ondrovic	<input type="checkbox"/>

## Eighth Grade Fair (E) - Earth & Space Sciences (600)

Award		Project	Del Val
1st Place	E0601	<b><i>Geology, Hot Or Not?</i></b> <b>Alana Strock - Orefield Middle School</b> Sponsor - Christie Schlaner	<input checked="" type="checkbox"/>
2nd Place	E0603	<b><i>Tsunami Prevention</i></b> <b>Alexander Dillon - St. Theresa School</b> Sponsor - Constance Sisko	<input type="checkbox"/>
3rd Place	E0602	<b><i>Porous Rocks</i></b> <b>Abigail Quinn - St. Theresa School</b> Sponsor - Constance Sisko	<input type="checkbox"/>
Honorable Mention	E0604	<b><i>Micrometeorites In Nature</i></b> <b>Anaiah Olivero - Broughal Middle School</b> Sponsor - Lori Cirucci	<input type="checkbox"/>

# Lehigh Valley Science Fair 2018 Awards List

## Eighth Grade Fair (E) - Engineering (700)

Award	Project ID	Project	Del Val
1st Place	E0708	<b><i>Designing A Sun Tracking Solar Panel To Maximize And Quantify Energy Harvest Efficiency</i></b> <b>Victor Cai - Springhouse Middle School</b> Sponsor - Scott Bauer	<input checked="" type="checkbox"/>
2nd Place	E0710	<b><i>Homopolar Motor</i></b> <b>Jesslyn Geevarghese - Springhouse Middle School</b> Sponsor - Scott Bauer	<input type="checkbox"/>
3rd Place	E0713	<b><i>How Does Weight Affect The Speed Of A Hover Craft?</i></b> <b>Manas Bhasin - Orefield Middle School</b> Sponsor - Jason Klinger	<input type="checkbox"/>
Honorable Mention	E0703	<b><i>Who Wins The Machining Race? The Tortoise Or The Hare?</i></b> <b>Kyle Rothwell - Orefield Middle School</b> Sponsor - Brian Holtzhafer	<input type="checkbox"/>
Honorable Mention	E0709	<b><i>Does Counter Weight Volume Of A Trebuchet Effect The Distance Of A Projectile?</i></b> <b>Tess Garchinsky - Springhouse Middle School</b> Sponsor - Susan Stern	<input type="checkbox"/>
Honorable Mention	E0714	<b><i>Altering The Refrigeration System For Engines</i></b> <b>Ashlyn Leary - Arts Academy Charter Middle School</b> Sponsor - Carole Ondrovic	<input type="checkbox"/>

## Eighth Grade Fair (E) - Environmental (800)

Award	Project ID	Project	Del Val
1st Place	E0805	<b><i>Nasal Filtration: Acquiring The Preeminent Filter</i></b> <b>Hana Yang - Orefield Middle School</b> Sponsor - Brian Holtzhafer	<input checked="" type="checkbox"/>
2nd Place	E0801	<b><i>A Plant Growing In Another Plant?</i></b> <b>Matthew Weber - Orefield Middle School</b> Sponsor - Christie Schlaner	<input type="checkbox"/>
3rd Place	E0807	<b><i>Roses And Body Wash</i></b> <b>Josephine Gumina - Springhouse Middle School</b> Sponsor - Scott Bauer	<input type="checkbox"/>
Honorable Mention	E0806	<b><i>Rooftop Colors Of The Future</i></b> <b>Priyanshu Dey - Springhouse Middle School</b> Sponsor - Susan Stern	<input type="checkbox"/>

# Lehigh Valley Science Fair 2018

## Awards List

Honorable Mention E0808 ***Can Plants Help Stop Or Prevent Soil Erosion?***   
**Gabriella Lozada - Arts Academy Charter Middle School**  
 Sponsor - Carole Ondrovic

### Eighth Grade Fair (E) - Mathematics (1000)

Award		Project	Del Val
1st Place	E1002	<b><i>Eulerr's Number: Derivation and Application</i></b> <b>Balaji Marella - Moravian Academy Middle School</b> Sponsor - Joanne Daniels	<input checked="" type="checkbox"/>
2nd Place	E1003	<b><i>Reducing The Number Of Experiments Needed To optimize A Product Using Taguchi Method</i></b> <b>Samit Mohapatra - Moravian Academy Middle School</b> Sponsor - Joanne Daniels	<input type="checkbox"/>
3rd Place	E1001	<b><i>Do Vitamins Affect Plant Growth?</i></b> <b>Dhruvi Kadhiwala - Springhouse Middle School</b> Sponsor - Susan Stern	<input type="checkbox"/>

### Eighth Grade Fair (E) - Medicine & Health (1100)

Award		Project	Del Val
1st Place	E1108	<b><i>Do Pets Improve Your Health And Which Pet Is Best For You?</i></b> <b>Sophia Fadem - Arts Academy Charter Middle School</b> Sponsor - Carole Ondrovic	<input checked="" type="checkbox"/>
2nd Place	E1105	<b><i>Which Natural Antacid Will Help Bring The Best Relief To Acid Reflux?</i></b> <b>Sana Nauman - Springhouse Middle School</b> Sponsor - Susan Stern	<input type="checkbox"/>
3rd Place	E1106	<b><i>Does Race Influence Fingerprints?</i></b> <b>Sarah Montimaire - Arts Academy Charter Middle School</b> Sponsor - Carole Ondrovic	<input type="checkbox"/>
Honorable Mention	E1102	<b><i>Vitamin C</i></b> <b>Liam Skopal - St. Theresa School</b> Sponsor - Constance Sisko	<input type="checkbox"/>
Honorable Mention	E1109	<b><i>Distractions And Levels Of Pain</i></b> <b>John Cole - Arts Academy Charter Middle School</b> Sponsor - Carole Ondrovic	<input type="checkbox"/>

# Lehigh Valley Science Fair 2018 Awards List

## Eighth Grade Fair (E) - Physics (1300)

Award	Project	Del Val
1st Place	E1309 <b><i>Skidding To Safety</i></b> <b>Rishika Rohatgi - Springhouse Middle School</b> Sponsor - Susan Stern	<input checked="" type="checkbox"/>
2nd Place	E1305 <b><i>Arrows Weights VS. Penetration Depth</i></b> <b>Krystal Hinkle - Springhouse Middle School</b> Sponsor - Susan Stern	<input type="checkbox"/>
3rd Place	E1302 <b><i>Sweet And Salty: Measuring Solute Content With A Laser Pointer</i></b> <b>Matthew Barraco - Orefield Middle School</b> Sponsor - Brian Holtzhafer	<input type="checkbox"/>
Honorable Mention	E1304 <b><i>Electro Magnetism</i></b> <b>Ian Teresko - St. Theresa School</b> Sponsor - Constance Sisko	<input type="checkbox"/>
Honorable Mention	E1306 <b><i>Does The Power Of An Aluminum Air Battery Increase When Connected In Series Or Parallel?</i></b> <b>Bharat Jayamohan - Springhouse Middle School</b> Sponsor - Daniel Christman	<input type="checkbox"/>
Honorable Mention	E1307 <b><i>Electromagnetic Radiation From Smart Phone</i></b> <b>Ansh Malik - Eyer Middle School</b> Sponsor - Vikas Malik	<input type="checkbox"/>
Honorable Mention	E1310 <b><i>Light Intensity</i></b> <b>Sanjay Vuttarapally - Springhouse Middle School</b> Sponsor - Daniel Christman	<input type="checkbox"/>

## Eighth Grade Fair (E) - Zoology (1400)

Award	Project	Del Val
1st Place	E1403 <b><i>A Novel Approach To reversing The Effects Of Fertilizer Runoff On Aquatic Life</i></b> <b>Vaishnavi Joshi - Springhouse Middle School</b> Sponsor - Scott Bauer	<input checked="" type="checkbox"/>
2nd Place	E1404 <b><i>What Are The Morphological Effects Of Red 40 Dye On Artemia?</i></b> <b>Sandhya Soundarajan - Springhouse Middle School</b> Sponsor - Daniel Christman	<input type="checkbox"/>



# Lehigh Valley Science Fair 2018

## Awards List

3rd Place	E1401	<b><i>A need For Speed!</i></b> <b>Carisa Fogt - Orefield Middle School</b> Sponsor - Christie Schlaner	<input type="checkbox"/>
Honorable Mention	E1402	<b><i>A Planaria Problem: Magnets and Regenerator</i></b> <b>Kaila Miles - Orefield Middle School</b> Sponsor - Jason Klinger	<input type="checkbox"/>

### Eighth Grade Fair (E) - Team Projects (1500)

Award		Project	Del Val
1st Place	E1502	<b><i>Tesla Coils: What Can They Power?</i></b> <b>Alexandra Aviles - Arts Academy Charter Middle School</b> <b>Ashley Rehrig - Arts Academy Charter Middle School</b> Sponsor - Carole Ondrovic	<input checked="" type="checkbox"/>
2nd Place	E1501	<b><i>Art Bot</i></b> <b>Kacey Pasquarella - Arts Academy Charter Middle School</b> <b>Courtney Richard - Arts Academy Charter Middle School</b> Sponsor - Carole Ondrovic	<input type="checkbox"/>
3rd Place	E1503	<b><i>Music VS Personality</i></b> <b>Bobbie Jean Riddick - Arts Academy Charter Middle School</b> <b>Samarra Elizabeth Patterson - Arts Academy Charter Middle Scho</b> Sponsor - Jennifer Cole	<input type="checkbox"/>

### Seventh Grade Fair (F) - Behavior & Social Sciences (100)

Award		Project	Del Val
1st Place	F0102	<b><i>Men And Women See Things Differently... Literally</i></b> <b>Jacquelyn Fekula - Orefield Middle School</b> Sponsor - Amy Kakaley	<input checked="" type="checkbox"/>
2nd Place	F0101	<b><i>How Does My Mood Affect Your Memory?</i></b> <b>Aditya Singhvi - Orefield Middle School</b> Sponsor - Dianne Caspersen	<input type="checkbox"/>
3rd Place	F0109	<b><i>Does Time Perception Change As You Get Older?</i></b> <b>Yoisa Genao Morales - Arts Academy Charter Middle School</b> Sponsor - Jennifer Cole	<input type="checkbox"/>
Honorable Mention	F0103	<b><i>How Do YOU See The World?</i></b> <b>Riva Kaneria - Springhouse Middle School</b> Sponsor - Troy Minarovic	<input type="checkbox"/>

# Lehigh Valley Science Fair 2018 Awards List

Honorable Mention	F0104	<b><i>Does Gender Effect Reaction Time?</i></b> <b>Sathvika Rajkumar - Springhouse Middle School</b> Sponsor - Jennifer Karetsky	<input type="checkbox"/>
Honorable Mention	F0108	<b><i>Battle Of The Sexes</i></b> <b>Kaylee Dougherty - Arts Academy Charter Middle School</b> Sponsor - Jennifer Cole	<input type="checkbox"/>
Honorable Mention	F0110	<b><i>How Do People's Biased Opinon Affect Their True Opinion?</i></b> <b>Madeline Cole - Arts Academy Charter Middle School</b> Sponsor - Carole Ondrovic	<input type="checkbox"/>

## Seventh Grade Fair (F) - Biochemistry (200)

Award		Project	Del Val
1st Place	F0202	<b><i>Apple Browning</i></b> <b>Farishta Faruk - Springhouse Middle School</b> Sponsor - Jennifer Karetsky	<input checked="" type="checkbox"/>
2nd Place	F0201	<b><i>Electrolytes</i></b> <b>Cecilia Quiroz - Orefield Middle School</b> Sponsor - Amy Kakaley	<input type="checkbox"/>
3rd Place	F0203	<b><i>Gummy Bears!</i></b> <b>Prem Patel - Springhouse Middle School</b> Sponsor - Noel Mahmood	<input type="checkbox"/>

## Seventh Grade Fair (F) - Botany (300)

Award		Project	Del Val
1st Place	F0304	<b><i>Hydroponic Plant Growth Versus Soil Grown Plant Growth</i></b> <b>Emily Walsh - Springhouse Middle School</b> Sponsor - Jennifer Karetsky	<input checked="" type="checkbox"/>
2nd Place	F0302	<b><i>How Vitamin Water Affect Plant Growth</i></b> <b>Gabrielle Madison Hare - Springhouse Middle School</b> Sponsor - Jennifer Karetsky	<input type="checkbox"/>
3rd Place	F0303	<b><i>What is the Effect of the Type of Light on the Amount of Carbon Dioxide Released from Algae Beads?</i></b> <b>Sanika Kothari - Springhouse Middle School</b> Sponsor - Troy Minarovic	<input type="checkbox"/>

# Lehigh Valley Science Fair 2018 Awards List

## Seventh Grade Fair (F) - Chemistry (400)

Award	Project ID	Project	Del Val
1st Place	F0405	<b><i>What Is The Impact Of Changing pH On The Sphertification Process?</i></b> <b>Reva Gandhi - Springhouse Middle School</b> Sponsor - Troy Minarovic	<input checked="" type="checkbox"/>
2nd Place	F0409	<b><i>The Effects Of Reactants' Size On The Rate Of Chemical Reaction</i></b> <b>Rithik Raghuraman - Springhouse Middle School</b> Sponsor - Jennifer Karetsky	<input type="checkbox"/>
3rd Place	F0401	<b><i>Chlorinated Pools, Good Or Bad?</i></b> <b>Simone Lin - Orefield Middle School</b> Sponsor - Thomas Bryant	<input type="checkbox"/>
Honorable Mention	F0404	<b><i>The Effects Of Roasting On Caffeine</i></b> <b>Joshua Chou - Springhouse Middle School</b> Sponsor - Jennifer Karetsky	<input type="checkbox"/>
Honorable Mention	F0407	<b><i>How Bright Do Fuel Tablets Burn?</i></b> <b>Shayan Latif - Springhouse Middle School</b> Sponsor - Troy Minarovic	<input type="checkbox"/>
Honorable Mention	F0411	<b><i>Does The Consistency Affect The Rate?</i></b> <b>Devanshi Patel - Springhouse Middle School</b> Sponsor - Jennifer Karetsky	<input type="checkbox"/>

## Seventh Grade Fair (F) - Computer (500)

Award	Project ID	Project	Del Val
1st Place	F0501	<b><i>IOT: How Can It Change Our Daily Lives?</i></b> <b>Okezue Bell - Moravian Academy Middle School</b> Sponsor - Joanne Daniels	<input checked="" type="checkbox"/>

## Seventh Grade Fair (F) - Engineering (700)

Award	Project ID	Project	Del Val
1st Place	F0709	<b><i>Can You Hear Your Favorite Color?</i></b> <b>Varun Pandian - Springhouse Middle School</b> Sponsor - Troy Minarovic	<input checked="" type="checkbox"/>
2nd Place	F0705	<b><i>The Strongest Base</i></b> <b>Rosetta Shupe - St. Theresa School</b> Sponsor - Constance Sisko	<input type="checkbox"/>

# Lehigh Valley Science Fair 2018 Awards List

3rd Place	F0707	<b><i>Build A Paper Speaker</i></b> <b>Colin Griffith - St. Theresa School</b> Sponsor - Constance Sisko	<input type="checkbox"/>
Honorable Mention	F0702	<b><i>WiFi Connection A Must</i></b> <b>Rida Mirza - Orefield Middle School</b> Sponsor - Dianne Caspersen	<input type="checkbox"/>
Honorable Mention	F0708	<b><i>Rocket Blitz</i></b> <b>Arnav Jain - Springhouse Middle School</b> Sponsor - Jennifer Karetsky	<input type="checkbox"/>

## Seventh Grade Fair (F) - Environmental (800)

Award	Project	Del Val
1st Place	F0805 <b><i>Ocean Acidification, A Global Problem</i></b> <b>Siddhant Khandelwal - Springhouse Middle School</b> Sponsor - Jennifer Karetsky	<input checked="" type="checkbox"/>
2nd Place	F0807 <b><i>Wrangle That Angle</i></b> <b>Fudayl Niaz - Springhouse Middle School</b> Sponsor - Jennifer Karetsky	<input type="checkbox"/>
3rd Place	F0806 <b><i>Pollution Effects On Brine Shrimp Growth</i></b> <b>Natalie McEvoy - Springhouse Middle School</b> Sponsor - Jennifer Karetsky	<input type="checkbox"/>
Honorable Mention	F0803 <b><i>Fertilizer Effect On Algae Growth</i></b> <b>Nikhil Chitluru - Springhouse Middle School</b> Sponsor - Jennifer Karetsky	<input type="checkbox"/>
Honorable Mention	F0804 <b><i>How Does Acid Rain Affect The Outside Of Buildings?</i></b> <b>Emily Collins - Springhouse Middle School</b> Sponsor - Jennifer Karetsky	<input type="checkbox"/>

## Seventh Grade Fair (F) - Mathematics (1000)

Award	Project	Del Val
1st Place	F1001 <b><i>The Fibonacci Sequence And Its Use In The Stock Market</i></b> <b>Michael Alchaer - Moravian Academy Middle School</b> Sponsor - Joanne Daniels	<input checked="" type="checkbox"/>

# Lehigh Valley Science Fair 2018 Awards List

## Seventh Grade Fair (F) - Medicine & Health (1100)

Award	Project	Del Val
1st Place	F1106 <b><i>The Effect Of Antioxidants On Cancerous Tumor Growth</i></b> <b>Visruth Hanumaihgari - Springhouse Middle School</b> Sponsor - Troy Minarovic	<input checked="" type="checkbox"/>
2nd Place	F1105 <b><i>The Effect Of Temperature On Ripening/Rotting Of Fruits</i></b> <b>Priya Tekumalla - Springhouse Middle School</b> Sponsor - Jennifer Karetsky	<input type="checkbox"/>
3rd Place	F1101 <b><i>Electrolyte Challenge</i></b> <b>Sammit Bal - Springhouse Middle School</b> Sponsor - Noel Mahmood	<input type="checkbox"/>
Honorable Mention	F1103 <b><i>The Effects Of Food On Memory Function</i></b> <b>Riley Shaner - Springhouse Middle School</b> Sponsor - Jennifer Karetsky	<input type="checkbox"/>

## Seventh Grade Fair (F) - Physics (1300)

Award	Project	Del Val
1st Place	F1303 <b><i>What Amount Of Blades On A Wind Turbine Is Most Efficient For Generating Electricity?</i></b> <b>Varsha Borkar - Springhouse Middle School</b> Sponsor - Noel Mahmood	<input checked="" type="checkbox"/>
2nd Place	F1309 <b><i>Can Fruits Power An Analog Clock?</i></b> <b>Homare Yamashita - Springhouse Middle School</b> Sponsor - Troy Minarovic	<input type="checkbox"/>
3rd Place	F1305 <b><i>How Does Color Affect Heating By Absorption Of Light</i></b> <b>Riya Patel - Springhouse Middle School</b> Sponsor - Noel Mahmood	<input type="checkbox"/>
Honorable Mention	F1304 <b><i>Affects Of Arrow Weight On Penetration</i></b> <b>Shravan Ganta - Springhouse Middle School</b> Sponsor - Jennifer Karetsky	<input type="checkbox"/>
Honorable Mention	F1306 <b><i>Laminate Strengths</i></b> <b>Vraj Patel - Springhouse Middle School</b> Sponsor - Troy Minarovic	<input type="checkbox"/>
Honorable Mention	F1307 <b><i>Does Air Pressure And Surface Effect The Distance Soccer Balls Travel?</i></b> <b>Jaeden Sistrunk - Springhouse Middle School</b> Sponsor - Jennifer Karetsky	<input type="checkbox"/>

# Lehigh Valley Science Fair 2018 Awards List

Honorable Mention F1310     ***The Affects Of Different Temperature/Wetness/Amount Of Fur On A Tennis Ball's Bounce***       
**Taehyuk Yang - Springhouse Middle School**  
 Sponsor - Jennifer Karetsky

---

## Seventh Grade Fair (F) - Zoology (1400)

Award		Project	Del Val
1st Place	F1401	<b><i>Worms Eye View</i></b> <b>Andy Hill - Orefield Middle School</b> Sponsor - Thomas Bryant	<input checked="" type="checkbox"/>
2nd Place	F1403	<b><i>Growth Horomones And The Health Of Cattle</i></b> <b>Olivia Hobson - Arts Academy Charter Middle School</b> Sponsor - Jennifer Cole	<input type="checkbox"/>

---

## Seventh Grade Fair (F) - Team Projects (1500)

Award		Project	Del Val
1st Place	F1502	<b><i>Flour Power</i></b> <b>Vrindavani Cannavino - Arts Academy Charter Middle School</b> <b>Madeline Ashby - Arts Academy Charter Middle School</b> Sponsor - Jennifer Cole	<input checked="" type="checkbox"/>
2nd Place	F1507	<b><i>Will The Voltage Of A Battery Be Affected By It's Temperature?</i></b> <b>Lorale Burch - Arts Academy Charter Middle School</b> <b>Janet Rivera - Arts Academy Charter Middle School</b> Sponsor - Jennifer Cole	<input type="checkbox"/>
3rd Place	F1505	<b><i>How Does The Color Of Food Affect It's Taste?</i></b> <b>Karen Farah - Arts Academy Charter Middle School</b> <b>Gabriella Crouthmeal - Arts Academy Charter Middle School</b> Sponsor - Jennifer Cole	<input type="checkbox"/>
Honorable Mention	F1501	<b><i>Which Charger Is More Efficient/Productive? Apple, Five Below, Target, Marshalls</i></b> <b>Kayla Dornevil - Arts Academy Charter Middle School</b> <b>Allegresse Hungoni - Arts Academy Charter Middle School</b> Sponsor - Jennifer Cole	<input type="checkbox"/>
Honorable Mention	F1506	<b><i>Ink Blot Ages</i></b> <b>Grace Litzenberger - Arts Academy Charter Middle School</b> <b>Celia Casey - Arts Academy Charter Middle School</b> Sponsor - Jennifer Cole	<input type="checkbox"/>

---

# Lehigh Valley Science Fair 2018 Awards List

---

## Sixth Grade Fair (G) - Behavior & Social Sciences (100)

Award		Project	Del Val
1st Place	G0101	<b><i>Are Fingerprints Inherited?</i></b> <b>Anya Chadha - Moravian Academy Middle School</b> Sponsor - Joanne Daniels	<input type="checkbox"/>

---

## Sixth Grade Fair (G) - Chemistry (400)

Award		Project	Del Val
1st Place	G0401	<b><i>How Does Light Intensity Change With Distance?</i></b> <b>Lillian Crago - St. Theresa School</b> Sponsor - Constance Sisko	<input type="checkbox"/>
2nd Place	G0402	<b><i>Teeth Stain</i></b> <b>Landon Beckowski - St. Theresa School</b> Sponsor - Constance Sisko	<input type="checkbox"/>

---

## Sixth Grade Fair (G) - Engineering (700)

Award		Project	Del Val
1st Place	G0701	<b><i>Balloon Powered Car Race</i></b> <b>Paul Ganssle - St. Theresa School</b> Sponsor - Constance Sisko	<input type="checkbox"/>

---

## Sixth Grade Fair (G) - Environmental (800)

Award		Project	Del Val
1st Place	G0801	<b><i>Testing The Bioturbation Capabilities Of Worms</i></b> <b>Rayna Malhotra - Moravian Academy Middle School</b> Sponsor - Joanne Daniels	<input type="checkbox"/>

---

## Sixth Grade Fair (G) - Mathematics (1000)

Award		Project	Del Val
1st Place	G1002	<b><i>Math in Beauty/Nature</i></b> <b>Pranavi Marella - Moravian Academy Middle School</b> Sponsor - Joanne Daniels	<input type="checkbox"/>
2nd Place	G1001	<b><i>Catastrophy Theory &amp; It's Application</i></b> <b>Aman Desai - Moravian Academy Middle School</b> Sponsor - Joanne Daniels	<input type="checkbox"/>

---

# Lehigh Valley Science Fair 2018 Awards List

---

## Sixth Grade Fair (G) - Physics (1300)

Award		Project	Del Val
1st Place	G1301	<b><i>What Does A Brushbot Drive Best On?</i></b> <b>Claire Smith - St. Theresa School</b> Sponsor - Constance Sisko	<input type="checkbox"/>

---