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# *Catagory Winners*

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## *Division*

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### Junior Division

#### *Life or Physical Science: L*

##### *Category Behavioral & Social Sciences*

First Place	Aubrey Chalene	Distracted Drivers in Dreamland
Second Place	Shanika Silva	Color Counts!
Third Place	Connie Roberts	To Spot or Not to Spot?
Honorable Mention	Ashley Hayden	Fingerprinting Un-whorled
Honorable Mention	Selina Vickery	Multitasker Disaster

##### *Category Biochemistry & Microbiology*

First Place	Pahno Georgetown	The Spicy Terminator
Second Place	Marshall Kettler	"Tough or Tender - You Decide"
Third Place	Emelie Nelson	Mascara Mania
Honorable Mention	Jordan Myers	What antacis work best on stomach acid?

##### *Category Botany*

First Place	Sowmika Boppan	Do Vitamins Prevent Oxidatile Damage During the Seed Germinati
Second Place	Muriel Weathers	Rye vs Bahia
Third Place	William Duong	How pH Effects Plant Growth
Honorable Mention	Layne Correa	Convential vs. Organic
Honorable Mention	Taylor Allen	Beans, Beans the Musical Fruit

##### *Category Environmental Sciences*

First Place	Cooper Dixon	Trash or Treasure?
Second Place	Brian Cianciolo	Removing Oil from Water
Third Place	Katherine Harcler	Cleaning up the Shoreline
Honorable Mention	Glory Joy Hughes	BP Birds

##### *Category Medicine & Health*

First Place	Conner Cross	Dissolving Advil
Second Place	Kaylee Boudreaux	To Breathe or Not to Breathe
Third Place	Olawande Oduwal	Sugar Rush
Honorable Mention	Anari Oliver	The Effect of Garlic on Bacterial Growth
Honorable Mention	Gina Fossati	Reaction Time

##### *Category Zoology*

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**Division**

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First Place	Alyssa Smith	Quail Feed
Second Place	Hannah Booth	Caffeine Effect on Daphnia Magna
Third Place	Sydni Spencer	20/20
Honorable Mention	Shaylin Petteway	Animal Behavior

***Life or Physical Science: P******Category Chemistry***

First Place	Andrea Palmer	Potato Battery
Second Place	Skylar McHenry	
Third Place	Kelly Janak	A Colorful Migration
Honorable Mention	Jesse Holloway	Will it Float, Will it Float
Honorable Mention	Rose Coleman	What keeps you cool?

***Category Computer Science***

First Place	Samantha Bullock	It's Getting Hot in Here!
Second Place	Christopher Grant	Ball Guy R.P.G.

***Category Earth & Space Sciences***

First Place	Sinjin Sharma	"Por-ous" a Glass of Water
Second Place	Leticia Martinez	Density in Ocean Water

***Category Engineering***

First Place	Hailey Willard	Strength in Aggregates
Second Place	Olivia Williams	London Bridge is Falling Down...
Third Place	Joseph Hugger	The Plane Truth Part III
Honorable Mention	Nicholas Rosier	Bike Generator

***Category Mathematics***

First Place	Yuewu Zhou	Silly Cylinders
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***Category Physics***

First Place	Kyle Smith	Static Electricity as a High Energy Source
Second Place	Colin Rickard	The Ultimate Bounce
Third Place	Jay Alan Sims	Archery: The Physics to an Art
Honorable Mention	Donald Anderson	The Sweet Spot

**Ninth Grade Division*****Life or Physical Science: L******Category Behavioral & Social Sciences***

First Place	Chandler Bentinck	Which Genre is the Loudest?
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## *Division*

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### *Category Environmental Sciences*

First Place	Julia Conger	The Contaminated Coast
Second Place	Caroline Landon	From Waste to Watts
Third Place	Janae Bonnen	Can Common Household Substances Dissolve Styrofoam?
Honorable Mention	Daniel Bradley	Beat the Heat
Honorable Mention	Jonah Gonzales	Carbon Footprint of Ball High

### *Life or Physical Science: P*

#### *Category Chemistry*

First Place	Mayra Doroteo	Will Diet Dr. Pepper Dissolve a Nail?
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#### *Category Computer Science*

First Place	Roma Pradhan	Base to Base - All Computer Based
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#### *Category Engineering*

First Place	Benjamin Burdick	Strength to Weight Comparison of Spurs
Second Place	David Bordelon	Automatic Lubricators

#### *Category Physics*

First Place	Derek Janak	Red Light, Green Light!
Second Place	Jamie McCullough	Levitation Through Electromagnetism
Third Place	Stephen Romero	Radical Radiation

## Senior Division

### *Life or Physical Science: L*

#### *Category Behavioral & Social Sciences*

First Place	Briahna Yarberry	Activate Your Memory
Second Place	Shannon Ellis	The Value of a Smile

#### *Category Biochemistry & Microbiology*

First Place	Ryan Bynum	Natural Remedies vs. Synthetic Antibiotics: Killing E. coli II
Second Place	Brittany Kennedy	Bacteria vs. Garlic
Third Place	Emily Gao	Biophysical Characterization of DNA Ligase

#### *Category Botany*

First Place	Sofie Milton	"Tru" via or False? Is it Really the Safe Low Calorie Alternative to
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#### *Category Environmental Sciences*

First Place	Sheena Mohebalia	Biofuel Efficiency III
Second Place	Shenali Warnakul	Oil Attack!!!!
Third Place	Bryce Willey	Effects of Magnetism on Paramecium

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**Division**

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Honorable Mention Heather Yang Saving Plants

**Category** *Medicine & Health*

First Place Ariana Rivera Osteo - Destroy -OS

Second Place Karmina Martinez- Acne Medication and Bacteria

Third Place Keziah Thomas Cellphone Coversation Affecting the Reaction Time

**Category** *Zoology*

First Place Natalia Tesh Wear Colors So Mosquitos Won't Bite

Second Place Gabby Quintana Oyster Restoration 2

**Life or Physical Science: P**

**Category** *Chemistry*

First Place Madeline Landon Get the Lead Out Part II

Second Place Traci Bordelon Base Coating Materials Mixed with TiO<sub>2</sub> for Air Pollution Reductio

Third Place Matthew Laitkep Keep it Hot; Keep it Cold

**Category** *Computer Science*

First Place Joe Rogers Thread-level Cooperation in Multi-core Programming

**Category** *Engineering*

First Place Michael Laitkep Can Paint Insulate?

Second Place Steven Auzenne Drive the Green

Third Place Alexandra Wilson Water Rocket Altitude Performance Optimization (WRAPO)

Honorable Mention Ryan Coleman The Hovercraft

Honorable Mention Nader Asgari-Tari Salt Be Gone II: The Sequel

**Category** *Physics*

First Place Laura Bradley Solar Storage

Second Place Chandika Silva Bamboo to the Rescue

Third Place John Coates Internal Dampening