

Gaston Regional Science and Engineering Fair 2011-2012

Winning Projects

MIDDLE SCHOOL				
AWARD	PROJ #	PROJECT TITLE	STUDENT NAME(S)	SCHOOL
3 rd Physical Science	34	How is Friction of Different Road Surfaces Affected when Wet?	Daniel Bortolussi	MHMS
2 nd Physical Science	41	How does Methane compare to other Gases in terms of Efficiency?	Avery Patton	HMS
1 st Physical Science	31	How Temperature and Moisture Affect Putting Performance	George Gallman	GMS
3 rd Technology Engineering	131	Does Fin Design Affect Model Rockets Altitude?	Christopher Gibson Quentin Hooker	MHMS
2 nd Technology Engineering	116	Rockets	Andrew Lee	GMS
1 st Technology Engineering	128	How High can I Fly?	Jacob Hipps	GMS
3 rd Earth Science	232	Natural Energy	Jonathan Nguyen	GMS
2 nd Earth Science	226	Solar Eclipses	Aaron Ensley Matthew Mack	GMS
1 st Earth Science	229	Do Cacti Grow Better in Topsoil or Sand?	Dia Ray	GS
3 rd Life Science	326	Microorganisms	Jeremy Martin	GMS
2 nd Life Science	323	How Many Calories can You Burn Using the Wii?	Joshua Antonio Slayton Fletcher	GMS
1 st Life Science	330	Bacteria	Briana Roberts	GMS
Exhibit	400	A Bug's Life: How the Physical Traits of Insects Relate to the Environment They Live In	John Mellin	GMS
Exhibit	407	Favorite Pizza Toppings	Jonathan Crane	GMS
Exhibit	412	Pluto	Ambrosia Parks	SWMS
Honorable Mention	328	Planting Beans	Luis Pineres	GMS
Navy	31	How Temperature and Moisture Affect Putting Performance	George Gallman	GMS
Navy	34	How is Friction of Different Road Surfaces Affected when Wet?	Daniel Bortolussi	MHMS
Navy	131	Does Fin Design Affect Model Rockets Altitude?	Christopher Gibson Quentin Hooker	MHMS
Navy	323	How Many Calories can You Burn Using the Wii?	Joshua Antonio Slayton Fletcher	GMS
Overall	319	How Gross is Grier?	Katelyn Kiser Grace Erwin	GMS

HIGH SCHOOL				
AWARD	PROJ #	PROJECT TITLE	STUDENT NAME(S)	SCHOOL
3 rd Physical Science	19	Which Drink Contains the Most Electrolytes?	Dustin Farris	AHS
2 nd Physical Science	15	ReCurve Bow	Dylan Morgan Ben Palmer	AHS
1 st Physical Science	33	UV Got to RAYS Your Awareness	Rachel Purvis	AHS
3 rd Technology Engineering	112	Wind Turbines	Hampton Coleman Taylor Watts	SPHS
2 nd Technology Engineering	126	Free Energy Motor	Tarun Palepu	AHS
1 st Technology Engineering	117	Micro-Hydro Power 2	Daniel Nelli	AHS
3 rd Earth Science	233	Purification of Water Through Mirror Distillation	Andrea Cuevas Kelly Roddick Lauren Huffstetler	AHS
2 nd Earth Science	227	Wooded Buffer: How They Affect Turbidity and Macro Invertebrates	Ashley Frady Kenzie Farmer Lyndsay Richards	FHS
1 st Earth Science	228	Oil in our Soil	Lauren Smith	FHS
3 rd Life Science	322	Which High School sports Athletes have the best Reflexes?	Drew Wilson Shelby Howell	AHS
2 nd Life Science	327	Does the Full Moon have an Effect on Human Behaviors and Emotions?	Erica McCray Jessica Santiago	AHS
1 st Life Science	332	What is the Effect of Fertilizer on Paramecium Bursaria?	Heta Desai	AHS
Honorable Mention	222	How Does the Concentration of Dissolved Oxygen in Water Affect the Abundance of Aquatic Life?	Will Gallman	AHS
Navy	321	Can Dandelions Inhibit Bacterial Growth?	Claire Lemke	AHS
Navy	233	Purification of Water Through Mirror Distillation	Andrea Cuevas Kelly Roddick Lauren Huffstetler	AHS
Navy	113	Create the Best Combination of Fabrics to be Layered for Use in Cloth Diapers	Mary Yavelak	AHS
Navy	117	Micro-Hydro Power 2	Daniel Nelli	AHS
Navy	124	Creating a Mechanism to Harness Sticky Tape's Stored Energy to Produce Sufficient Radiation	Cody Gibson Jack Novansky Joseph Heavener	AHS
Navy	20	How Does the Modification and Manipulation of the Anode and Fuel Injection into a PEM Fuel Cell Affect the Voltage Produced?	James Black Shannon Kay	AHS
Overall	113	Create the Best Combination of Fabrics to be Layered for Use in Cloth Diapers	Mary Yavelak	AHS