

PRINCE GEORGE'S AREA
SCIENCE FAIR - April 2, 2006

Junior - Behavioral and Social Sciences

J-0101 Impatient Intersections
J-0102 Do You See What I See? ...
J-0103 Shopping

Junior - Biochemistry

J-0201 C for Yourself
J-0202 Process of DNA Fingerprinting
J-0203 The Good, the Bad, and the Oily
J-0204 Biodiesel
J-0205 No One Likes a Bad Apple
J-0206 Egg Quality
J-0207 Crossing the Membrane: Its Osmotic
J-0208 Citric-Electricity
J-0209 Comparing Apples to Oranges

Junior - Botany

J-0301 Determination for Germination
J-0302 Hydroponics
J-0303 Shine On
J-0304 Seed Germination
J-0305 Coffee Beans
J-0306 Effect of Colored Light on Plants
J-0307 Salty Plants
J-0308 CO₂ - Is It Good for You?
J-0309 Mealworm Science Project
J-0310 Which Soda Has the Most Kick?

Junior - Chemistry

J-0401 Bricks and Heat Absorbing or Reflecting
J-0402 Eat Your Vegetables...OK, Which Type?
J-0403 "ICY"
J-0404 20,000 Leagues Under the Sea
J-0405 Have a Woody Day
J-0406 Browning Apples
J-0407 Igniting and Burn Time of Material
J-0408 Does Temperature Affect a Chemical Reaction?
J-0409 H₂Orange
J-0410 Salt, Sugar, Alcohol and Ice Cubes
J-0411 The Teary Tampon
J-0412 How Do I Dissolve My Pain?
J-0413 Battle of the Batteries
J-0414 Felt Facts

Junior - Computer Science

J-0501 Computer Keyboards
J-0502 More Bang for Your Buck!
J-0503 What Sort of Sort Changes with the Range?
J-0504 Can a Picture Hide a Thousand Words?

Junior - Earth Science

J-0601 The Niagara Effect: Erosion by Water
J-0602 Power of pH

J-0603 Loam Sweet Loam
J-0604 Are Your Suds Duds? Hard Water vs. Soft Water
J-0605 Does Water Depth Affect the Power ...

Junior - Engineering

J-0701 Solar Energy A Bright Idea
J-0702 Copper vs. Fiber Optic for Transmitting Sound
J-0703 Solar Energy and Angle of Cell
J-0704 It Goes and Goes and Goes
J-0705 Liquid Lubricant Verses Solid Lubricant
J-0706 Fighting Floodwaters
J-0707 Laser Com System
J-0708 Will it Collapse or Not?
J-0709 A Bridge Too Far
J-0710 Sandwiched Between Bricks

Junior - Environmental Science

J-0801 What's In Your Water?
J-0802 How Much Trash?
J-0803 Stain, Stain, Go Away
J-0804 An Explosion of Life
J-0805 Water Filtration: Is it Necessary?
J-0806 How Green is Your Grass?
J-0807 Don't Drink From the Sink
J-0808 Purifying Muddy Waters
J-0809 Clean Enough to Drink

Junior - Mathematics

J-0901 What's the Prob?
J-0902 The Butterfly Effect

Junior - Medicine and Health

J-1001 A pHunny Cup of Tea
J-1002 Have You Seen the Battle of the Mouthwash?
J-1003 Vitamin C Yourself to Good Health
J-1004 What Proofs of Alcohol Will Dehydrate the ...
J-1005 The Rhythm and Blues of Salty Foods

Junior - Microbiology

J-1101 Get the Dirt on Your Ice
J-1102 A Light on Mold
J-1103 Why and How Fast Does Bread Mold and Grow

Junior - Physics

J-1201 Which Bridge is Stronger?
J-1202 Is Your Shot 90o
J-1203 Scientific Symphony
J-1204 Viscosities vs. Boiling Points
J-1205 How Size and Weight Affect Bernoulli Law
J-1206 A Levee's Shape and Its Performance
J-1207 Can What You Wear Cause You to Explode?
J-1208 Solar Energy - Improvements for a Better Future
J-1209 How Strong Is the Attraction?
J-1210 Air, What a DRAG!
J-1211 Flat or Sharp?
J-1212 Hooke's Law

J-1213	The Heat is On - the Attraction is Gone	S-0304	Hormonal Hothouse
J-1214	Distance Resistance II	S-0305	What Can Plants Do With More CO2?
J-1215	Refraction in Liquids	S-0306	Caution: Oil Spills
J-1216	Arrows Trajectory	S-0307	Tagetitoxin Effects on Chromoplasts
J-1217	Does the Angle Matter?	S-0308	Electromagnetic Fields
J-1218	Pop, Pop, Pop Goes the Corn	S-0309	Gene Expression in Arabidopsis Thaliana
J-1219	Watts in Your Light Bulb?	S-0310	Allelopathy and it's Affects of the Biomass ...
J-1220	Coin Roll	S-0360A	CO2 and the Beanstalk
J-1221	Show Your Glow	S-0360B	CO2 and the Beanstalk
J-1222	Solar Stills the Cheap Bottled Water		
J-1223	Racing With Angles		
J-1224	Magnets Attract Steel Paper Clips ...		
J-1225	Measuring the Fastest Speed in the World	S-0401	Optimization of Extraction of Phenolics
J-1226	CD Gets Left - Will It Pass the Test?	S-0402	Properties of Water
J-1227	Shedding a Little Light on the Subject	S-0403	A Novel Compound for Deprotection...
		S-0404	Candy and Paper Chromatography
	Junior - Space Science	S-0405	Vitamin C Degradation
		S-0406	Got Milk?
J-1301	Investigation of Cratering by Cosmic Objects	S-0407	How Do Your Plastics Stack Up?
J-1302	Going the Distance	S-0408	Determining Molecular Constants of CO
		S-0409	Sorption of Arsenic by Laterite
	Junior - Zoology	S-0410	Aluminum Verses Vinyl Siding
		S-0411	Why is Tomato Sauce Corrosive?
J-1401	Does Weather Affect Frog Calls?	S-0412	Satium or Potassium, and the Blue bottle...
J-1402	Can of Worms: Regeneration	S-0413	Hydrogen Peroxide verses Haircolor
J-1403	Shufflin' Shrimp	S-0414	M+M Chromatography
J-1404	Sugarfly Honey Munch	S-0415	Which Household Cleaning Solution...
J-1405	Puritan Tiger Beetle		
			Senior - Computer Science
	Senior - Behavioral and Social Sciences	S-0501	Programming a Tetrahedral Walker
S-0101	The Role of Size in Territorial Defense	S-0502	Bluesniping Rifle - Target Bluetooth Security
S-0102	"Mammoday": Breast Cancer Screening	S-0504	WiFi Signal Strength
S-0103	Studying Smart with Kermit	S-0505	Tumbling Tetrahedrons
S-0104	Give Em' Some Room	S-0560A	Make Me a Match
S-0105	Attraction to Distraction	S-0560B	Make Me a Match
S-0106	The Mistaken Identity		
S-0107	Visitor Response to Zoo Exhibit Change		
S-0108	A Typology of Prehistoric Pottery Rims		
S-0109	The Lefty Logic	S-0601	Aircraft Measured Cloud Particle Phase
S-0160A	Laptop Effect on Child's View of Hospital	S-0602	Environmental Study of Early Eukaryotes
S-0160B	Laptop Effect on Child's View of Hospital	S-0603	Predicting the Weather
			Senior - Earth Science
	Senior - Biochemistry		
S-0201	Starchy Foods	S-0701	Changing Concrete's Composition
S-0202	Heat and Vitamin C	S-0702	Protein Semiconductor Parameterization
S-0203	Antioxidants in Blueberries	S-0703	Temperature verses Volts
S-0204	Extracting Onion DNA	S-0704	Effect of Building Material on Energy...
S-0205	Extracellular Proteome of Bassiana	S-0705	Effects of Pressure on Suspension Bridges
S-0206	Protein Misfolding	S-0706	Best Blade Design
S-0207	Broccoli and Beyond	S-0707	Help is on the Way: Emergency Structures ...
S-0208	Deoxyribonucleic Acid Chromatography	S-0708	All Stressed Out
S-0209	Got Beef?	S-0709	Going the Distance
S-0210	Regulation of the ASAP1 Arf Gap Domain	S-0710	Efficient Trusses
S-0211	How Does Vitamin C and Iron Content ...	S-0711	Air Pressure
		S-0712	Environmentally Friendly Energy
	Senior - Botany	S-0713	Improving a Projectile's Trajectory
		S-0714	Gone With the Wind
S-0301	Genetic Analysis of Atcei2 and Atce14 Mutants...	S-0715	Nascar Robotics
S-0302	Viroids and Tomato Growth and Development	S-0716	Give Me the Bridge
S-0303	The Fruits are Fermenting	S-0717	3D Steerable Magnetic Field Sensor

S-0718	How Aerodynamics Affect the Speed of ...	S-1104	Slow Homicide: UV Light on E.coli K-12
S-0719	The Solution?	S-1106	The Effects of pH on the Biodegradation ...
S-0720	Solar Energy: A Bright Alternative to Fossil Fuel	S-1107	T. Cacao Endophytes and Cajanus Cajan
S-0721	Dynamics of Impact System	S-1108	CSI: Captures Killer Insects
S-0722	Can Paper Structures Compete with Steel	S-1109	The Effect of Different Types of Light ...
S-0723	Getting a Little "Lift" Out of a Wing ...	S-1110	Dirty Dispensers
S-0724	Solar Forge	S-1111	Cloning the Green Fluorescent Protein
S-0725	The Hover Crafts Variable	S-1160A	The Path to Cancer Therapy
S-0726	Flying Under the Radar	S-1160B	The Path to Cancer Therapy
S-0760A	Self-Healing Struts		
S-0760B	Self-Healing Struts		
S-0761A	Search and Destroy		
S-0761B	Search and Destroy		
S-0761C	Search and Destroy		
	Senior - Environmental Science		
S-0801	Purity of Water	S-1201	Full of Hot Air
S-0802	Treating Acid Mine Drainage	S-1202	Sail as an Electrical System
S-0803	Phosphate, Nitrate and Levels of pH in Water	S-1203	Air Resistance
S-0804	The Quality of Water: Is it at its Greatest?	S-1204	Electromagnetism
S-0805	Relationship Between Turbidity and ...	S-1205	Does Friction Influence Distance?
S-0806	A Tale of Two Oysters and Algal Blooms	S-1206	Optimizing Quality Control for AIRS Data
S-0807	Fish Biodiversity in the Chesapeake Bay	S-1207	Which Position Affects the Collection of Solar...
S-0808	Correlation Between Water Temperature and...	S-1208	If You Can't Take the Heat
S-0809	The Effect of Pollutant on the Growth of Plants	S-1209	How Does Weight Distribution Affect Circular...
S-0810	Ozone: Understanding Pollution in Maryland	S-1210	Electromagnetically Made Movement
S-0811	What Type of Fertilizer Affect the Growth ...	S-1211	Detection of Atmospheric ¹³ CO ₂
S-0812	Crayfish Survey	S-1212	Fiber Optic Signal Journey
S-0813	The Chemistry of Growth	S-1213	Conductivity
S-0814	Flood Control	S-1260A	Parachu to the Rescue
S-0815	Put Your Water to the Test	S-1260B	Parachu to the Rescue
S-0816	Heavy Metal Paints in the Environment	S-1261A	Oh My Gosh: Rotation
S-0817	Worldwide Water Woes	S-1261B	Oh My Gosh: Rotation
S-0818	Can I Drink the Water?		
S-0819	Pollution Solution		
S-0820	Effect of Waterfowl on E.Coli Count		
S-0860A	Cropping Systems Effect on Greenhouse Gas		
S-0860B	Cropping Systems Effect on Greenhouse Gas		
	Senior - Mathematics		
S-0901	Damage Detection System for RCC	S-1301	Infrared Photometry of a GRB Afterglow
S-0902	Statistically Spelling Doubled	S-1302	Nature of Peaks in Copernicus
S-0903	The Sneeze: How Far Do Those Germs Travel?	S-1303	How Far to the Moon?
		S-1304	Laplacean Orbit Determination
		S-1305	Depletion of Ions Inside Rhea's Orbit
		S-1306	The Dust Devils Did It - Wind Erosion...
		S-1307	Put the Stress 2 the test...The Rest is History
			Senior - Zoology
S-0901	Damage Detection System for RCC	S-1401	Assessment of Turkey UVJ Strips ...
S-0902	Statistically Spelling Doubled	S-1402	Sciences Impacting Bee Capture Rates
S-0903	The Sneeze: How Far Do Those Germs Travel?	S-1403	Solution Tests Improving Apoidea Catches
	Senior - Medicine and Health		
S-1001	Sugar vs. Substitutes		
S-1002	Gene Expression Colorectal Cancer Lines		
S-1003	Assessing the Risk of Avian Influenza H5N1		
S-1004	DNMT Activity and Oxidative Stress		
S-1005	ECE-1B Genotype & ET-1 Plasma...		
S-1006	BAG-Family Stress Response in Breast Cancer		
S-1007	Comparison of Cytoskeleton of Neuroblastoma ...		
S-1008	Resveratrol Causes Direct Mitochondrial...		
	Senior - Microbiology		
S-1101	The Induction of DNA Damage by UV Light		
S-1102	Bacteria Free!		
S-1103	Bathroom Bacteria		