

## Project Idea Tool 2010 Project Titles

Junior Div Cat	Project Category	Grade	Project Title
<b>Elementary Division</b>			
	<b>Animal Sciences</b>	5	Tricks for Treats
	<b>Behavioral and Social Science</b>	5	Focus
		5	memory recall capacity
	<b>Chemistry</b>	4	Lydia's Big Bread Experiment
		5	Remover Squad
		5	Fueling the Future
	<b>Earth Science</b>	4	Tornadoes: Clockwise or Counterclockwise?
		4	Rock Salt vs. Morton Iodized Salt
		4	Mentos and Diet Coke: Why it works
		4	What Solar Panel Would be Better: Clear or Foggy?
		4	Dueling Diapers
		4	Seven Layer Density Column
		4	Geothermal Energy
		5	Clean That Oven
		5	Harness the Power of the Sun
		5	Why Is Salt Needed?
	<b>Energy and Transportation</b>	4	How does change in light intensity affect the output of solar cell?
		5	Windy City
	<b>Engineering</b>	4	Water Dam
		5	Veggie Voltage
		5	which insulating material is best for insulating houses
		5	How do Wire Lengths on a Hand Made Electricity Generator Effect a Light Bulb
		5	Break The Brick
		5	Equal It Out
	<b>Environmental Management</b>	5	Best Home Based Stain Removing Agents
		5	squeaky clean dishes
		4	Chlorine Versus Oxygen Bleach
		5	That's the Bright Idea
		5	OIL POLLUTES THE WATER OIL CLEANS IT THE BEST
	<b>Life</b>	4	Plant Growth Using a Bone Stimulator
		4	Electrifying Fruit and Vegetable
		4	The Wandering Wax Worms
		4	How Moldy Is Your Bread
		4	Are Almonds the Healthiest Nut?
		4	Flower Colors
		4	How Can You Make a Bean Grow Better?
		5	Dirty, Dirty Dishes
		5	Reaction Ready?
		5	Equine Sight in the Dark
		5	Leftie Rightie
		5	More Tea Please
	<b>Mathematics</b>	4	Jell-o Splat
	<b>Medicine and Health Sciences</b>	4	The Power Of Music- What kind of Impact does Music have on your Vital Signs?
		5	Quality of Water
		5	Removing Stones the Pain Free Way
		5	Save some vitamin c
	<b>Microbiology</b>	5	THE EFFECTS OF HOMEMADE YOGURT ON HARMFUL BACTERIA

## Project Idea Tool 2010 Project Titles

Junior Div Cat	Project Category	Grade	Project Title
	<b>Physics</b>	4	How Much Height to Loop the Loop?
		4	Bubble Wrap vs. Styrofoam
		4	Golf 101
		4	Cool Kicks
		4	How Sound is Effected by Characteristics of a Room
		4	Egg Flotation
		4	Electromagic
		4	The Density of Liquids
		4	Stain Squad
		4	Operation Catapult
		4	Does Distance Affect Magnification?
		4	Lubricants effect on friction
		4	Can I Make a Wireless Working Telegraph?
		4	Get Packing
		4	What Metal Conducts Heat the Best?
		4	Does the Height of a Ramp Affect the Distance an Object Travels?
		5	What Makes a Bouncy Ball Bounce?
		5	What Will Evaporate the Most: Pop or Water?
		5	Going the Distance
		5	Wrap It Up
	<b>Plant Sciences</b>	4	The Wonderful Mini World of Moss!
		4	Grow! Grow! Grow!
		5	The effect of Bleach on plant growth.
		4	Rubber Band Trajectory
		4	Will Seeds Grow With Different Liquids?
		4	Which Liquid Boils the Fastest?
		5	What Cools Cans the Quickest?
		5	Plop, Plop, Fizz, Fizz: Oh What a Relief It Is
<b>Junior Division</b>			
<b>Life</b>	<b>Animal Sciences</b>	6	Strange Change Rabbit Behavior
		7	Help Me Loose My Bladder Stones! (A Solution for Urinary Tract Crystals)
		8	Phew! You stink!
	<b>Behavioral and Social Science</b>	7	Positive and Negative Reinforcement
		7	Can You See it?
		7	PLEASE DON'T STOP THE MUSIC
		7	Time To Take Your Temperature
		7	Our Brain and Exercise
		7	Do Dancers Have Better Balance?
		7	Positive and Negative Words
		8	How does listening to music affect your ability to memorize facts?
		8	do different types of music affect short term memory?
		8	Does Smell Affect Taste?
		8	Keep the Heart Beat
		8	Does The Subway Diet Really Work?
		8	Can You Hear Me? Do You Understand? Speak!
		8	Monster Energy Drinks
		8	The Stroop Effect
		8	The Rest You Need
			<b>Biochemistry</b>

## Project Idea Tool 2010 Project Titles

Junior Div Cat	Project Category	Grade	Project Title
		7	Diffusion and Medicine, Understanding the Connection!
		8	D.N.A. Extraction
		8	Video Games and Heart Rate
	<b>Cellular and Molecular Biology</b>	6	Stain Away!
		6	The Growth of mold
		7	It's Alive-At Yeast We Think Dough
		8	Mold Growth on Different Types of Bread
	<b>Life</b>	6	Is Heartburn Medicine Really an Acid or a Base?
		6	Heart Exercise
		6	Does Sight Effect Your Sense of Smell?
		6	Does a Magnet Affect a Plant's Growth?
		6	Autism Awareness
		6	Massage Therapy for the Bow-Ows
		6	Composted Soil vs. Potting Soil
		7	wadup dawg
		7	What Water Bottle is Safer to Reuse Over and Over Again?
		7	The Mysteries of the Mind
		7	Which Soap Kills the Most Bacteria?
		7	Finding Salt Sensitivity in South Asians
		7	Calcium Crisis
		8	How Accurately Can People Judge Books by Their Covers?
		8	What Allergy Antihistamine Starts Working the Fastest?
		8	How Long Do Beans Soak Before They Become Hydrated?
	<b>Medicine and Health Sciences</b>	6	Carb Sport A Race to Raise Blood Sugar
		6	PEACE
		6	With or Without Air Purifier
		6	McRot
		6	Music For The Heart
		6	Fast Asleep
		7	Melt Away the Pain
		7	Nail Growth
		8	Eat Well, Live Better (cancer free)
		8	Free Throw Accuracy
		8	Can You Hear It Better
		8	Musicians vs. Non-Musicians
		8	How Heart Rate is Effected at Different Running Speeds
		8	How do energy drinks affect your heart rate and blood pressure after 15 minute increments of time?
		8	Dominate the Dominance
		8	Can Exercise Effect Global Warming?
		8	Energy Drinks and the Effect on Heart Rate and Blood Pressure
	<b>Microbiology</b>	6	Moldy Bread
		6	Will Dog Saliva Be Effective In Killing Bacteria Found On Human Hands?
		7	Which disinfectant and antiseptic work best against bacteria?
		7	Dine-in Vs. Carry-out
		7	Bacterial Growth
		7	What Cleaners Can't Clean
		7	The Antibacterial Challenge
		8	Bacteria Lurking In Your Home
		8	Cleaning Products, Fact or Fiction

## Project Idea Tool 2010 Project Titles

Junior Div Cat	Project Category	Grade	Project Title
		8	Does Bacteria Content Increase When a Water Bottle is Not Properly Washed?
		8	5-Second Rule: Fact or Fiction?
	<b>Plant Sciences</b>	6	Flower Power
		6	Where oh Where does algae grow?
		6	Soil Types
		7	Can Soaking Seeds In Different Chemicals Effect Their Germination Rate???
		7	Sprout To The Finish
		7	Half or Whole
		7	Do Vegetables and Fruits have DNA
		7	The Effect of Hydrogen Peroxide on Seed Germination
		8	Do Plants Grow Better if Watered with Water or Milk?
		8	Dyeing Naturally
		8	Effect of Energy Drinks on Plant Growth
		8	TOO LITTLE LIGHT TO TAKE IN
<b>Earth/Chem</b>	<b>Chemistry</b>	6	Seal The Deal
		6	Disc Cleaning True or False?
		6	Dry Ice
		6	Does Temperature Affect the Molding Process of Cheese?
		6	Battery Brand Endurance
		6	Sweet vs. Sour What Starts You Up
		6	What Diaper Works Better?
		6	Toothpaste Solids
		6	Cutting the Grease
		6	Shocking Materials
		6	H2O2 Magic
		6	Permanent Bond
		7	which Brand of paper towel is better
		7	Marker Chromatography
		7	High Flying
		7	Can Oil Be Frozen
		7	Growing Crystals
		8	Ultraviolet Light
		8	Pennies and Acids
		8	Chocolate How Hot Can It Get
		8	Do white candles burn faster than colored candles?
		8	Which popcorn pops the best?
		8	What Type of Plastic Wrap Best Prevents Evaporation?
	<b>Computer Science</b>	7	Camera Comparison
	<b>Earth Science</b>	6	The Power of Wind
		6	Wood Hardness and Absorption
		6	Table Salt and Rock Salt
		6	Wind Turbines
		7	Don't Slide! Use Salt.
		7	TERMITE INSPIRED AIR CONDITIONING
		7	Is Copper a Better Conductor than Aluminum?
		7	Does Food Dye in Water Change the Colors of the Rainbow?
		7	Does Food Dye in Water Change the Colors of the Rainbow?
		8	Decomposition Dilemma
		8	Water Bottle Experiment

## Project Idea Tool 2010 Project Titles

Junior Div Cat	Project Category	Grade	Project Title	
	<b>Energy and Transportation</b>	6	How a Car's Shape Affects its Drag	
		6	Here Comes The Sun	
		6	Horsepower	
		6	Sitting on Air	
		7	Wind Energy	
		7	The Amazing Fuel Cell Car	
		7	Hair Affair !	
		8	Heat Retention of Throw away and reusable cups	
		8	Light + Color = Energy	
		8	Which Color Candle Lasts the Longest?	
		8	Wind Power	
		<b>Environmental Management</b>	6	Which type of rabbit bedding is the most biodegradable
			6	Trashtalking- Keep it Clean
	6		Buried vs. H2O	
	6		Race to Biodegrade	
	7		Reusing Broken Solar Panels	
	<b>Environmental Sciences</b>	6	Solar-powered Water Desalination	
		6	Bottled water vs. tap	
		6	What kinds of liquids promote corrosion	
		7	Man, I Got A Stain!	
		7	Fabric Filter	
		7	What's in Your Water?	
		7	Are Things Always as They Seem?	
		8	Is There Bacteria In The Water You Use ?	
<b>Physical</b>	<b>Engineering</b>	6	Nano Glass Nano Glass on the Wall...Who Reflects Most Light to All?	
		6	The Ultimate Battery Test	
		6	Home Made Hover Craft	
		6	How will a projectile such as a nerf dart react under different PSI's and angles	
		6	Pump It Up	
		7	Watch out - there's ice!	
		7	It's Cold In Here	
		7	Watts the Hottest Bulb?	
		8	Electricity in Foods	
		8	Quake it and Shake it	
		8	Technology Meets Environment	
		8	Which fruit has the highest voltage?	
	8	what lubricant is the best?		
	8	The Most Absorbent Diapers		
	8	Mom! Can you get this stain out?		
	<b>Physics</b>	6	Rusty Crusty	
		6	The Capillary Factor	
		6	Does Fabric Type Effect Cloth Drying Time?	
		6	Junior Flex Ratings for Hockey Sticks	
		6	How Strong Is A Nylon Fishing Line?	
		6	Consumer Alert: Don't Get Burned stretchy	
		6	Do Magnets Erase Cassette Tapes	
		6	The Battle Between Soap and Soap Scum!	
6		Permanent or Not?		

## Project Idea Tool 2010 Project Titles

Junior Div Cat	Project Category	Grade	Project Title
		7	Testing Glucose Levels
		7	Which Model of Paper Airplane Flies the Farthest?
		7	That Sounds a Little Fishy
		7	Does the Temperature of a Magnet Effect its Strength
		7	How Will Weight Affect the Height of a Homemade Hovercraft?
		7	Stretchy
		7	I Hear Something Popping
		7	The Future of Entertainment
		7	Solar Powered Radio
		7	Solar Powered Radio
		7	H2O Electrolysis
		7	H2O Electrolysis
		7	Solar Powered Radio
		8	THE EFFECT OF ARROW WEIGHT ON ARROW SPEED
		8	Cork Or Rubber
		8	Permanent Marker Removal
		8	Scented Vs. Unscented: The Battle is Over
		8	Can Camera Angle Eliminate Red-Eye Effect?
		8	Soggy Cereal
		8	Muscles: Scrawny or Brawny
		8	Velocity Consistencies of Cheap v. Premier Shotgun Ammunition
		8	Which Mug Keeps Coffee The Warmest The Longest?
		8	How Can a Tee affect your Drives?
		8	Pump It Up!
		8	How Weight Effects Arrow Accuracy
		8	How does hockey stick flex affect slap shot speed?
		8	BBs or Pellets?
<b>Senior Division</b>			
	<b>Computer Science</b>	10	Optimizing the Deflation Strategy of a Divide and Conquer Eigensolver with a Genetic Algorithm
	<b>Chemistry</b>	10	Detection of Radioactive Emissions from Common Household Articles Using a Cloud Chamber
	<b>Microbiology</b>	10	Germ Warfare
	<b>Animal Sciences</b>	10	Diet and the Ecosystem
	<b>Medicine and Health Sciences</b>	11	Antacid Adjustments
	<b>Physics</b>	12	Electromagnetic Acceleration: Wave of the Future?
		12	Solar Sails: Which Design is Most Efficient?
	<b>Animal Sciences</b>	12	Honey of a Mystery Investigation
	<b>Energy and Transportation</b>	9	Alternative Energy: Wind vs. Water
	<b>Mathematics</b>	9	Music 'n' Math
	<b>Energy and Transportation</b>	9	Shut the Front Door
	<b>Microbiology</b>	9	Bacillus x isolated from a dollar bill is a real Germicide