

2007 FASF Project Titles

Project Category	Grade	Project Title	
Behavioral and Social Science	4	A Hamster's Sense Of Direction	
	5	Classical Conditioning	
	5	See It or Hear It	
	4	That LOOKS Yummy!	
	Biochemistry	4	The Mummification Process
		5	Can Classical Music Affect Plant Growth?
		4	Effects of Sounds on Plants
		5	Germination of Grass Seeds
		5	I Can Hear Without Ears
	Chemistry	4	The Effects of Nitrogen on Plant Growth
		4	All Dried Up
		4	Cola Toes
		5	Colored Candles
		4	Dyeing Cloth with Natural Dyes
		4	Hard Water vs. Soft Water - A Fight for Clean Clothes
		4	Turning Colored Water Clear
		4	Which Milk freezes and melts the fastest?
		5	Would Non-Floatable Soap Float Without Changing the Weight or Materials In It?
		Earth	5
	4		Composting
4	Does Salt Affect the Freezing Time of Water?		
5	Don't Rain On My Parade		
4	Geothermal Power Plant Model		
5	Growing, Growing, Grown		
4	Insulating With Recyclables		
5	Is All Sand Made of the Same Thing?		
4	Muggy Muddy Waters		
4	On Pins and Needles		
4	Project Clean H ₂ O		
5	Ripple Waves		
4	Salt Volcano		
5	Snowflakes - CHILL OUT!		
5	Solar Energy's Hot!		
5	Sunspots		
5	The Effect of Laundry Rinse Water on Growing Beans		
5	The Great Evaporation Race		
5	Up, Up, and Away!		
5	Water Justice - Because Water Needs a Good Lawyer		
5	When Will They Vanish?		
Earth and Space Science	5	Containing Energy From The Sun	
	5	Levee Design: Can Matching the Wave, Catch the Wave?	
	4	Wood's UP?	

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Engineering	4	Tennis Ball Lift	
	4	Timber	
Environmental Science	4	A Big Warning About Global Warming!!	
	5	Celery, Water, Food Coloring: What's Next??	
	4	Flamin Hot Fabrics	
Health and Medicine	5	Which Pollution Effect is Worse, Increased Rainfall, Wind or Acid Rain?	
	4	Does Changing Body Position Affect Heart Rate?	
	5	Does Reading Have to Make Me More Nearsighted?	
	5	Energy Drinks the Big Craze, or Are We Crazy for Drinking Them?	
	5	Good Bad and Ugly	
	5	Hand Me Power	
	4	POPing your teeth	
	5	What will increase your heart rate more, a running or a jumping exercise?	
	5	Which Soda is More Carbonated?	
	Life	5	A Tooth in Coke
5		All About Bananas	
4		Cavities	
4		Diaper Wars	
5		Different Resting Pulse Rates in Boys and Girls	
5		DNA (Deoxyribonucleic Acid)	
5		Does Chicken Manure Help Plants Grow Taller?	
4		Does Fruit and Vegetables Ripen Faster With Heat and Light?	
4		Don't Tell Your Dentist	
5		Food Gone Bad	
5		Growing Higher and Higher	
5		Homemade Compost vs. Miracle Grow	
5		How Does Heat From Below Affect Root Development in Houseplants?	
5		How Much Water Is In An Apple?	
5		Listen to Your Heart	
4		Sip All Day, Get Tooth Decay	
4		What Is the Difference Between Brain Writing and Handwriting?	
4		What Time Is It With a Potato Clock and Lemon Clock?	
4		What's Good For You?	
Microbiology		4	Which Fruit Has the Most Vitamin C?
	5	Young and Lovely Vitamin E	
	5	What Type of Soap Kills the Most Germs?	
	Physical	4	Aerodynamics
		4	Amazing Forces
4		Chewing Light	
4		Conductor or Insulator	
5		Cookie Madness	
4		Do Static Cling Sheets Really Work?	
4		Does a Short-Winged or Long-Winged Paper Airplane Go Farther?	
5		Does Temperature Effect the Height of a Bouncing Ball?	

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	5	Does the Temperature of a Rubber Ball Affect How High It Will Bounce?
	4	Dog Feeder 3000
	5	Don't Break the Bridge
	5	Egg Float
	5	Electricity Gone Organic
	4	Get Your Sugar Out of My Salt
	4	How to Make a Bubbling Lava Lamp
	4	Kitchen Pulleys
	5	Laser Sonic Sound Waves
	4	On Your Mark, Get Set, Go!
	4	Paper Towel
	5	Parachute Rockets
	4	Penny Powered L.E.D. (Light Emitting Diode)
	4	Pop-So-Fresh
	4	Roo's Ball Launcher
	4	Siphon
	4	Strength Isn't Always Measured By Size
	5	Technology Invades
	5	The Aerodynamic Answer
	4	The F. E. S. Planter
	5	Truss vs. Suspension
	5	Twinkle, Twinkle Little Star
	4	Visualizing Sound
	4	Voice Transmission Thru Metal
	4	Which Brand of Popcorn Makes the Most Popped Kernels?
	5	Which Fabric is the Most Flammable?
	5	Which Fruit Has the Most Juice?
	4	Which Fruit or Vegetable Produces the Most Voltage?
	4	Which Liquid Melts the Fastest?
	4	Why Do Some Things Float?
	4	Will the Light Bulb Glow?
Physics	4	A Watched Pot Never Boils
	5	Angles and Bands: Influence on Range.
	4	Crash Test Eggs for Dummies
	4	Fruit and Veggie Battery
	4	HEAT BEAT
	4	How Do Airplane Propellers Work?
	4	Magnetic Levitation of a Paper Plate
	4	Power & Speed
	4	Shaped for Speed
	4	The Speed of Sleds
	5	Two Way Traffic
Not Reported	4	Amazing Volcanoes
	5	Crystals

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	4	Do Dogs Have a Color Preference ?
	5	Does the Color of Light Have an Effect on the Growth of a Plant?
	4	Which Juice Cleans Pennies the Best?
	4	Which of the (3) Liquid Dish Soaps Will Show My DNA?
Group Projects		
Behavioral and Social Science	5	Caffeine Conclusion
	5	Subliminal Effect
Earth	4	Mount Zyus
	4	Old Jazand
Health and Medicine	8	Does Bacteria Increase if the Water Bottles Are Properly Washed?
	5	FEEL YOUR HEART
	8	How Does Heart Rate Change According to the Age, Gender, and Condition of a Person?
Life	4	Hairy Sponge
Physical	6	Massive Heat
Physics	5	A Sticky Situation
	5	Effect of Weight, Length, and Starting Position on Pendulum Swing Time
Junior Division		
Behavioral and Social Science	8	ARE DOGS RIGHT OR LEFT PAWED
	8	Depth Perception
	7	Do Cell Phones Affect Reaction Time?
	6	Do Dogs Have a Color Preference ?
	6	Do the Eyes Have It?
	8	Heart Sick Music
	8	Hiccups Be Gone
	6	How Do I Remember All This?
	8	How Do You Serve a Volleyball?
	8	Illusion Confusion
	6	Memory: For Better or Worse with Age
	8	Responsive Reactions
	8	The Illusion That is Our Consciousness
	6	Truth and Mirage
	7	What Do You See?
	6	What Effect Does Regular Physical Exercise Have on the Lungs' Capacity?
Biochemistry	8	Water Pressure
	6	Where Does Perfume Come From?
Botany	8	Cam's Plant Problem
	7	Candles VS Plants
	7	Does Acid Rain Affect Plants
	8	Microwave Effect on Plants
	7	Nutrition from the Sea?
	6	Plants and Fertilizer
	6	Plants Gone Fresh

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Chemistry	6	Scented Plants
	6	The Best Preservative for a Rose!
	6	What Liquid Should I Choose?
	7	What Vitamin Helps Plants Grow
	8	Analysis of Organic Foods Are They Worth the Money?
	8	Does Water Have Memory?
	6	Drug Solubility
	6	Jell-o or Gel-No
	6	Milk and the Effects of Time
	6	Separating Layers
Computer Science	6	Store Brand Cola Challenge
	7	Sweet of Tastes Like Feet
	6	What's Up with Bubbles?
	8	Do You Really Earn the Grade?
	7	A Clean World is a Happy World
	7	Biogas Generator
	7	Global Warming and What is it Doing to Our Earth?
	6	How Clean is the Air?
	6	How Oil Spoils Your Soil
	7	The Mystery of Homemade Stalactites
Earth and Space Science	8	To Rust or Not to Rust
	7	?What Vanilla Ice Cream Melts Fastest?
	6	Designed for Flight
	7	Hot Stoves
	7	Popcorn Popper
	7	Smile for the Camera
	7	The Green Scene
	7	The Way the Ball Bounces
	6	To Heat or Not to Heat
	8	Ultra Violet Ray Mystery
Engineering	7	Which Microwave Works Better?
	6	Floating on Fabrics
	8	Fossil Fuel Freedom - Is the Answer in the Wind?
	7	Its So Cold
	8	Six Sigma Design of Paper Helicopter
	7	Stop Me If you Can!!
Environmental Science	8	What if I Drank It?
	6	Acid Rain vs. Seed Germination
	8	Bad Air Day
	6	Does Density Help Your Boat Float?
	8	Global Warming: Fact, Fantasy or Risky Ignorance
	7	Greenhouse Gases
	6	How Clean is Your Water?
	8	Light Me Up

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Health and Medicine	6	What Not to Wear	
	8	Are You Getting Enough Cardiovascular Exercise?	
	7	Bacteria Alert	
	6	Body Mass Index in Children, Are Children Overweight?	
	6	Calling It Quits	
	6	Candy or Medicine: Is Your Child Confused?	
	8	Does Green Tea Help Hypertension?	
	8	Does Your Eye Color Affect Your Vision?	
	7	Heartrate Recovery	
	6	How Caffeine Affects the Heart Rate	
	7	How Do You Breath	
	6	Keep Your Brain Fit	
	8	Osteoporosis	
	7	Ouch! I Broke a Bone! Was it the Pop?	
	8	The Science of Purple Magic	
	8	Which Increases Your Heart Rate Faster?	
	7	You Might Think Smoking is SMOKIN But Believe Me It Ain't Even Close to be SMOKIN !	
	Life	8	Accuracy of Eyewitness Testimony
		8	As a Matter of Fat
		8	Can Visual Stimulation Falsely Influence People to Disregard Messages from other Senses?
7		Cat Treats	
6		Catch Word	
8		Do Different Types of Music Affect Learning?	
6		Don't Touch That, It Has Germs	
8		High Frequencies and Age	
7		How to Become a Faster Runner?	
7		Kissy Lips	
6		Make-Up Your Mind!	
6		Pop On the Top	
8		Reaction Time: Male vs. Female	
8		Sense of E.Coli Sensitivity to Antibiotics	
6		Soil Sampling for Micro-organisms	
7		Storage Temp and Popcorn	
6		The 5-second Rule	
8		The Affect of Different Prospectives	
6		The Heartbeat of Music	
7		The Mozart Effect: Does It Exist?	
7	The Optimal Position for Egg Incubation		
8	Tunes Help Attention		
7	Venus Fly-Trap Experiment		
7	Vitamin C		
8	Which Beverage Has the Most Effect On Your Body?		
Mathematics	7	Batter Up!	
Microbiology	8	Bacteria	

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Physical	6	Clean Water. Oxymoron?
	8	Germs Working Overtime
	6	Is There a Toilet on Your Can?
	7	Shopping With Bacteria
	6	Super Sanitizer
	7	What Foods Mold Faster?
	6	Your Hands: Are they clean enough?
	6	Balloons
	6	Batteries
	8	Battery Life
	7	Battery Wars
	6	Boiling Point
	6	Candy & Medicine
	6	Color Matters
	6	Depth Perception
	8	Did It Land Butter-Side Down Again?
	6	Drippy Diapers
	6	Electroplating
	8	Ethanol: Good or Bad?
	6	Friction Down Funnels
	6	Heat It Up
	8	Heat Loss
	7	How Do Aerodynamics Affect Flight?
	6	Let It Burn
	6	Look Through the Rainbow
	6	Looking For Air
	6	Motorboats
	6	Mr. Universe Paper Towel
	6	No Friction
	6	Potato Power!
	8	Power-Generating Street Light Pole
	6	Scientific Skittles
	6	Soak It Up
	6	Sour Food
6	Temperate Color	
7	The Glaring Truth	
8	The Life of a Battery	
6	Using Sun Light to Power a Ceiling Fan	
8	What Are the Factors that Affect the Strength of an Electromagnet?	
6	Which Battery Would Last Longer: Duracell or Rayovac?	
6	Which Household Cleaner Will Break Down Jello Best?	
6	Which Soap is Most Effective Against Germs?	
Physics	8	A Weighty Decision
	8	Bridge Stamina

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	7	Canvas or Leather?
	8	Comparison of the Height of a Pressureless Tennis Ball to a Traditional Tennis Ball
	8	Fat or Flat?
	6	Finding Vitamin C in orange juice
	6	Freezing With Fizz
	8	Icy Hot
	8	Illumination Observations
	7	Measuring the Speed of Sound in Helium and Carbon Dioxide
	6	Merry-go-Round
	6	Paper Towel Strength and Absorption
	6	Salt Water Freeze Times
	6	Smelly Bags and I
	8	The Affect of Speed on MPGs
	8	The Effect of Spring Resistance on Turning Speed
	6	The Surface
	7	Under Pressure: Ball Bouncing Dynamics
	6	Which Chip is Greasier
	6	Which Propellant Works Best in a Potato Cannon?
	7	Which Stove Burner Will Get the Hottest?
Zoology	6	Animal Help
	8	Puppy Spectrum
Senior Division		
Behavioral and Social Science	11	How Does Birth Order Affect Our Daily Behavior and Emotions?
Biochemistry	9	No Carb? Or Low-Carb? What fruits, vegetables, and food products contain starch.
Chemistry	9	Reusing Restaurant Oils and Human Health
Engineering	11	Yielding to Pedestrians
Environmental Science	10	Got Gas? Hydrogen Production from Sucrose using Microbes
Life	9	Serotin, Dopamin and Norepinephrine ; The (Scents) of Brain Chemicals.
Microbiology	9	Back Of the Bacteria
	11	Wash Your Hands!
Physical Sciences	12	Reflecting the Way Reflectors Reflect
Physics	10	Laser Taster
	9	Semi-Conductor vs. Crystalline Technology for Solar Cells
	9	The Forces of Rocketry