Science Fair Ideas

Princeton Christian School

Experiments

	Name	Hypothesis	Proc
1	Plastic	Organic molecules dissolved in plastics make them pliable	Spray plastics with water
2	Pendulum	The Coriolis Effect will bend the path of a pendulum	Attach a laser and plot
3	Brain Delay	Neurons are slow. It will take half a second to hit the breaks	Computer program
4	Space Dead Zone	The Earth's gravity makes two zones where objects hover without orbiting	Math and telescope
5	Algae produces electricity		
6	Coins are fixed	Heads is more likely because it is missing more metal	Math and flips
7	Salts Save	Benign salts can change FP of water and save FL aquatic life	
8	Exhaust Hurricanes	$CaCl_2$ in anhydrous fine powder will destroy clouds	
9	Electric Plants	Electrons will replace photons in plant leaves	Static electricity field around farm
10	Double Slit	Light is a wave	
11	Insulation	Plastic over attic fiberglass insulates	
12	Leidenfrost	Red hot metal drops through water more slowly	
13	Break Time	Time how long it takes to hit the breaks and how far car would go	
14	Name Brands	Are name brands better than off brands?	
15	Study Light	What colors keep people alert	
16	Dreams	Dream violence and personality, are dreams wish fulfillment	
17	Sugar Crash	How long for average person	
18	Study Light	What color works best?	

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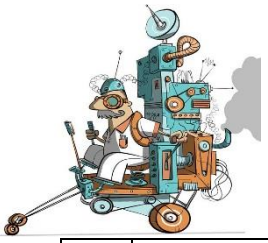

Inventions

	Name	Invention	
1	Laser spy	Bounce laser off glass and amplify	
2	Laser Water Drop Art	IR detects drop and fire lasers by timing	
3	Edison's Cradle	Solenoids and lights with driver chip	
4	Floppy Drive Music	Vibrate head to make music	
5	Appliance Orchestra	Sense and delete sections of AC wave to run at different tones	
6	Find and Move	Long range IR & sensors	
7	Remote Robot Claw	Webcam, Lynx and program	
8	Robot Arm Clock	Pull out free standing numbers every minute	
9	Robotic Etch-A-Sketch	Stepper motors & driver chip with software	
10	Rubins Tube	Dancing fire	
11	Harvesting Wave s	Plastic oval floatations connected to a ratcheting axle	
12	Laser music Synthesizer	Detect reflection intensity & make tone	
13	Emergency Candle Charger	Seebeck effect – electricity from heat	
14	Electric Motor	Both AC and DC	
15	Battery		
16	Solar Oven	Build to maintain 350°	
17			
18			