

CALIFORNIA STATE SCIENCE FAIR 2013 PROJECT SUMMARY

Name(s)	Project Number
Guillermo Haro	10000
	J0909
Project Title	
Electromagnetic Car	
Objectives/Goals Abstract	
The objective of my project is to help reduce the pollution in our environment. I want to get rid of tire and	
gasoline use as a fuel. With the help of levitation there will be almost no friction, therefore not requiring	
as much energy to gain momentum. This characteristic will save energy and m	ake a more efficient
machine.	
Methods/Materials	
In order to get momentum the model will be using a propeller. Since the car will have friction on the ground without wheel I decided to make it float, and in order to do that I used magnets on both the car and	
track. To conduct electricity i used copper strips and copper mesh to continue the current at places where	
there may have been a separation.	the current at places where
Results	
I was able to create a model car that has a constant levitation and can gain momentum with the propeller.	
Once the car has a certain amount of speed it does not need as much power to keep itself going. It was able to keep afloat and stay in motion even after it went through the U turns on either side of the track.	
Since the car has little friction it gains speed quickly and may go at high speed	
constant.	is if the deceleration is kept
Conclusions/Discussion	
This design of transportation would be a great advancement in efficient transp	ortation. The project would
have to go into a bigger scale and needs to go through more tests including ho	w it would react to weather
like rain, snow, or high levels of heat. The whole concept would involve many funds in order to change and recreate today's roads, however there can be adjustments or other options on how it can be used.	
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Summary Statement	
My project is about getting rid of the use of tires and gasoline to improve the environment.	
Help Received	
Father helped build project.	