

CALIFORNIA STATE SCIENCE FAIR 2010 PROJECT SUMMARY

Name(s)	Project Number
David Agdashian	ů –
	S1901
Project Title	
Lightweight Radioactive Shielding	
Objectives/Goals Abstract	
The purpose of this project is to find the optimal, lighweight, yet effective shiel	
material should be light enough to be used in rescue vehicles that the millitary r radioactive fallout.	nay use in case of
Methods/Materials	
Using a Spechtech 360 Geiger Counter, absorbers of lead, aluminum, steel,kevlar, water, and glass. Radioactive sources of Co60 (gamma), and Sr90 (beta), were used.	
Results	
The general curve is that the denser the material is the better a shield it makes. Lead was the best absorber and it was the densest material used.	
Conclusions/Discussion	
As far as absorption, lead was the best absorber because it was the most dense.	
waves need to travel through an absorber, the less strength they will have. How objective of this project, lead is not light enough to be used in vehicles, it is not	
heavy materials.	practical to use such
Summary Statement	
The purpose of this project is to find the optimal, lighweight, yet effective shiel	d from radioactivity.
Help Received Worked at Seebach Physics and Chemistry lab at Ribet Academy.	
worked at Secolari Flysics and Chennishy lad at Kidet Academy.	