

## CALIFORNIA STATE SCIENCE FAIR 2014 PROJECT SUMMARY

Name(s)	Project Number
Evan I. Evers	$\overline{\Delta}$
	34764
Project Title	
Detecting Radiation in Everyday Objects	
Objectives/Goals Abstract	
My objective was to test to see if the public should be concerned about radiatio	Nevel in everyday
Nousehold objects.	
A lead-lined radiation-shielding box was constructed and placed is an empty ro	<b>Seg</b> . Various small
household objects of identical weight were placed in the box one by one, and h	or radiation levels were
measured over 60 seconds. Radiation levels were tested with a Geiger counter to be been stand positioned over a hole in the top of the box. Results were reported	sing a pancake wand on a
Results	and graphed.
Half of the objects had the same level of radioactivity as the control, while the c	other half rose above that
number, with the Apple iPhone testing with the highest result followed by bent	onite clay and Epsom salt.
I believe that my results should ease public concerns of dangerous radioactivity	in household objects.
Even though some of the objects that were tested were more radio ctive than ou	ir control, they were only
marginally so.	as summarily on the monitot
to see how they measure against the Prone 5. and prould use like to test a built	roader range of foods
since the strawberry and cheese samples also tested at elevited levels.	ouder range of roods,
(a, b)	
Summary Statement	
My project tested to see if the public should be concerned about radiation levels objects	in everyday household
Mother helped rature report of distated by student. Depends repted Colors accurt	~ *
womer helped relype report as dictated by student. Parents rented Geiger count	ะเ.