

CALIFORNIA SCIENCE & ENGINEERING FAIR 2018 PROJECT SUMMARY

Name(s)	Project Number
Caleb J. Caminiti	
Project Title	38008
The Effect of Different Types of Toothpaste on Oral B	activial Crowth
The Effect of Different Types of Toompaste on Oral D	acterial Growing
Abstract	
Objectives/Goals	
The object of this study was to find out which type of toothpaste removes the r Methods/Materials	nost bacteria from my teeth.
To conduct this experiment I needed petri dishes with agar, swabs, a mouth w	ith teeth sterile
toothbrushes and four types of toothpaste. Each morning and night at leases	survey apart I brushed my
teeth with one type of toothpaste for two minutes, swabbed my hours, and rule	abed the swab on the petri
dish. I tested each type of toothpaste four times. For my control I used no tooth	paste when I brushed my
teeth. Results	
	when I brushed my teeth.
I tested each type of toothpaste four times. For my control I used so toothpaste To find my results, I counted the colonies on the petri dishes after fifteen days	and averaged the results for
each toothpaste. The toothpaste with the smallest number of colonies howed t	hat there was less bacteria
on my teeth. I found that the Crest Pro-Health Advanded Deep Clean Mint Too	othpaste removed the most
bacteria from my teeth, which confirmed my hypothesis. In addition, I found the removed the least amount of bacteria from my teeth.	hat the Colgate toothpaste
Conclusions/Discussion	
The Crest toothpaste removed the most bacter a from my teen because it conta	ained stannous fluoride and
a strong abrasive. Stannous fluoride is an antibacterial agent not found in the o	ther three brands of
toothpaste. In addition, while researching the regredients of the Colgate tooth ingradients is triclosan an endocrine discreto which can be very harmful to w	paste, I found that one of its
The Crest toothpaste removed the most bacteria from any teel because it conta a strong abrasive. Stannous fluoride is an antibacterial agent not found in the o toothpaste. In addition, while researching the ingredients of the Colgate tooth ingredients is triclosan, an endocrine disruptor which can be very harmful to ye gained from my project can be used by every consumer who needs to know wh	hat type of toothpaste is the
best to purchase and use.	
Summary Statement	
I found that Crost Pro Health Advanced Deep Clean Mint Toothpaste grew the	least amount of bacteria on
the petri dishes, showing that it is the most effective bacteria-removing toothpa	
Help Received	
- //	nce teacher showed me
I designed and conducted the experiment by myself. My mom, who is my scient how to research the ingredients it the toothpastes. I plan to meet with my denti	
review and future investigations.	is case my reparts for