

CALIFORNIA SCIENCE & ENGINEERING FAIR 2018 PROJECT SUMMARY

Name(s)	Project Number
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	38640
Project Title	
A Sticky Situation	
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Abstract	
Objectives/Goals	
The objective of this experiment is to find out which type of liquid is the using a marble as a frame of reference? (I used a mathematical equation	to calculate
Methods/Materials	Concentrate.
Used graduated cylinder to fill up the liquid and then mark 5 cm be pw t	he starting of the liquid and 5 cm
above the boundary as friction can change results. Also used various kau	uids, and one marble to get the
hang time of the liquids.	\sim
From all of the liquids, my hypothesis was accepted as ketches had the h	highest calculated viscosity. By
only looking at the hang times, however, I thought my hypothesis was	mied because honey had a larger
hang time. Conclusions/Discussion	
I can deduce from the experiment that not only did ke thup had the righ	est viscosity, but the certain
I can deduce from the experiment that not only did ke thup had the righ implications for the subject of viscosity. One of the major ones are the d	ensity of the liquid, temperature
(which was one of my controlled variables), and m this case, the marble	s factors. Using this type of
technique, viscosity calculation can help in situations such as medicine, eruption timing.	pipe enficiency, and even voicano
Summary Statement	
In this project, I showed the different variables to viscosity, and how to c	calculate it using many liquids and
determining them by using a marble for the hang time.	
Help Received	
None, I thought of, built, and conducted the full experiment myself.	