

CALIFORNIA STATE SCIENCE FAIR 2014 PROJECT SUMMARY

Name(s)	Project Number
Maxon G. Repass	
Maxon G. Repuss	J1326
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Project Title How Does Viscosity Affect Shock Absorption?	
Abstract	
Objectives/Goals	Papage and D. Shah (tagahar) Portala
HOW VISCOSITY AFFECTS SHOCK ABSORPTION. Max Magnet Center, 18720 Linnet Street, Tarzana, CA 91356.	Repass and D. Shan (leacher) Portora
This study examined the question of how viscous liquids can a	absorb shock.
Methods/Materials	
The study involved using water, syrup, corn syrup, canola oil, examine the velocity of a marble dropped into said liquid, then	
tested 3 times. The liquids were then transferred to small conta	
going as high as needed to until the egg was broken.	
Results	
The results showed that both corn syrup and honey were good the corn syrup was deemed greater, for honey would return an	
dropped.	equal of greater force to the egg being
Conclusions/Discussion	
Viscosity compared with shock absorption acts as a parabola w (corn syrup) and falling with honey and materials of greater vis	
(corn syrup) and ranning with honey and materials of greater via	scosity.
Summary Statement	
This study examined the question of how viscous liquids can a	bsorb shock.
Help Received	
Father helped purchase materials	