CALIFORNIA STATE SCIENCE FAIR 2011 PROJECT SUMMARY

| Name(s) | Project Number |
|--|------------------------------|
| Cobalt I McAvinue | |
| Cobart 5. WRAVING | |
| | 31892 |
| Project Title | 0 |
| Eta Equals F Over A Divided by Delta Vx Over Delta z (aka Viscosity) | |
| | $\sim \sqrt{2}$ |
| Objectives/Goals Abstract | |
| I chose to do a project on viscosity. My question was #Does temperature affect | the viscosity of a liquid?# |
| My hypothesis was that a hot fluid would be less viscous than a cold fluid. | |
| Methods/Materials | meratures: 60 degrees 80 |
| degrees, 110 degrees. I poured each of the liquids at varying temperatures dow liquids movement from line 1 to line 2 on this slope. | n a slope and timed the |
| Results | |
| I found that the flow time of the fluids decreased from cold (a hot proving) by Conclusions/Discussion | hypothesis correct. |
| My Conclusion is that the temperature of a fluid is a factor in determining the | fluids viscosity. The higher |
| the temperature of a fluid the less viscous it is. | |
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| (a, b) | |
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| Summony Statement | |
| This project studies the affects of temperature on a fluids viscosity | |
| This project successive ancees of temperature on a hunds viscosity. | |
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| Help Received | |
| My mon helped to heat the fluids. | |
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