CALIFORNIA STATE SCIENCE FAIR 2002 PROJECT SUMMARY

Name(s)	Project Number
Aiden J. Aceves	
Project Title	22/15
From Ico Cubos to Icoborgs: The Mathematics of Multire Ico	
From ice cubes to icebergs. The Mathematics of Menning ice	
Abstract	
Objectives/Goals	
The objective is to determine how the rate at which a block of ice melts temperature of that water bath. Is the melt rate and water temperature	in it's water bith is related to the
Methods/Materials	anionship findar of exponential?
At regular intervals, I measured the weight of initially identical(in the second secon	shape and weight), frozen blocks
of ice in a range of water temperatures between 32 and 85 degrees Farre	enheit. I measured the ambient air
Results	\searrow
At 32 degrees Fahrenheit the block of ice did not lose weight. The rate of	office weight loss increased
rapidly as the temperature of the water bath was increased. The ambient	air temperature and humidity did
Conclusions/Discussion	
The melting rate of an ice block follows an exponential (non-linear) curves	ve in relationship to the water bath
temperature.	
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Summary Statement	
I determined the relationship between the melt rate of ice and it's water b	oath.
Help Received	
Father helped refine the project goals, record data and choose appropriat	te mathmatical software to help
exipalit results.	