

# Meteor Impact

Project by:  
Cassandra Bazaldua  
Josh Begaye  
Natasha Bevers  
Bryan Martinez  
Alfredo Silva

# Table of Contents

Executive Summary.....	Pg.1
Introduction.....	Pg.2
Project Description.....	Pg.3
Results.....	Pg.4
Conclusion.....	Pg.5

# Executive Summary

The project objective is to find the outcome of temperature differences with a meteor exactly like Meteor Crater, except twenty meters larger. Throughout the project, research is about as far as we got because of our lack of help from mentors and lack of a computer program to use.

# Introduction

Our group's project begins with asking the question: How would general global temperatures be affected if a meteor, consisting of iron-nickel and fifty to seventy meters in diameter, were to hit the Earth. Our project is modeled after Meteor Crater, a crater hitting Earth about 50,000 years ago. Meteor Crater hit in present day Arizona and was estimated to be thirty to fifty meters in diameter, consisted, too, of iron-nickel, and lost no mass upon entering Earth's atmosphere and coming into contact with the ground.

# Project Description

Our first step was to research on past meteor occurrences and study their affects on Earth life. Second, we tried to reach mentors, because our group began to realize we had no hope of figuring out where to go and what to do next. We did contact one, but we didn't get the type of help we had been hoping for. What we had hoped to get as help was an idea on a formula, or even a simple computer program, to kind of give us a push in the right direction.

We as a group did not reach our third goal of actually using a formula or computer program, as we had no program to work with. If we had six more months, we think we could have successfully completed the project, using better communication skills within the group and with mentors.

If we did obtain a program of input and output, the information we would like to enter would be the variables such as meteor size, composition, and global location. The information we would like to receive as output would contain the temperatures differences.

# Results

Having no program, our results are research on Meteor Crater and no mentors or computer programs.

# Conclusions

With our lack of results, we conclude our project as incomplete.