

CALIFORNIA STATE SCIENCE FAIR 2005 PROJECT SUMMARY

Name(s)	Project Number
Shiri Bogomolny	J1003
Project Title How Fibonacci Is Your Face?	1
Abstract	
 Objectives/Goals The greater the numbers are in the Fibonacci sequence, the closer their ratios at Based on that fact, the purpose of the project was to find out if such was true w on the face. This investigation was also completed to see if people known as # proportions than average people. If this was the case, then the divine proportion into plastic and reconstructive surgery in order to improve it. Methods/Materials Twenty males and twenty females of each age group were gathered for testing. years, 16-18 years, and 40-60 years. Ten pictures of actors and ten pictures of Pictures were taken of all the subjects from one meter away, and the following from each picture: the distance from the nose tip to the chin, the distance from length of the lips, and the width of the nose. In order to get the ratios, the distance his was divided by the distance from the lips to the chin, and the length of the width of the nose.	re to the perfect proportion. with the divine proportions beautiful# had better on could be incorporated The age groups were: 5-7 actresses were also tested. measurements were taken the lips to the chin, the nce from the nose tip to the plips was divided by the
Results	
 The Actors had the best proportions out of all. The teenagers had the second of the nose tip-chin/lips to chin and the children had the second closest-to-perfect proportion. Conclusions/Discussion The Fibonacci ratio could improve reconstructive surgery. 	closest-to-perfect ratio for ratio for the lips/ chin
Summary Statement	
The project was done to test at what age the face was closest to having Fibonac actors known as "beautiful" really had better proportions than regular people.	eci proportions, and if

Help Received

Mother helped me choose colors for my display and helped me buy all my display materials; dad helped me with ideas