CALIFORNIA STATE SCIENCE FAIR
2002 PROJECT SUMMARY

Name(s)

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Project Number

J1010

Project Title

Do Leonrado DaVinci's Golden Measurements Remain Constant over One Year's Growth? (A Two Year Study)

Abstract

Objectives/Goals

Objective: The purpose of this project is to determine if Leonardo DaVinci#s Golden Measurements remain constant over one year#s growth.

Methods/Materials

Method and Material: We used a centimeter measuring tape to measure 13 body features of 100 6th graders and 13 body features of 100 8th graders, recording the measurements on a table. Next, we compared the data that we found last year to this year#s data to find out if their measurements remained constant over one year#s growth.

Results

Results: We found out that the 7th /8th grader#s proportions remained more constant over one year#s growth than the 5th /6th grader#s proportions.

Conclusions/Discussion

Conclusion: Our hypothesis was not supported by the results. We predicted that the 5th/6th grader#s proportions would have remained more constant over one year#s growth rather than the 7th/ 8th graders#. Instead, facial features in 5th/6th graders came closer to Leonardo DaVinci#s Golden Measurements rather than the body proportions.

Summary Statement

A comparison of Leonardo DaVinci#s Golden Measurements over a one years# growth in junior high students.

Help Received

We received help from our science teacher, Mr. Steve Duerr. He helped with the design of the experiment and he helped us make our graphs in Microsoft Excel. Also, our language arts teacher, Mrs. Erica Andrews, helped edit our report.