Los Angeles County Science & Engineering Fair JUDGES WORKSHEET **Mathematics and Computers**

For Office Use Only Affix Student Name Label Here

A. Mathematics and Computers Creativity (25 points total)

- 1. The mathematics or computer usage for this project is extended beyond that commonly taught at this grade level.
- 2. The project represents a new point of view or a more in-depth study of a standard topic.
- 3. The mathematical concepts or methods of computer programming are used ingeniously.
- 4. Interpretation of results shows student's creative involvement.
- 5. Student shows understanding of the mathematical or computer science context related to the project.

Mathematics and Computers Creativity Total	
--	--

B. Analytical Methods (30 points total)

- 1. The purpose is clearly and succinctly stated.
- 2. The background theory to support the project is explained.
- 3. All initial conditions are given.
- 4. The conclusions follow logically from the hypothesis or initial conditions.
- 5. The measure of development found in references and the amount of original work is well-defined.
- 6. The project shows depth of study and effort.

Analytical Methods Total	

C. Presentation (20 points total)

- 1. The visuals are clear, clean, neat, and easily understood.
- 2. The written descriptions show correct grammar and spelling.
- 3. Mathematical symbols or computer program readouts are standard or carefully explained.
- 4. Computational or programming methods are completely shown or outlined in detail.

Presentation Total	
--------------------	--

D. Background (25 points total)

- 1. The study is complete within the scope of the problem.
- 2. The appropriate literature has been searched.
- 3. All original calculations or computer programs are available.
- 4. Special mathematical, computational, or programming skills are evident.

5. A well-organized and heat notebook clearly demonstrates the st involvement in all aspects of the project.	udent s	
	Background Total	
	Total Points for Project	
SPECIAL COMMENTS OR CLARIFYING STATEMENTS (USE REVERSE SIDE IF NECESSARY)		

SIGNATURE OF JUDGE DATE SIGNED Form No. 601-077 Rev. 11-08-2002