Number	Entry	Category	Registration Requirements
131-134	**Science**	**Display**	Sign up on student registration form. Submit project info online. Dates on website.

PACKING

All contestants are responsible for the packaging, transporting and proper handling of their competition entries.

DELIVERY

All items must be brought to EXCEL Convention at registration and removed from the premises Friday night after award ceremony.

DISPLAY

Entries must have a typed or neatly printed display card or label securely attached and clearly visible in the following format:

> **Student Name**
> City, State
> Division (Junior/Senior)
> Category (i.e. Oil Painting)

TYPES OF ENTRIES

(131) Collection - classification and display. Examples: rocks, insects, leaves, etc. Man-made objects such as coins, stamps, arrowheads, etc., are not allowed.

(132) Research - Develop a hypothesis, perform an experiment, record results, write your conclusion, and prepare a display to exhibit your work, e.g. the stages of development of a butterfly from a caterpillar.

(133) Engineering - Build electronic equipment, optical devices, solar energy converter, etc., using scientific principles to perform a task. Do not use commercial kits.

(134) Theoretical - An exhibit displaying a discussion of a scientific principle, concept, technique, or theory using charts, graphs, diagrams, photographs, audio-visual, or other visual aids.

CRITERIA

APPROPRIATENESS – Theme of project is in keeping with the purpose of EXCEL Convention.

ORIGINALITY - Creative approach to the project.

SCIENTIFIC THOUGHT - Accuracy of displaying a scientific fact or principle. Consideration is given to probable amount of effort and study that went into the project.

WORKMANSHIP - Quality of the construction of the exhibit including the neatness of labels and descriptions.

THOROUGHNESS - How completely and carefully the project is presented.

CLARITY - How clearly the average person can understand the exhibit.

RULES

Contestant may submit no more than one entry in each exhibit category.

Each entry must be fully completed and ready for exhibition.

Entry must be the work of one contestant in order to qualify. Sponsors may advise but must not build any part of the exhibit. A list shall be submitted identifying any work included in the display that is not the work of the contestant (such as a specially machined component or electronic test equipment).

A paper explaining the scope and purpose of the exhibit and any experiment notebooks and other supporting data should be submitted with the entry and available for the Judges. Photos which include people must adhere to contestant dress standards.

Exhibits must occupy a table or floor area no more than four feet wide or thirty inches deep.

If electrical power is required, 120 volt AC will be available. All switches and cords must be U.L. or C.S.A. approved. The exhibit must be wired in a safe manner.

No entry creating a safety hazard will be allowed. Dangerous chemicals; offensive odors; explosives; open flames; or live animals, reptiles, or insects must not be exhibited. Exhibits requiring running water are not permitted.

Contestant may set up his/her exhibit and then leave the area.

Entries involving computers should have self-booting and menu driven or self-running software.

Contestant is responsible to remove exhibit at end of convention.

HINTS FROM THE SCIENCE JUDGES

The local public library often has books on the subject of science projects or science fairs. These books will give the student many helpful ideas, but the student still must be creative. Labels that are neatly lettered and attached will enhance the project.

Does your display clearly agree with and illustrate what your paper discusses?

Does your project provide useful information or is it only amusing?

Have you given a brief history of the discovery/invention or the hypothesis/facts you are using in your project, how the discovery/invention advanced to today's use, and what (in your opinion) is its future use?

Have you done your very best, using all resources available, to make your display eye-catching and interesting?

On your accompanying paper:
1. Have you stated your purpose, hypothesis, or reason for your project?
2. Did you write down the process or steps used in solving or approving the problem or hypothesis, or illustration on how your project works?
3. Have you written out the conclusion or what has been proven or illustrated?
4. Have you used references and quotes, in your own words, which have expressed what has taken place?
5. Have you given a scriptural application or reference for your project?

JUDGING CRITERIA

AREAS OF EVALUATION	POSSIBLE POINTS
I. Concept	
A. Definite purpose of theme	10
B. Creativity and originality	20
II. Scientific Thought	
A. Accuracy of display	15
B. Total thought and effort	10
C. Usefulness	5
III. Workmanship	
A. Neatness	10
B. Handling of material	5
C. Handling of tools required	5
D. Design of layout	5
IV. Thoroughness	
A. Presentation	5
B. Information	5
V. Display Clarity	5
Total Points	**100**

EXCEL CONVENTION IS NOT RESPONSIBLE FOR LOSS OR DAMAGE TO ANY EXHIBIT.