



Manufacturing Processes Display

(TEAM; DISPLAY)

Name: _____ Level: I or II (*circle one*) School: _____

Name: _____

DESCRIPTION: This event allows students to display skills and activities associated with a student-operated manufacturing organization. Entries must contain two (2) or more parts. All entries must involve a manufactured product with more than one (1) material, combined in such a manner that each material functions efficiently in the application selected for that material. Materials and documentation necessary to explain the experience must accompany the display. (Examples : Production charts and graphs, advertising, packaging, a market analysis, financing, etc.) The products must be mass produced and assembled. The best three (3) of the mass produced run will be entered for judging.

GENERAL RULES AND REGULATIONS:

- _____ 1. Entries may be a maximum of five (5) students.
- _____ 2. A production team class may enter only one (1) manufacturing processes project.
- _____ 3. No kit projects are allowed.
- _____ 4. Each entry must show evidence of market research to include cost/profit and break even points.
- _____ 5. The display must show some aspect of the manufacturing process.

CRITERIA FOR JUDGING:

- _____ 1. Complexity of Display - 10 points
- _____ 2. Planning (Plans, Bill of Materials) - 10 points
- _____ 3. Construction and Assembly instructions - 10 points
- _____ 4. Jigs and Fixtures - 10 points
- _____ 5. Flow Chart - 10 points
- _____ 6. Technical Drawings - 10 points
- _____ 7. Photographic/Video/PowerPoint and/or Documentation - 10 points
Display area will be 4' width on a table top.
- _____ 8. Use of Computers - 10 points
- _____ 9. General Overall Appearance - 10 points
- _____ 10. Samples of completed projects. A minimum of three (3) is required.

ANY RULES AND REGULATION VIOLATION - (UP TO -20 POINTS)

_____ **Point Total**

_____ **Ranking (1st, 2nd, 3rd, 4th)**

AWARDS IN LEVELS I AND II

