

**DIVISION: Technology Education**

**DIVISION: J-17**

**SECTION:**

**Total Division Premium Dollars Offered:**

**\$6,474.00**

**(OSF = \$6,504.00; Sponsors = \$0)**

**Sponsor(s):**

- 1. CENTRAL OHIO TECHNOLOGY EDUCATION ASSOCIATION**
- 2. HEARLIHY AND COMPANY**
- 3. NORTHWESTERN OHIO TECHNOLOGY EDUCATION ASSOCIATION**
- 4. OHIO TECHNOLOGY EDUCATION ASSOCIATION**
- 5. SOUTHWESTERN OHIO TECHNOLOGY EDUCATION ASSOCIATION**
- 6. WILLIS LUMBER COMPANY, Washington C.H.**

**Entry Deadline (no fee):** June 20, 2007

**Late Entry Form Deadline (mailed/postmarked - late fee of \$20):** June 21-30, 2007

**Delivery Date/Time/Location:** July 30, 2007 - 8am-10am Youth Discovery Center

**Judging:** July 30, 2007 - 10:30am

**Building Hours:** August 1-11, 2007 - 9am-8pm  
August 12, 2007 - 9am-6pm

**Leaders:**

- William A. Schindley – Superintendent - 419-946-2071 - [william\\_s@treca.org](mailto:william_s@treca.org)
- Rachael LaFever, Junior Fair Board member

**Division Notes:**

- General Guidelines and Entry Form are located online.
- Calendar
  - Jul 24 4pm Mailed/shipped/delivered exhibits (mailed to Ohio State Fair / Tech. Ed., 717 E. 17<sup>th</sup> Avenue, Columbus, OH 43211-2698) – Graphic Arts, Photography, and Drafting Exhibits
  - Jul 30 8:00am-10:00am Bring set-up booth exhibits to Youth Discovery Center.
  - Jul 30 10:30am Judging begins
  - Aug 1-11 9am-8pm Exhibit hours
  - Aug 12 9am-6pm Exhibit hours
  - Aug 12 6:00pm-10:00pm Pick up exhibits
  - Aug 13 8am-10am Pick up exhibits
- TEACHERS: Please include student's address on entry form, even if tags are to be mailed to you. Use a separate entry form for each student.
- Tags must be completely filled out and firmly attached to your exhibit before delivery.
- Entry is open only to Technology Education students enrolled in Ohio Schools - **No Vocational Schools**. It is not necessary for the individual entry to be a part of the booth display.
- Group entries are not permitted in individual project classes.
- Problem statement project should be entered in technology area. Project must fit in designated area.
- Only projects made in 2006-2007 are eligible.
- A special release ticket will admit exhibitors on grounds to remove exhibits after 9pm on August 13, 2007. This ticket is good only on this date, and can be picked up from the department superintendent when entries are dropped off. If entries are mailed, contact William Schindley for your release ticket prior to the close of the Fair.

**Judging Guidelines:**

- Refer to specific sections.

**DIVISION: Booth Displays**

**DIVISION: J-17**

**SECTION: J-1701**

**Premium Dollars Offered: \$2,400.00**

**Sponsors: Open Opportunity**

**Section Notes:**

- Space is limited to the first 12 schools to enter.
- Booth size: 12'x 8'.
- Pegboard will be provided (for sides and back of the booth).



- To be eligible for an award in the technology classes, exhibitor must: document and display their efforts in research, problem solving, solution testing, etc. Entries should also display: problem statements, drawings, charts, mock-up/prototypes, completed or final project, etc. to enhance the display.
- Individual entries are limited to six square feet and group entries are limited to 16 square feet of display space.

**Judging Guidelines:**

- Design - 25 points
- Utility and Construction - 50 points
- Finish - 25 points
- In a class having only one entry, the judge will grade on merit (the judge may award first, second, third, or no award).

**Class – Individual Entry:**

**Awards**

1. Construction - Displays will represent design and individual structural members of a project (i.e. bridges, trusses, roller coater, etc.). They should evidence of research into a construction technique. Displays are limited to 16 sq. ft. Each presentation should include a problem statement, drawings and a completed model of the “structure” or “researched technique”.....	\$ 5	\$ 4	\$3
2. Manufacturing - Displays should occupy a space no larger than 6 sq. ft. Each presentation should include a problem statement, drawings, forms, flow chart, lab layout, organizational chart, jigs, fixtures, proto-type, finished product, photographs, cost analysis and marketing strategies, or demonstrate a problem solving procedure such as the development of an automated manufacturing system. ....	\$ 5	\$ 4	\$3
3. Energy/Power - Displays are limited to a space no more than 6 square feet and should contain: a problem statement, evidence of research and a completed experiment/project that either converts energy/power or transmits energy/power...	\$ 5	\$ 4	\$3

**Class – Group Entry (two or more students):**

4. Construction - Displays will represent the construction of homes, apartments or commercial buildings or show evidence of research into a construction technique. Displays are limited to an area of 16 sq. ft. Each presentation should include: a problem statement, drawings and a completed model of the “structure” or “researched technique”. ....	\$15	\$10	\$8
5. Manufacturing - Displays should occupy a space no larger than 16 sq. ft. Each presentation should contain: a problem statement, drawings, forms, flow chart, lab layout, organizational chart, jigs, fixtures, proto-type, finished product, photographs, cost analysis and marketing strategies, or demonstrate a problem solving procedure such as the development of an automated manufacturing system.....	\$15	\$10	\$8
6. Energy/Power - Displays are limited to a space no larger than 16 sq. ft. and should contain: a problem statement, evidence of research and a completed experiment/project that either converts energy/power or transmits energy/power...	\$15	\$10	\$8

**OUTSTANDING AWARD ..... Rosette**

<b>DIVISION: Jr. High/Middle School Technology - Grades: 6-8</b>	<b>DIVISION: J-17</b>	<b>SECTION: J-1704</b>
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**Premium Dollars Offered: \$225.00**

**Sponsors: Open Opportunity**

**Section Notes:**

- Class 1-6 displays are limited to a space of 6 sq. ft.
- Class 7-11 displays are limited to a space of 16 sq. ft.

**Judging Guidelines:**

- Design - 25 points
- Utility and Construction - 50 points
- Finish - 25 points

- In a class having only one entry, the judge will grade on merit (the judge may award first, second, third, or no award).

<b>Class – Individual Entry</b>	<b>Awards</b>		
1. Construction - Displays will represent design and individual structural members of a project (bridges, trusses, roller coater, etc.). They should show evidence of research into a construction technique. Each presentation should include a problem statement, drawings and a completed model of the “structure” or “researched technique”.....	\$ 5	\$ 4	\$ 3
2. Manufacturing (wood only) - Each presentation should contain: a problem statement, drawings, forms, flow chart, lab layout, organizational chart, jigs, fixtures, proto-type, finished product, photographs, cost analysis and marketing strategies, or demonstrate a problem solving procedure such as the development of an automated manufacturing system. ....	\$ 5	\$ 4	\$ 3
3. Manufacturing (other material) - Each presentation should contain: a problem statement, drawings, forms, flow chart, lab layout, organizational chart, jigs, fixtures, proto-type, finished product, photographs, cost analysis and marketing strategies, or demonstrate a problem solving procedure such as the development of an automated manufacturing system. ....	\$ 5	\$ 4	\$ 3
4. Energy/Power - Each presentation should contain: a problem statement, evidence of research and a completed experiment/project that either converts energy/power or transmits energy/power. ....	\$ 5	\$ 4	\$ 3
5. Communications – Each presentation should contain: a problem statement, be original work, and demonstrate an effective use of communication technology.....	\$ 5	\$ 4	\$ 3

<b>Class – Group Entry (two or more students)</b>			
6. Construction - Displays will represent the construction of homes, apartments or commercial buildings or show evidence of research into a construction technique. Each presentation should include a problem statement, drawings, and a completed model of the “structure” or “researched technique”.....	\$15	\$10	\$ 8
7. Manufacturing (wood only) - Each presentation should contain a problem statement, drawings, forms, flow chart, lab layout, organizational chart, jigs, fixtures, proto-type, finished product, photographs, cost analysis and marketing strategies, or demonstrate a problem solving procedure such as the development of an automated manufacturing system. ....	\$15	\$10	\$ 8
8. Manufacturing (other material) - Each presentation should contain a problem statement, drawings, forms, flow chart, lab layout, organizational chart, jigs, fixtures, proto-type, finished product, photographs, cost analysis and marketing strategies, or demonstrate a problem solving procedure such as the development of an automated manufacturing system. ....	\$15	\$10	\$ 8
9. Energy/Power - Each presentation should contain a problem statement, evidence of research and a completed experiment/project that either converts energy/power or transmits energy/power. ....	\$15	\$10	\$ 8
10. Communications - Each presentation should contain a problem statement, be original work, and demonstrate an effective use of communication technology. ....	\$15	\$10	\$ 8

**OUTSTANDING AWARD..... Rosette**

<b>DIVISION: Senior High School Wood Grades: 9-12</b>	<b>DIVISION: J-17</b>	<b>SECTION: J-1705</b>
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**Premium Dollars Offered: \$750.00**

**Sponsors:**

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|--|----------------|---|
| <b>1. Willis Lumber Company<br/>Washington Court House</b> | <b>\$25.00</b> | <b>Premium Dollars – Top Point Winner</b> |
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**Section Notes:**

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**Judging Guidelines:**

- Design - 25 points

- Utility and Construction - 50 points
- Finish - 25 points
- In a class having only one entry, the judge will grade on merit (the judge may award first, second, third, or no award).

<b>Class:</b>	<b>Awards</b>		
1. Extra large furniture (over 70" high) .....	\$35	\$25	\$20
2. Large furniture (60"- 69" high).....	\$25	\$20	\$15
3. Medium-large furniture (40"- 59" high).....	\$20	\$15	\$10
4. Medium furniture (25"- 39" high) .....	\$15	\$10	\$8
5. Medium-small furniture (15"- 24" high) .....	\$15	\$10	\$8
6. Small furniture (less than 15" high).....	\$15	\$10	\$8
7. Tables only (less than 25" high).....	\$15	\$10	\$8
8. Wall & Shelf time pieces.....	\$20	\$15	\$10
9. Lathe work (i.e. bowls, candle holders, spiral work, etc.; no time pieces).....	\$15	\$10	\$8
10. Wood project that hangs on the wall.....	\$15	\$10	\$8
11. Lamps.....	\$15	\$10	\$8
12. Hand carving sculpture and/or woodburning .....	\$15	\$10	\$8
13. Wood veneer lamination.....	\$15	\$10	\$8
14. Checkerboard .....	\$15	\$10	\$8
15. Toy (any working model).....	\$15	\$10	\$8
16. Wood project that hangs on the wall (grade 9 only) .....	\$15	\$10	\$8
17. Cutting board (grade 9 only) .....	\$15	\$10	\$8
18. Furniture (over 15" high; grade 9 only).....	\$15	\$10	\$8
19. Miscellaneous wood project (not listed above; less than 8" high) .....	\$15	\$10	\$8

**OUTSTANDING AWARD .....** Rosette

<b>DIVISION: Junior High/Middle School Wood</b>	<b>DIVISION: J-17</b>	<b>SECTION: J-1706</b>
<b>Grades: 6-8</b>		

**Premium Dollars Offered: \$256.00**

**Sponsors:**

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|---------------------------------|----------------|---|
| <b>1. Willis Lumber Company</b> |                |   |
| <b>Washington, Court House</b>  | <b>\$25.00</b> | <b>Premium Dollars – Top Point Winner</b> |

**Section Notes:**

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**Judging Guidelines:**

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<b>Class:</b>	<b>Awards</b>		
1. Furniture (over 15" high) .....	\$15	\$10	\$8
2. Hand carving sculpture and/or woodburning .....	\$15	\$10	\$8
3. Wood project that hangs on wall.....	\$15	\$10	\$8
4. Lamps.....	\$15	\$10	\$8
5. Wood veneer lamination or cutting board .....	\$15	\$10	\$8
6. Toy (any working model).....	\$15	\$10	\$8
7. Miscellaneous wood project (not listed above; less than 15" high) .....	\$15	\$10	\$8

**OUTSTANDING AWARD .....** Rosette

<b>DIVISION: Metal - All Grades</b>	<b>DIVISION: J-17</b>	<b>SECTION: J-1707</b>
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**Premium Dollars Offered: \$330.00**

**Sponsors: Open Opportunity**

**Section Notes:**

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**Judging Guidelines:**

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**Class:**

		<b>Awards</b>	
1. Wrought iron project (i.e. wall sconce, lamps, tables, etc.; 1/8" band/angle iron) ...	\$15	\$10	\$8
2. Small wrought iron project (Kosy Creation Idea; 16 or 18 gauge sheet metal).....	\$15	\$10	\$8
3. Art metal (metal spinning, etching; no welding projects or copper tooling).....	\$15	\$10	\$8
4. Foundry/forging .....	\$15	\$10	\$8
5. Welding (over 50" of actual welds) .....	\$15	\$10	\$8
6. Welding (25" - 50" of actual welds) .....	\$15	\$10	\$8
7. Welding (less than 25" of actual welds) .....	\$15	\$10	\$8
8. Machining hand tools .....	\$15	\$10	\$8
9. Sheet metal (any hinged box).....	\$15	\$10	\$8
10. Sheet metal (any not hinged).....	\$15	\$10	\$8

**OUTSTANDING AWARD** ..... Rosette

<b>DIVISION: Industrial Crafts – All Grades</b>	<b>DIVISION: J-17</b>	<b>SECTION: J-1708</b>
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**Premium Dollars Offered: \$240.00**

**Sponsors: Open Opportunity**

**Section Notes:**

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**Judging Guidelines:**

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**Class:**

		<b>Awards</b>	
1. Leather tooling & carving .....	\$10	\$8	\$6
2. Industrial plastic process (vacuum forming) .....	\$10	\$8	\$6
3. Industrial plastic process (injection molding and compression molding).....	\$10	\$8	\$6
4. Industrial plastic process (expanded beads, foam, and plastisol) .....	\$10	\$8	\$6
5. Plastics – plexiglass projects made by heating, bending and forming .....	\$10	\$8	\$6
6. Plastics – plexiglass projects made by cutting and/or fastening (no manufactured preformed kits).....	\$10	\$8	\$6
7. Plastics or glass (i.e. carving, engraving, etching, etc.) .....	\$10	\$8	\$6
8. Copper tooling .....	\$10	\$8	\$6
9. Ceramic.....	\$10	\$8	\$6
10. Any other craft (not listed above; metal or woods may be used only as an intricate part of the project).....	\$10	\$8	\$6

**OUTSTANDING AWARD** ..... Rosette

<b>DIVISION: Energy/Power – All Grades</b>	<b>DIVISION: J-17</b>	<b>SECTION: J-1709</b>
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**Premium Dollars Offered: \$ 264.00**

**Sponsors: Open Opportunity**

**Section Notes:**

- Submit manual with kit and schematic drawing with all other electrical projects.
- Electrical projects and kits must be open for judging.

**Judging Guidelines:**

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<b>Class:</b>	<b>Awards</b>		
1. Electronic kit project (printed circuit or wired direct – constructed entirely with kit-supplied materials and instruction).....	\$15	\$10	\$8
2. Individually designed electronic project (printed circuit or wired directly using breadboard construction or soldered terminals; no kits).....	\$15	\$10	\$8
3. Residential wiring project (wiring panel, branch circuit examples).....	\$ 8	\$ 6	\$4
4. Miscellaneous electrical project (motors, electromagnetic, not listed above; no kits).....	\$ 8	\$ 6	\$4
5. Solar energy (any working model or project).....	\$ 8	\$ 6	\$4
6. Aerospace/wind energy (any working model or project).....	\$ 8	\$ 6	\$4
7. Magnetic levitation (any working model or project).....	\$ 8	\$ 6	\$4
8. Model rockets (any working model or kit).....	\$ 8	\$ 6	\$4
9. CO <sub>2</sub> cars (any working model; grades 9-12 external wheels).....	\$ 8	\$ 6	\$4
10. CO <sub>2</sub> cars (any working model; grades 6-8 external wheels).....	\$ 8	\$ 6	\$4
11. CO <sub>2</sub> cars (any working model; internal wheels).....	\$ 8	\$ 6	\$4
12. CO <sub>2</sub> cars (any working model; combination internal/external wheels).....	\$ 8	\$ 6	\$4
13. Fluid power (hydraulic or pneumatic; any working model or project).....	\$ 8	\$ 6	\$4
<b>OUTSTANDING AWARD .....</b>	<b>Rosette</b>		

<b>DIVISION: Senior High School Graphic Arts</b>	<b>DIVISION: J-17</b>	<b>SECTION: J-1710</b>
<b>Grades: 9-12</b>		

**Premium Dollars Offered: \$180.00**

**Sponsors: Open Opportunity**

**Section Notes:**

- The size paper used, for all problems, is left to the judgment of the exhibitor.
- Exhibits must be mounted on poster board to best display the printing project.
- One entry class per mounting; however, more than one student’s work may be included.
- All glass/mirror projects must be mounted on rigid board or framed.
- Instructors are responsible for arranging all entries in numerical order by classes for judging.

**Judging Guidelines:**

- Design (including compositions, selection of stock, style and arrangement) – 65 points.
- Workmanship – 25 points.
- Mounting – 10 points.

<b>Class – Letter Press Printing:</b>	<b>Awards</b>		
1. Any letter press printing.....	\$5	\$4	\$3
<b>Class – Offset Printing:</b>			
2. Any offset printing (single color).....	\$5	\$4	\$3
3. Any offset printing (multi-color).....	\$5	\$4	\$3
4. Any other offset printing of merit.....	\$5	\$4	\$3
<b>Class – Screen Printing</b>			
5. Any photo process screen print on textile (single color).....	\$5	\$4	\$3
6. Any photo process screen print on textile (multi-color).....	\$5	\$4	\$3
7. Any photo process screen print on material not listed (single color).....	\$5	\$4	\$3
8. Any photo process screen print on material not listed (multi-color).....	\$5	\$4	\$3
9. Any thermal process screen print on textile (single color).....	\$5	\$4	\$3
10. Any thermal process screen print on textile (multi-color).....	\$5	\$4	\$3
11. Any thermal process screen print on other material not listed.....	\$5	\$4	\$3
12. Any airbrush process on textile (single color).....	\$5	\$4	\$3
13. Any airbrush process on textile (multi-color).....	\$5	\$4	\$3
14. Any airbrush process on other media not listed (single color).....	\$5	\$4	\$3
15. Any airbrush process on other media not listed (multi-color).....	\$5	\$4	\$3

**OUTSTANDING AWARD .....** **Rosette**

**Premium Dollars Offered: \$120.00**

**Sponsors: Open Opportunity**

**Section Notes:**

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**Judging Guidelines:**

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<b>Class – Printing Processes:</b>	<b>Awards</b>	
1. Any letter press or offset printing .....	\$5	\$4 \$3
<b>Class – Screen Printing:</b>		
2. Any photo process screen print .....	\$5	\$4 \$3
3. Any thermal process screen print on textile (single color) .....	\$5	\$4 \$3
4. Any thermal process screen print on textile (multi-color) .....	\$5	\$4 \$3
5. Any thermal process screen print on material not listed (single color) .....	\$5	\$4 \$3
6. Any thermal process screen print on material not listed (multi-color) .....	\$5	\$4 \$3
7. Any airbrush process on textile (single color) .....	\$5	\$4 \$3
8. Any airbrush process on textile (multi-color) .....	\$5	\$4 \$3
9. Any airbrush process on media not listed (single color) .....	\$5	\$4 \$3
10. Any airbrush process on media not listed (multi-color) .....	\$5	\$4 \$3

**OUTSTANDING AWARD ..... Rosette**

**Premium Dollars Offered: \$72.00**

**Sponsors: Open Opportunity**

**Section Notes:**

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**Judging Guidelines:**

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<b>Class:</b>	<b>Awards</b>	
1. Any computer generated graphics smaller than 5”x 7” (single page; no CAD drawings) .....	\$5	\$4 \$3
2. Any computer generated graphics larger than 5”x 7” (single page; no CAD drawings) .....	\$5	\$4 \$3
3. Any computer generated graphics larger than 5”x 7” (multi-page; no CAD drawings) .....	\$5	\$4 \$3
4. Audio/video productions .....	\$5	\$4 \$3
5. Sponsors sign (see page 2 for complete sponsor list; can be CAD generated; maximum size 12”x 18”) .....	\$5	\$4 \$3
6. Any other student generated graphic/electronic communication (not listed; no CAD drawings) .....	\$5	\$4 \$3

**OUTSTANDING AWARD ..... Rosette**

**Premium Dollars Offered: \$180.00**

**Sponsors: Open Opportunity**

**Section Notes:**

- In all problems, the size of prints must be no less than 5"x 7". However, all pictures must be mounted or framed so that it will best display the photo.
- The entrant must take photos.
- Only photos/prints taken during 2006/2007 are eligible.
- Instructors are responsible for arranging all entries in numerical order by classes for judging.
- Photography material must be matted or framed and ready to hang (hanging materials must be securely attached, otherwise material will be stapled to the display area).
- Judge(s) will not award for entries considered unworthy of a prize.
- Judge(s) decisions are final.

**Judging Guidelines:**

- How well the picture carries out the represented idea.
- Interest or appeal.
- Pictorial qualities.
- Architectural merits.
- Originality.
- Photographic quality.

**Class – B/W Prints:**

	<b>Awards</b>		
1. Portrait/figure (people or animals only).....	\$5	\$4	\$3
2. Landscape.....	\$5	\$4	\$3
3. Texture.....	\$5	\$4	\$3
4. Still life (inanimate objects only).....	\$5	\$4	\$3
5. Snow/night scenes .....	\$5	\$4	\$3
6. Action.....	\$5	\$4	\$3
7. Mood.....	\$5	\$4	\$3
8. Toned print.....	\$5	\$4	\$3

**Class - Special Techniques (b/w or color prints):**

9. Multiple Exposure (2 or more exposures on one print) .....	\$5	\$4	\$3
10. Screened Print (print through textured material).....	\$5	\$4	\$3
11. Photogram (print made directly on paper without negative.....	\$5	\$4	\$3
12. Macro Photography (close up).....	\$5	\$4	\$3
13. Photo Montage (collage of photo images).....	\$5	\$4	\$3
14. High Contrast (print with no middle gray tones).....	\$5	\$4	\$3
15. Miscellaneous photography process not listed above .....	\$5	\$4	\$3

**OUTSTANDING AWARD .....** Rosette

**DIVISION: Special Award  
J1710-J1713**

**DIVISION: J-17**

**SECTION: J-1714**

**Premium Dollars Offered: \$40.00**

**Sponsors: Open Opportunity**

**Section Notes:**

- Entry is not required for this section.

**Judging Guidelines:**

- 1<sup>st</sup> premium = 6 points
- 2<sup>nd</sup> premium = 3 points
- 3<sup>rd</sup> premium = 1 point

**Class:**

	<b>Awards</b>	
1. Most points goes to the instructor/school; if more than one school is represented in above stated sections, and a tie occurs, monies will be prorated).....	\$25	\$15

**Premium Dollars Offered: \$729.00**

**Sponsors: Open Opportunity**

**Section Notes:**

- Student must use standard drafting practices.
- Drawings must have a border, title block on standard A, B, C, D, or E size drawing paper.
- In problems where the views are not specifically indicated, the student should make such views, as the particular problem requires.
- The paper size used, in all problems scaled accordingly, is left to the judgment of the exhibitor.
- Drawings must be mounted on poster board to best display the standard size drawing.
- Instructors are responsible for arranging entries in numerical order by classes for judging.
- Students may submit for exhibition either his original drawing or a tracing thereof.
- When the class calls for tracing, the tracing shall be mounted directly over the original drawing as though on the drawing board.
- Where a scale is used, the same should be indicated. An original design problem may be entered in any class calling for a reproduction drawing, but a reproduction cannot be entered in an original design class.
- Instructors and exhibitors are responsible for proper classification of entries; Fair management will not attempt to reclassify an entry.
- Judges reserve the right to refuse a drawing entered out of its proper class, and/or not meeting other qualifications.
- The architectural or machine drawings may use a LeRoy or other guide for lettering drawings and title block. Entries in these groups completed in freehand lettering will be considered more when judged.
- There is a limit of four entries in each class per school.
- Only student hand-generated drawings qualify for classification in the Group I through Group III categories.
- Partial or totally CAD generated drawings may only be entered in the Group IV categories.

**Judging Guidelines:**

**Class – Group I Architectural:**

		<b>Awards</b>		
1. Model home to scale (foam board or other material showing individual structural members), including a complete set of plans (original or copied).....	\$20	\$15	\$10	\$10
2. Composition of a small public building (drawing to present a floor plan, front and side elevation, lot layout and a pictorial rendering) for a one or two-story building (i.e. library, museum, town hall, bank, club room, school, etc.). Design may be any style of architecture but must incorporate the student’s own thinking and planning.....	\$10	\$ 8	\$ 6	\$ 6
3. Composition of one-floor or two-floor house (drawing to present a front and side elevation, lot layout and a pictorial rendering). Design may be any style of architecture, but must incorporate the student’s own thinking and planning.....	\$10	\$ 8	\$ 6	\$ 6
4. Working drawing of a one-floor house – dimensioned (including a floor plan, elevations, foundation plan, and a pictorial rendering), and various details of the building (i.e. wall section, sill, parapet, materials of construction, etc.).....	\$10	\$ 8	\$ 6	\$ 6
5. Working drawing of a two-floor house – dimensioned (including floor plan, elevations, foundation plan, and a pictorial rendering), and various details of the building (i.e. wall section, sill, parapet, materials of construction, etc.).....	\$10	\$ 8	\$ 6	\$ 6
6. Architectural Feature – pencil or ink (cross-section working drawing with dimensions of a fireplace, stairway, or entrance).....	\$ 5	\$ 4	\$ 3	\$ 3
7. Working drawings of a plot plan – pencil or ink (landscape planning of a city lot, country lot, golf course, etc., with plantings designated by symbol and name.....)	\$ 5	\$ 4	\$ 3	\$ 3
8. An architectural exterior – pencil, ink, or color (elevation or pictorial representation) .....	\$ 5	\$ 4	\$ 3	\$ 3
9. An architectural interior – pencil, ink, or color (elevation or pictorial representation) .....	\$ 5	\$ 4	\$ 3	\$ 3
10. Any other architectural drawing - pencil, ink, or color. (i.e. patio, nooting tool or storage shed gazebo etc.)	\$ 5	\$ 4	\$ 3	\$ 3

11. Any other drawing of merit not listed.....	\$ 5	\$ 4	\$ 3
<b>Class – Group II Metal or Machine Drawing:</b>		<b>Awards</b>	
12. General assembly drawing – pencil or ink (multiple parts put together and identified; no pictorial; one-two views; complete machine – no section or dimension.....	\$ 5	\$ 4	\$ 3
13. Detail assembly drawing – pencil or ink (dimensioned with parts identified; no pictorial; two or more views; complete machine; no section).....	\$ 5	\$ 4	\$ 3
14. General assembly drawing – pencil or ink (parts identified w/o dimensions; no pictorial with section; two or more views; complete machine).....	\$ 5	\$ 4	\$ 3
15. Detail assembly – pencil or ink (parts identified with dimensions; no pictorial; complete machine; two or more views, section).....	\$ 5	\$ 4	\$ 3
16. Assembly drawing in pictorial representation – pencil or ink (parts identified w/o dimensions; complete machine; with or without section).....	\$ 5	\$ 4	\$ 3
17. Details - pencil (individual parts only, not assembled with section; representative machine part or parts dimensioned).....	\$ 5	\$ 4	\$ 3
18. Details – pencil (without section; representative machine part or parts dimensioned).....	\$ 5	\$ 4	\$ 3
19. Sheet metal layout with development of all surfaces – pencil (any object).....	\$ 5	\$ 4	\$ 3
20. Sheet metal layout with development of multiple parts - pencil or ink.....	\$ 5	\$ 4	\$ 3
21. Two view gear or cam drawing – pencil or ink (spur and pinion or bevel gear drawing; cam drawing must include displacement diagram).....	\$ 5	\$ 4	\$ 3
22. Any other drawing of merit not listed above.....	\$ 5	\$ 4	\$ 3
<b>Class – Group III Miscellaneous:</b>		<b>Awards</b>	
23. Working drawing using metrics – pencil or ink (dimensions must be in metrics)....	\$ 5	\$ 4	\$ 3
24. A working drawing – pencil or ink (a custom or mass production project properly dimensioned).....	\$ 5	\$ 4	\$ 3
25. Economic or sociological graph - pencil, ink, or color.....	\$ 5	\$ 4	\$ 3
26. Orthographic projection ( <b>grade 9 only</b> ) - pencil or ink (one piece object; two or more views; problem must have center and hidden lines; properly dimensioned) ...	\$ 5	\$ 4	\$ 3
27. Pictorial representation in perspective ( <b>grade 9 only</b> ) – pencil or ink (any objective except architectural).....	\$ 5	\$ 4	\$ 3
28. Pictorial representation in oblique ( <b>grade 9 only</b> ) – pencil or ink (any objective except architectural).....	\$ 5	\$ 4	\$ 3
29. Pictorial representation in isometric (grade 9 only) – pencil or ink (any objective except architectural).....	\$ 5	\$ 4	\$ 3
30. Auxiliary view or rotation problem - pencil or ink.....	\$ 5	\$ 4	\$ 3
31. A minimum of three different threaded fasteners – pencil or ink (including elevation and end views, and students choice of bolt, i.e. capscrew, machine screw, etc.).....	\$ 5	\$ 4	\$ 3
32. Pictorial exploded assembly - pencil, ink, or color.....	\$ 5	\$ 4	\$ 3
33. An electrical or electronic schematic – pencil, ink, or color (components must be identified).....	\$ 5	\$ 4	\$ 3
34. Elevation or pictorial view – colored or b/w shading (some means of transportation – i.e. automobile, plane, monorail car, etc.).....	\$ 5	\$ 4	\$ 3
35. Any other drawing of merit not listed above.....	\$ 5	\$ 4	\$ 3
<b>Class – Group IV CAD:</b>		<b>Awards</b>	
36. Composition of a small public building (drawing to present a floor plan, front and side elevation, lot layout, and a pictorial rendering for a one or two-story building, i.e. library, museum, town hall, bank, club room, school, etc.). Design may be any style of architecture, but must incorporate the student’s own thinking and planning.....	\$10	\$ 8	\$ 6
37. Working drawing of a one-floor house or small public building (to include floor plan, elevations, foundation plan, and/or pictorial rendering and various details of the building, i.e. wall section, sill, parapet, materials of construction, etc.).....	\$10	\$ 8	\$ 6
38. Working drawing of a two-floor house (to include floor plan, elevations, foundation plan, and a pictorial rendering and various details of the building, i.e. wall section, sill, parapet, materials of construction, etc.).....	\$10	\$ 8	\$ 6
39. Architectural Feature (principle dimensions placed) – working drawing of a fireplace, stairway, or an entrance.....	\$ 5	\$ 4	\$ 3
40. An architectural exterior - elevation or pictorial representation.....	\$ 5	\$ 4	\$ 3

41. General assembly drawing (multiple parts put together and identified; no pictorial; one-two views; complete machine assembled, with or without section, with or without dimensions).....	\$ 5	\$ 4	\$ 3
42. Detail assembly drawing (no pictorial with or without section; dimensioned; two or more views complete machine) .....	\$ 5	\$ 4	\$ 3
43. Details with section (all dimensions placed; individual parts only; not assembled; representative machine part or parts dimensioned).....	\$ 5	\$ 4	\$ 3
44. Details without section (all dimensions placed; representative machine part or parts dimensioned).....	\$ 5	\$ 4	\$ 3
45. Two view gear or cam drawing (spur and pinion or bevel gear drawing; cam drawing must include displacement diagram).....	\$ 5	\$ 4	\$ 3
46. Economic or sociological graph.....	\$ 5	\$ 4	\$ 3
47. Any pictorial drawing detail or assembly (no architectural).....	\$ 5	\$ 4	\$ 3
48. Pictorial exploded assembly.....	\$ 5	\$ 4	\$ 3
49. Auxiliary view or rotation problem .....	\$ 5	\$ 4	\$ 3
50. An electrical or electronic schematic (components must be identified).....	\$ 5	\$ 4	\$ 3
51. Any other drawing of merit, not listed above.....	\$ 5	\$ 4	\$ 3

<b>DIVISION: Special Award</b> <b>J1715 – Classes 1-51</b>	<b>DIVISION: J-17</b>	<b>SECTION: J-1716</b>
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**Premium Dollars Offered: \$40.00**

**Sponsors: Open Opportunity**

**Section Notes:**

- Entry is not required for this section.

**Judging Guidelines:**

- 1<sup>st</sup> premium = 6 points
- 2<sup>nd</sup> premium = 3 points
- 3<sup>rd</sup> premium = 1 point

**Class:**

- |  |      |      |
|--|------|------|
| 1. Most points goes to the instructor/school; if more than one school is represented in above stated sections, and a tie occurs, monies will be prorated)..... | \$25 | \$15 |
|--|------|------|

**Awards**

<b>DIVISION: Junior High/Middle School</b> <b>Drafting – Grades: 6-8</b>	<b>DIVISION: J-17</b>	<b>SECTION: J-1717</b>
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**Premium Dollars Offered: \$228.00**

**Sponsors: Open Opportunity**

**Section Notes:**

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**Judging Guidelines:**

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**Class:**

- |   |     |     |     |
|---|-----|-----|-----|
| 1. Drawing using metrics – pencil or ink (properly dimensioned) .....       | \$5 | \$4 | \$3 |
| 2. Sketching problem - free hand sketch (no tracings).....                  | \$5 | \$4 | \$3 |
| 3. Orthographic projection problem – pencil (two-three views).....          | \$5 | \$4 | \$3 |
| 4. Pictorial representation in isometric – pencil (no architectural).....   | \$5 | \$4 | \$3 |
| 5. Pictorial representation in oblique – pencil (no architectural).....     | \$5 | \$4 | \$3 |
| 6. Pictorial representation in perspective – pencil (no architectural)..... | \$5 | \$4 | \$3 |
| 7. Auxiliary problem - pencil .....   | \$5 | \$4 | \$3 |
| 8. Geometric problem - pencil.....  | \$5 | \$4 | \$3 |
| 9. Sheet metal layout – pencil (with development of all sides) .....        | \$5 | \$4 | \$3 |
| 10. Electrical or electronic schematic - pencil.....                        | \$5 | \$4 | \$3 |

**Awards**

11. Economic or sociological Graph - pencil .....	\$5	\$4	\$3
12. Simple machine part – pencil or ink (reproduction showing two-three views or portion of any machine or machine tool).....	\$5	\$4	\$3
13. Working drawing of a one-floor house – pencil (include floor plan, plot plan, and elevations).....	\$5	\$4	\$3
14. Working drawing of a two-floor house – pencil (include floor plan, plot plan, and elevations).....	\$5	\$4	\$3
15. Section view of some problem – pencil or ink (show a full section or half section with the cutting plane line in the proper view) .....	\$5	\$4	\$3
16. CAD (printer or plotter drawing).....	\$5	\$4	\$3
17. Any other drawing of merit – pencil or ink (original design or reproduction not listed above; student’s choice of view).....	\$5	\$4	\$3
18. One-floor model home constructed to scale (foam board material only; complete set of plans; either original or copied) .....	\$5	\$4	\$3
19. Two-floor model home constructed to scale (foam board material only; complete set of plans; either original or copied).....	\$5	\$4	\$3

**DIVISION: Special Award  
J-1717 – Classes 1-19**

**DIVISION: J-17**

**SECTION: J-1718**

**Premium Dollars Offered: \$40.00**

**Sponsors: Open Opportunity**

**Section Notes:**

- Entry is not required for this section.

**Judging Guidelines:**

- 1<sup>st</sup> premium = 6 points
- 2<sup>nd</sup> premium = 3 points
- 3<sup>rd</sup> premium = 1 point

**Class:**

1. Most points goes to the instructor/school; if more than one school is represented in above stated sections, and a tie occurs, monies will be prorated).....

**Awards**

\$25    \$15

**DIVISION: Outstanding Achievement  
J-1715-J-1717**

**DIVISION: J-17**

**SECTION: J-1719**

**Premium Dollars Offered: \$45.00**

**Sponsors: Open Opportunity**

**Section Notes:**

- Entry is not required for this section.
- Model houses are not included.
- Open to blue ribbon winners indicated above.

**Judging Guidelines:**

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**Class:**

1. Outstanding Junior and Senior Drafting Projects.....

**Awards**

\$20    \$15    \$10

**JUNIOR OUTSTANDING AWARD ..... Rosette**

**SENIOR OUTSTANDING AWARD ..... Rosette**