

## 2010 OTEA School Exhibits Information

Greetings fellow Technology teachers:

I hope you are having an exciting and rewarding year. I also hope you are planning for the OTEA Conference and the student exhibits portion of the conference.

### Guidelines

1. Each teacher submitting student work for display must hold a current membership in the OTEA and be registered for the spring OTEA Conference **PRIOR TO SUBMITTING SCHOOL EXHIBITS APPLICATION.**
2. It is recommended that instructors screen student entries to best represent their school's technology programs. **It is up to the exhibitor to best document the method and/or process of development of the exhibited project.**
3. Instructors needing electricity for their displays are responsible to **bring their own extension cords.**
4. Enter your technology student's work, **completed from date following 2009 conference to the 2010 conference,** in the student exhibits portion of the conference by filling out the registration form, and **clearly mark student name, grade, school, at least 1 OTACS standard and benchmark as well as ONLY one appropriate sub-category on each exhibit card.** *A decision has been reached by the Executive Committee that any project whose exhibit card not thoroughly filled out will not be judged.*
5. Please note that instructors and exhibitors are responsible for the proper classification of entries: the OTEA, school exhibits mgr., or judges will in no case attempt to reclassify an entry. The judges reserve the right to refuse to judge an entry entered out of its proper class, exhibit tag not correctly filled out, or not meeting other qualifications.
6. Only student hand-generated drawings and graphics qualify for classification in the **Graphic Arts** category. Partial or totally CAD generated drawings may only be entered in the **Computer Generated Technology** category.
7. Note – to facilitate judging we are going to attempt to provide a count of actual projects in each category per school to each judge to help make sure projects are not skipped over during judging. **Therefore within this packet, along with guidelines, procedures, and exhibit tags, a project count sheet is included to be completed with exact actual number of projects exhibited. This form is to be EMAILED ([orvl\\_peters@tccsa.net](mailto:orvl_peters@tccsa.net)), or FAXED (330-682-1099) to the school exhibits manager before Wed. April 7 by 7pm. Judging forms will be generated from those actual exhibit count sheets prior to judging.**

### JUDGING

Judges are required in all technology areas in recognizing the outstanding achievements of our students. **All exhibitors are required to judge.** There will be a **mandatory exhibitor meeting at 5:45 p.m. Friday** at the school exhibits table to begin judging. Judging will take place on Friday evening from 5:45 p.m. to 7:00 p.m. College students are welcomed and encouraged to assist and will be paired with exhibitor judges.

### Dates and Times to Remember

#### Friday, April 9, 2010

12:00 p.m. to 5:30 p.m.	Student Exhibits Setup (area ours 8am-11pm, table setup 9-12 noon)
5:45 p.m.	Mandatory Exhibitor Meeting in School Exhibits Area
5:45 p.m. to 7:00 p.m.	Student Exhibits Judging (Please be prompt)

#### Saturday, April 10, 2010

8:00 a.m. to 3:00 p.m.	School Exhibits Open
3:30 p.m. to 5:00 p.m.	Awards Program (OTEA Business Meeting)
5:00 p.m.	Tear-down of School Exhibits

## TECHNOLOGY CATEGORIES

CONSTRUCTION/ARCHITECTURE: 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 8 square feet. Each presentation should include: a problem statement, drawings, timeline for construction activity, list of materials needed for activity, cost of materials for activity, list of component parts, report of conclusions on activity.

**Documentation of the development of the activity and/or a complete model of the “structure” or “research technique” must also be on display.**

MANUFACTURING – MASS PRODUCTION: displays should occupy a space no larger than 8 square feet. Each presentation should contain: a problem statement, drawings, forms, flow charts, lab layout, organizational chart, jigs, fixtures, cost analysis, and marketing strategies. **A prototype unit and/or finished product and documentation, and/or photographs of the development of the system illustrating the problem-solving procedure such as the development of an automated manufacturing system must also be on display.**

MANUFACTURING – MATERIALS & PROCESSES: displays should occupy a space no larger than 8 square feet. Each presentation should contain: drawings and/or proper forms and a finished product designed of industrial materials.

**Documentation of the development of the activity and/or “research technique” must also be on display.**

ENERGY/POWER/TRANSPORTATION: displays are limited to a space no larger than 8 square feet and should contain a problem statement, evidence of research, timeline for construction of activity, list of materials needed for activity, list of component parts, and a report of conclusions on the activity. **Documentation of the development of the activity and/or a completed experiment/project that either converts energy/power or transmits energy/power must also accompany project display.**

GRAPHIC ARTS: displays are limited to a space no larger than 8 square feet and should contain: a problem statement, timeline for construction of activity, list of materials needed for activity, list of component parts, and a report of the conclusions of the activity. **Documentation of the development of the activity and/or the original work should demonstrate an effective use of communication technology must also be on display.**

COMPUTER GENERATED TECHNOLOGY: displays are limited to a space no larger than 8 square feet and should contain: a problem statement, timeline for construction of activity, list of materials needed for activity, list of component parts, and a report of the conclusions of the activity. The development of the activity and/or the original work should demonstrate an effective use of communication technology through the aid of a computer in whole or in part. Any project completed totally or in part through the use of a computer for the primary method of completion of the project should be entered in this category. (i.e. digital photographs, desktop publishing, CAD) **NOTICE:** A project that was completed through a methodology such as manufacturing, where support materials were documented using a computer, should be entered in the manufacturing category. **Documentation of the development of the activity and/or the original work should demonstrate an effective use of computer/software technology must also be on display.**

BIO-RELATED TECHNOLOGY: displays are limited to a space no larger than 8 square feet and should contain: a problem statement, timeline for construction of activity, list of materials needed for activity, cost of materials for activity, list of component parts and a report of the conclusions of the activity. **Documentation of the development of the activity and/or original work should demonstrate an effective use of Bio-related Technology and must also be on display.**

ENGINEERING – MISC.: displays are limited to a space no larger than 8 square feet and should contain a problem statement, evidence of research, timeline for fabrication of activity, list of materials needed for activity, list of component parts, and a report of conclusions on the activity. **Documentation of the development of the activity and/or a complete model of the “apparatus” or “research technique” must also be on display.**

## TECHNOLOGY DIVISION JUDGING

Technology exhibitors may have an information student present with the display during the first half of judging. The information student is to answer judges' questions only. No lobbying will be permitted.

**Entries will be judged using the following criteria:**

- Overall appearance of display.
- Inclusion/Completion of project exhibit card.
- Quality/Complexity of project or product.
- Creative problem solving.
- Documentation to support process of development/research/learning.

## TECHNOLOGY CATEGORY AWARDS

### MANUFACTURING– Materials & Processes

- Best-of-Show**
- Runner-Up Best-of-Show**
- Wood
- Plastics / Polymers
- Metals
- Misc.

### MANUFACTURING– Mass Production

- Best-of-Show**
- Runner-Up Best-of-Show**
- Wood
- Other Materials

### GRAPHIC ARTS

- Best-of-Show**
- Runner-Up Best-of-Show**
- Technical Drawing (non computer)
- Visual Processes (manual)
- Photography

### COMPUTER GENERATED TECHNOLOGY

- Best-of-Show**
- Runner-Up Best-of-Show**
- CAD (Computer Aided Drawing)
- Multimedia
- Audio / Video Production
- Visual Graphics

### CONSTRUCTION / ARCHITECTURE

- Best-of-Show**
- Runner-Up Best-of-Show**
- Design / Drawing
- Structures
- Electrical
- Plumbing

### ENERGY / POWER/ TRANSPORTATION (REVISED!)

- Best-of-Show**
- Runner-Up Best-of-Show**
- Mechanical (gears/pulleys/cams/etc.)
- Fluidics (hydraulics /pneumatics/gases/etc.)
- Electronics
- Alternative Energy (wind/solar/geo/hydro/etc.)

### BIO-RELATED TECHNOLOGY

- Best-of-Show**
- Runner-Up Best-of-Show**

### ENGINEERING – Misc. (NEW!)

- Best-of-Show**
- Runner-Up Best-of-Show**
- Robotics
- Invention/Innovation
- Reverse/Analysis/Testing

## JUDGING PROCEDURES

1<sup>st</sup> and 2<sup>nd</sup> place ribbon awards will be given in each level and sub-category. The 1<sup>st</sup> place awards of each sub-level and category will be judged to determine the Best-of-Show and Runner-up plaques in each level's main category. The Best-of-Show award in each main category will be judged for the honor of the Zupancic Award. Ribbons of Merit will be awarded to approximately 60% of student entries (placed by the judges). Certificates will be presented to all participating students. At 5:45pm Friday, all judges are to meet in the school exhibits area for introductory remarks and to pick up judging forms and participation ribbons.

Judges will document award choices of each sub-category on the judging sheets provided. After all judging sheets have been completed and returned to the school exhibits manager, ***the school exhibits manager will then place 1<sup>st</sup> and 2<sup>nd</sup> place ribbons as well as Best-of-Show placards (the next morning).*** Plaques will be awarded at the OTEA business meeting.

Entries will be judged by the following criteria: excellence of design and craftsmanship. The design should be creative, functional and aesthetically pleasing. The craftsmanship should show quality performances in layout, development, construction and finish. Achievements should reflect a degree of challenge for the student's grade level.

## EXHIBITOR AGE LEVEL CATEGORIES

**Senior High** level entries will include grades: **9-12**.

**Jr. High / Middle School** level entries include grades: **6-8**.

**Elementary** level entries include grades: **K-5(6)**.

If an instructor teaches in a Middle school setting that includes 6<sup>th</sup> grade – those 6<sup>th</sup> grade student project entries will fall under *Middle Grades*. If an instructor teaches in an Elementary school setting that includes 6<sup>th</sup> grade – those 6<sup>th</sup> grade student project entries will fall under the *Elementary School level*.

**9<sup>th</sup> Grade student project entries will always fall under Senior High level** even if they are completed in a *Middle School* environment including the 9<sup>th</sup> grade class.

## OVERALL AWARDS

Awards (judged by the Past-Presidents) will be given for *Outstanding Technology Display* as well as *Runner-Up Outstanding Technology Display*

## OVERALL DISPLAY JUDGING

The following is a list of the criteria that will be used:

Variety of classifications and/or technology systems exhibited throughout display

Overall craftsmanship of projects in display

Excellence of project design.

Arrangement of the display.

## BOOTH DIVISION

The basic booth size is 8 feet wide, 8 feet deep and 8 feet high.

School signs, ceiling joists, rafters or ornamentation of any kind that will accent the appearance of the booth will be allowed. They should not extend more than 24 inches above the walls and may not overhang the outside of the side or back wall.

It is suggested that signs, sconces and other decoration not extend more than 8 inches out in front of the booth.

*POST-2010 OTEA STUDENT EXHIBITS SURVEY*

Please complete the following survey. Indicate how you feel about the questions.  
When completed, please return to me at the conference or by mail.

Did you return your application by the March 12th deadline?

Was deadline / packet mailing too early, too late?

Was exhibit security adequate?

Was technology judging adequate? Please list specific suggestions for improvement.

What changes and/or improvements would you like to see for next year?

Miscellaneous comments.

(Optional) School Name \_\_\_\_\_

Thank you for your time and effort.  
William Peters  
Student Exhibits Manager

## SCHOOL EXHIBITOR CHECKLIST

1. **EXACT PROJECT / CERTIFICATE COUNT FORMS DUE: (INSTRUCTOR/SCHOOL CLEARLY MARKED)**  
**- EMAILED TO SCHOOL EXHIBITS MANAGER BY WED. APRIL 7 NO LATER THAN 7:00PM ([orvl\\_peters@tccsa.net](mailto:orvl_peters@tccsa.net))**  
**OR**  
**- FAXED TO SCHOOL EXHIBITS MANAGER BY WED. APRIL 7 NO LATER THAN 7:00PM (330) 682-1099**
2. **ALL PROJECTS CLEARLY TAGGED AND STUDENT NAME, GRADE, SCHOOL, AT LEAST 1 OTACS STANDARD AND BENCHMARK AS WELL AS ONLY ONE SUB-CATEGORY ON EACH EXHIBIT CARD CLEARLY MARKED ON APPROPRIATE EXHIBIT CARD.**
3. **IF ELECTRICITY WAS REQUESTED, EXHIBITORS ARE RESPONSIBLE FOR SUPPLYING ALL THEIR OWN ELECTRICAL CORDS, SURGE STRIPS, ETC.**
4. **All supporting documentation is within your display (narratives, drawings, photographs, forms, etc.)**
5. Exhibit judging will start at 5:45 p.m. Friday.
6. Judging results forms are due by 7:00 p.m. on Friday.
7. Post Conference Survey forms returned by Saturday or mailed back to school exhibits manager.
8. It is the **INSTRUCTOR'S SOLE RESPONSIBILITY** to pick up certificates and ribbons from school exhibits manager prior to leaving conference.

### Times to Remember:

#### **FRIDAY, APRIL 9, 2010**

<b>12:00 p.m. – 5:30 p.m.</b>	<b>Friday -- Project Set-up</b>
<b>5:45 p.m.</b>	<b><u>Friday – Exhibitor Meeting in School Exhibits Area</u></b>
<b>5:45 p.m. - 7:00 p.m.</b>	<b><u>Friday -- Judging projects</u></b>
<b>7:00 p.m.</b>	<b>Friday – Completed Judging Forms Due</b>

#### **SATURDAY, APRIL 10, 2010**

<b>8:00 a.m. - 3:00 p.m.</b>	<b>Saturday -- Open viewing</b>
<b>3:30 p.m. - 5:00 p.m.</b>	<b>Saturday -- Awards Program (OTEA Business Meeting)</b>
<b>5:00 p.m. - 7:00 p.m.</b>	<b>Saturday -- Tear-down – Exhibitors pick up certificate packets</b>

