

# TECHNOLOGY

Building E-1

## DEPARTMENT SCHEDULE

<b><u>Entry Deadline</u></b>	Thursday	May 16	12:00 midnight (online only)
<b><u>Entries Received</u></b>	Friday	June 28	4:00 p.m. – 7:00 p.m.
	Saturday	June 29	9:00 a.m. – 1:00 p.m.
<b><u>Entries Released</u></b>	Monday	July 22	8:00 a.m. – 2:00 p.m.

## **GENERAL RULES**

1. Entries are due no later Thursday, May 16<sup>th</sup>, (unless otherwise stated).
2. Visit the fair's website [www.stancofair.com](http://www.stancofair.com) to enter your exhibits online or download an entry form. *Exhibitors will be charged a \$4.00 processing fee for entries submitted on a paper entry form.*
3. Entries must have been prepared by the exhibitor within one year prior to the opening date of the fair. No group entries unless otherwise stated.
4. Limit two (2) entries per exhibitor, per class.
5. Items entered in *any other* classes must be described in detail on each entry.
6. Each item must be listed separately and specifically for all entries.
7. Receiving and releasing dates and times will be strictly enforced as per state rules.
8. Unless otherwise specified, all exhibits must remain on display for the duration of fair.
9. All state & local rules apply.

## **TECHNOLOGY**

LIMIT: 2 entries per exhibitor, per class  
Entry Fees: Juniors - \$1.00 & Seniors - \$2.00

### **AMERICAN JUDGING**

#### **CASH AWARDS - DIVISIONS 975 to 981**

1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
\$15.00	\$12.00	\$10.00



## **3-D PRINTING CHALLENGE**

### **Engineering and Technology – Post Secondary**

*(open to students enrolled in college or post-secondary school)*

### **Engineering and Technology – Secondary Education**

*(open to students in middle school and high school)*

#### **JUDGING CRITERIA:**

- ~Sound mechanical design and art integrity~
- ~Design creativity~
- ~Product usefulness~
- ~Beauty - for the art and architecture category~

## **3-D PRINTING CHALLENGE**

*Design and fabrication to include any or all the following processes:  
3-D printing, CNC processing or Laser processing*

### **RULES:**

1. Exhibitor must submit a compelling description of the redesigned product entry, illustrating design creativity, usefulness, and include a project title.
2. Written description of at least 100 words and submitted on 8 ½ x 11 white paper. Entries **must** include at least 2 pictures/photos of the project.
3. Written description must include the general effect of your project and the impact of 3D printing on your design, shape, structure and/or material.
4. Designs should be mechanically sound, realistic & achievable, as described in the written entry.
5. 3-D Printing Project entry must be submitted during the receiving dates as listed in this handbook.
6. Participation is subject to all state and local rules.
7. The Competition is open to Exhibitors 12 years of age and older.
8. Each entry must be entirely the original work of the Exhibitor.
9. Exhibit does not violate or infringe upon the patent rights, industrial design rights, copyrights, trademarks, rights of privacy, publicity or other intellectual property rights or other rights of any person or entity.
10. Exhibit does not violate any applicable law, statute, ordinance, rule or regulation, or has been issued a patent.



## **3-D PRINTING CHALLENGE**

**DIVISION 975 - 3-D PRINTING CHALLENGE - Maker Challenge - Art & Architecture**

### **CLASS**

1. Secondary - Youth, ages 12-17
2. Post-Secondary - Adult, ages 18 & older

## **MUSIC VIDEO**

### **RULES:**

1. This division is an **ONLINE ENTRY ONLY**. NO paper entries will be accepted.
2. Enter your Music Video online at the fair's website: [www.stancofair.com](http://www.stancofair.com).
3. Upload your entry when prompted at the end of the online entry process. If you encounter difficulties, please email [exhibits@stancofair.com](mailto:exhibits@stancofair.com) before the deadline as stated.
4. Video must not be longer than 3 minutes.
5. Participants must use original music and video.



**DIVISION 976 - MUSIC VIDEO**

### **CLASS**

1. Youth, ages 5-10
2. Youth, ages 11-13
3. Youth, ages 14-17
4. Adult, ages 18 & older

## **COOKING VIDEO CONTEST**

***Enter a cooking video produced by YOU, featuring yourself cooking and demonstrating your culinary techniques on how to make your signature dish.***

### **RULES:**

1. This division is an **ONLINE ENTRY ONLY**. NO paper entries will be accepted.
2. Enter your Cooking Video online at the fair's website: [www.stancofair.com](http://www.stancofair.com).
3. Upload your entry when prompted at the end of the online entry process. If you encounter difficulties, please email [exhibits@stancofair.com](mailto:exhibits@stancofair.com) before the deadline as stated.
4. Submit a video featuring yourself cooking and demonstrating culinary techniques on how to make your signature dish.
5. Video must not be longer than 3 minutes.
6. Participants must use original music and video.
7. If adding images and titles, all media must be YOUR OWN.
8. We may promote your video on our social media accounts in conjunction with Fair promotion.
9. For rules on the Culinary Entry, please see the Culinary Arts Department.
10. Your cooking skills will be judged in the Home Arts Department. Judging will be based on how you present your culinary skills, level of culinary skill, execution of technique, and creativity.



### **DIVISION 977 – BEST COOKING VIDEO & RECIPE**

#### CLASS

- |                      |                           |
|----------------------|---------------------------|
| 1. Youth, ages 5-10  | 3. Youth, ages 14-17      |
| 2. Youth, ages 11-13 | 4. Adult, ages 18 & older |

## **VIDEO GAME LEVEL DESIGN**

***Build video game levels using the game design tool of the contestant's choice.***

### **RULES:**

1. This division is an **ONLINE ENTRY ONLY**. NO paper entries will be accepted.
2. Enter your Video online at the fair's website: [www.stancofair.com](http://www.stancofair.com).
3. Upload your entry when prompted at the end of the online entry process. If you encounter difficulties, please email [exhibits@stancofair.com](mailto:exhibits@stancofair.com) before the deadline as stated.
4. Level should have "SCF2019" somewhere in the level name. Example: "Adventure Island SCF2019".
5. Submit a recorded video of the level in 'mov' format and no longer than 2 minutes in length.
6. Make sure all games are playable by others.
7. Level should be made with the following criteria:
  - Creativity, game play (fun to play/easy to use).
  - Level design (overall layout, concept and architecture).



### **DIVISION 978 – VIDEO GAME LEVEL DESIGN**

#### CLASS

- |                      |                           |
|----------------------|---------------------------|
| 1. Youth, ages 5-10  | 3. Youth, ages 14-17      |
| 2. Youth, ages 11-13 | 4. Adult, ages 18 & older |

## **TOOTHPICK STRUCTURE BUILDING**



### **RULES:**

1. Must use a minimum of 200 toothpicks.
2. Non-toothpick objects may be used for added decoration; only 10% of the structure.
3. Toothpicks used must be wooden.
4. Entry must be secured and mounted for display.
5. Please provide a short write-up describing the structure and the number of toothpicks used to create it.



### **DIVISION 979 - TOOTHPICK STRUCTURE BUILDING**

#### **CLASS**

- |                      |                           |
|----------------------|---------------------------|
| 1. Youth, ages 5-10  | 3. Youth, ages 14-17      |
| 2. Youth, ages 11-13 | 4. Adult, ages 18 & older |

## **ELECTRIC POWERED RADIO CONTROL CARS, TRUCKS OR AIRPLANES**

### **RULES:**

1. Entries must be in working condition. Batteries should not be attached to vehicle when entry is submitted for receiving dates, as stated in handbook.
2. Scale and terrain type of the vehicle is the choice of the Exhibitor for their entry.
3. Shell can be any unique design.
4. Judging will be based on the range of mobility, control of the vehicle and the degree of difficulty for each vehicle function.
5. A hands-on demonstration may be requested by the Department Superintendent for an Exhibitor's entry during the Fair.



### **ELECTRIC POWERED RADIO CONTROL CARS, TRUCKS OR AIRPLANES**

#### **DIVISION 980 - ELECTRIC POWERED RADIO CONTROL CARS, TRUCKS OR AIRPLANES**

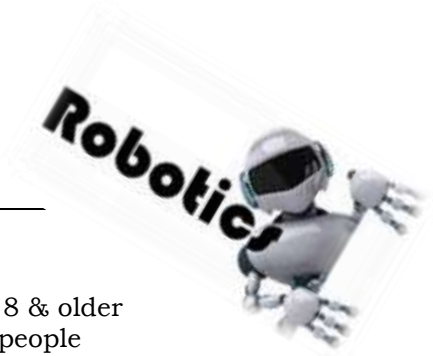
#### **CLASS**

- |                      |                           |
|----------------------|---------------------------|
| 1. Youth, ages 5-10  | 3. Youth, ages 14-17      |
| 2. Youth, ages 11-13 | 4. Adult, ages 18 & older |

# **ROBOTICS**

## **RULES:**

1. Projects may be constructed from kits or published drawings, modified from other devices to create new applications, or constructed from the exhibitor's own concepts and designs.
2. All entries must be a working and functional piece of electro-mechanical hardware in which movement and intent is controlled through exhibitor created programming.
3. Examples of commercially available kits are robotic "arms" or robot movers, Lego or K'Nex style building kits, Capsella, VEX, and Technics style robotics kits.
4. Devices must be controlled through direct, real time remote control by the exhibitor. Remote control vehicles are not eligible (refer to Division 980 for remote controlled vehicle entries).
5. Once started, the robotics project should operate as a stand-alone independent machine without human interaction.
6. A hands-on demonstration may be requested by the Department Superintendent for an Exhibitor's entry during the Fair.



## **DIVISION 981 - ROBOTICS**

### CLASS

- |                      |                           |
|----------------------|---------------------------|
| 1. Youth, ages 5-10  | 4. Adult, ages 18 & older |
| 2. Youth, ages 11-13 | 5. Two or more people     |
| 3. Youth, ages 14-17 |                           |

Award Sponsorships are still available. If you are interested in sponsoring an award, please contact the awards coordinator at [awards@stancofair.com](mailto:awards@stancofair.com) or 209-585-4030

