

# Rules and Conditions

## Divisions I and II (Projects)

### How to Enter

#### Division I High School Students/ 18 Years Old and Younger

- Any student 18 years old or younger enrolled in a shop course in any type of school or training program.
- An individual or a group of no more than five persons may submit a paper describing an arc welded project.

#### Division II Career Students / 19 Years Old and Older

- Any student over 19 years of age other than a college student studying for a Bachelor's or Master's Degree is eligible to participate. Eligible students may be enrolled in evening adult classes, high schools, vocational schools, private trade schools, in-plant training classes, technical institutes, junior, community or 2-year college courses or apprentice programs.
- An individual or a group of no more than five persons may submit a paper describing an arc welded project.

*Neither the founder of the Foundation, the founder's employees, or families, its officers, its advertising agency, its distributing agents nor dealers shall be permitted to compete for any award or benefit of the program, and no award shall be given to any such party or person.*

#### What to Enter

Entries are written papers describing an original arc welded project made by the entrant or entrants. The project may be (a) home, artistic or recreational equipment, (b) a shop tool, machine or mechanical device, (c) a structure, (d) agriculture equipment, or (e) a repair.

#### How to Prepare and Submit a Paper

The paper should be a clear step-by-step description of how the project was made. The text should be at least 3 pages long and no more than 13. Include photos and drawings to fully illustrate the project.

#### To Submit Your Paper Online:

1. Create the text in Word, double-spaced.
2. Make sure the text of the paper is at least 3 pages long and not more than 13 pages.
3. Illustrations and photographs are encouraged. Computer graphics and digital photos may be inserted in the text or added at the end.

4. Create a title page, but do not include your name or the name of your school; this information will appear on the Entry Form.
5. Go to the Awards page of JFLF.org, and click on the Div. I or Div. II link.
6. Click on "Electronic Filing of Entry Form," fill in the online form and upload your paper.
7. Be sure to upload a properly labeled appropriate photo of each student who worked on the Entry (a group photo is acceptable).

#### To submit your paper in hard copy:

1. Double-space type on only one side of an 8-1/2 in. x 11 in. sheet.
2. Make sure the text of the paper is at least 3 pages long and not more than 13 pages.
3. Illustrations and photographs are encouraged. Photographs should be neatly mounted. Large drawings should be folded to an 8-1/2 in. x 11 in. size.

4. Go to the Awards page of JFLF.org, and click on the Div. I or Div. II link.
5. Click on "Entry Form." Print out the PDF and fill it in.
6. Using a suitable cover and title page, bind the material into a report folder, including the Entry Form as the first page. Do not put your name or the name of your school on the title page; this information appears on the Entry form.
7. In the envelope or package you prepare, be sure to include a properly labeled appropriate photo of each student who worked on the Entry (a group photo is acceptable).

8. Models or specimens may not be submitted.
9. Mail only the original of your paper to the Foundation. Keep a copy.

# Rules and Conditions

## Use of Entry Form

The Jury of Awards judges the papers anonymously. The identity of the entrant or entrants will not be known to any member of the Jury. Be sure that your name or school's name is not listed in the paper. If any member of the Jury does recognize a paper, they will disqualify themselves from judging that paper.

Anonymous judging of the papers is made possible by the use of the Entry Form in either online or PDF format. Be sure that the title of your paper appears on both the Entry Form and the first page of the paper. If you are sending your paper by mail, print out the PDF of the Entry Form, complete it, and include it as the first page of your report.

Upon receipt of the paper in Cleveland, the Entry Form will be removed by the Secretary of the Foundation, and the paper bearing only an identifying number will be forwarded to the Jury of Awards.

**DO NOT** list your name or the name of your instructor or school anywhere in your paper

**DO** include a properly labeled appropriate photo of each student who worked on the Entry.

## Who Will Judge the Papers?

The Jury will consist of educators, professional people or people in industry selected by Chairman of the Jury, Dave Manning of Fanuc Robotics. In case of his failure to act, a person will be selected by the Trustees of The James F. Lincoln Arc Welding Foundation. The decisions of the Jury of Awards shall be final.

## Submission

Entries must be submitted online or sent as hard copies to the address below:

The LINCOLN ELECTRIC Company  
Attn: Activities Press (AP DIRECT)  
22801 Saint Clair Avenue  
Cleveland, Ohio 44117-9949

## How Will the Papers Be Judged?

### APPEARANCE OF PAPER:

1. Your project and your paper must be your original work and will be judged for usefulness and practicality.
2. You must submit a photo of each student with the Entry (Keep separate from the entry itself).
  - a. A group photo is acceptable for a group project.
  - b. Identify each person in the photo.
3. The appearance of the paper and how clearly the project or problem was described will be judged according to:
  - a. Consistent font size, paper format and double spacing.
  - b. Organization of the paper with clearly labeled sections such as Introduction, Bill of Materials, etc.

### Scoring Criteria:

- 0 Lacking any requirements
- 5 Meeting basic requirements
- 10 Far exceeding all requirements

## SAFETY:

1. Include a list of safety devices and personal protection equipment or clothing used.
2. Describe how safety was followed.
3. Photo will be reviewed for proper safety practices.

### Scoring Criteria:

- 0 No mention of Safety
- 5 Basic requirements including PPE list
- 10 Far exceeding all requirements including pictures

## WELDING PARAMETERS:

How well the use and knowledge of welding was applied including the use of proper welding parameters.

### Scoring Criteria:

- 0 Lacking any parameters
- 5 Listing basic parameters
- 10 Far exceeding parameters

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## CAN YOU BUILD FROM THIS PRINT?

1. The print should provide enough information to actually build the project.
2. The project needs to be shown in enough views.
3. Original hand drawings should use a straight edge.
4. Correct drafting practices should be used.
5. Use correct welding symbols.
6. Include a complete Bill of Materials, including donated materials and purchased materials.

### Scoring Criteria:

- 0 Lacking any prints
- 5 Including basic drawings
- 10 Drawings including dimension and weld symbols

## BILL OF MATERIALS:

1. Include a complete Bill of Materials so someone can build the project from your list.

### Scoring Criteria:

- 0 Lacking any material lists
- 5 Meeting basic requirements
- 10 Far exceeding material lists including consumables and costs

## CUT LIST:

1. Include quantity, dimensions and length of pieces/materials required.

### Scoring Criteria:

- 0 Lacking any requirements
- 5 Meeting basic requirements
- 10 Far exceeding all requirements including dimensions and drawing numbers

## STEPS IN ORDER:

1. Did you describe your project in the proper sequence or steps to build the project?

### Scoring Criteria:

- 0 Lacking written steps
- 5 Including basic written steps
- 10 Far exceeding basic written steps

## TOOL LIST:

1. Include a list of tools used to build the project.

### Scoring Criteria:

- 0 Lacking any tool list
- 5 Including basic description of tools
- 10 Far exceeding basic description of tools

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## DIFFICULTY LEVEL:

1. The difficulty level of the project will be considered, although it carries the same weight as the other categories.

### Scoring Criteria:

- 0 Lacking any welding skills
- 5 Making effort to include different processes and procedures
- 10 Making large effort to multiple processes including finishing, i.e. painting, etc.

## EFFORT INTO PROJECT:

1. The effort, skill and ability at which the project was completed:
  - a. Complete detailed write-up.
  - b. Correct grammar and spelling.
  - c. Clear, legible drawings that illustrate the project.
  - d. High quality, high resolution photos.

### Scoring Criteria:

- 0 Lacking any requirements of scoring criteria
- 5 Meeting basic requirements of scoring criteria
- 10 Far exceeding all requirements of scoring criteria

## How is an Award Divided Among a Group?

If an award is made to a co-authored paper, each author will receive a check dividing the award. equally, unless a request to do otherwise is indicated on the Entry Form.

## What Happens To the Papers?

### Other Uses of the Papers

All papers become the property of The James F. Lincoln Arc Welding Foundation. The Foundation shall have the right, in its discretion, to publish or otherwise use the papers, and in such case will give credit to the author.

Should an entrant wish to submit a paper in another competition or to retain a commercial interest, or to offer it for publication by others, such wishes must be clearly noted on the Entry Form. Such other use will in no way influence the judging of the papers in this Award Program.

The Foundation is interested in the development of the technology and education in arc welding. It is not in any way interested financially in the work described in a paper.

## Reasons Entries May Be Disqualified or Points Deducted:

1. Inappropriate subject matter or language.
2. Excessive length.
3. Failure to include a properly labeled appropriate photo of each student (that are not included in the paper).
4. Name of school, instructor or student appears in paper, photos or drawings.
5. Violation of copyright law or plagiarism with regard to text or blueprints.
6. Evidence of safety violations, i.e., photos showing students working without proper PPE.

**All decisions of the Judges are final.**

# Rules and Conditions

## Division I High School Programs / 18 Years Old and Younger

### National Winners

(To be selected from among all entries.)

	Student Award	Student Award	Instructor Award
(1) Gold	\$1000.00	Welder*	Welder*
(1) Silver	\$ 750.00	Welder*	Welder*
(1) Bronze	\$ 500.00	Welder*	Welder*

### Regional Winners

(To be selected from among entries in 4 separate geographic regions)\*\*

Regions I, II, III and IV EACH receive the following awards:

	Student Award	Student Award	Instructor Award
(1) Gold	\$500.00	Welder*	Welder*
(2) Silver	\$250.00		
(3) Bronze	\$100.00		
(10) Merit***	\$ 50.00		

\*The welder will be a 110V industrial grade MIG machine.

\*\*Regions — All papers must be submitted in one of the four regional divisions. States comprising each region are listed below. All entries compete for National and Regional Awards. National Award winners will not be in competition for the Regional awards.

Region I: Maine, Vermont, New Hampshire, Massachusetts, Connecticut, Rhode Island, New York, Pennsylvania, New Jersey, Delaware, Maryland, West Virginia, Ohio, Indiana, Illinois, Wisconsin, Michigan, Washington D.C.

Region II: Kentucky, Virginia, North Carolina, South Carolina, Tennessee, Mississippi, Alabama, Georgia, Florida, Puerto Rico, Virgin Islands, Arkansas, Louisiana, Oklahoma, Texas.

Region III: Alaska, North Dakota, South Dakota, Nebraska, Kansas, Missouri, Iowa, Minnesota.

Region IV: California, Nevada, Utah, Arizona, Colorado, New Mexico, Hawaii, Washington, Oregon, Montana, Idaho, Wyoming.

\*\*\*Merit Awards – \$50 each will be made to Entries of Merit, as determined by the Jury of Awards, regardless of Region.

## Division II Career Students / 19 Years Old and Older

### National Winners

	Student Award	Student Award	Instructor Award
(1) Gold	\$1000.00	Welder*	Welder*
(2) Silver	\$500.00	Auto Darkening Helmet	Auto Darkening Helmet
(3) Bronze	\$250.00		
(10) Merit***	\$ 50.00		

\*The welder will be a 110V industrial grade MIG machine.

