



## Invention Convention Reference Guide for 2021 Regional and State Virtual Competitions

This Reference Sheet is to help you as you are preparing to begin completing your regional registration and finishing up necessary items, including a display board, journal, and pitch video.

If you completed a registration as an **Independent Inventor**, you now **MUST complete a registration for your 2021 Ohio REGIONAL Virtual Invention Convention using the registration links below for the region of the state you live within.**

When recording video pitch submission, please make sure you are standing with your trifold display board behind/next to you so that the virtual judges can see to score it. This also gives you the opportunity to refer to the board when following the steps in the invention process during your pitch. The pitch video should be no longer than 6 minutes for K- 8th grade and up to 7 minutes, if necessary, for High School students.

**A journal IS REQUIRED** for this year's competitions. If you have completed your journal, then you have the answers to the questions below under "**Helpful Hints**". You will be asked to upload a PDF version of your journal during the completion of your Regional registration through the zFairs registration system.

### **A complete registration needs all three of these uploaded:**

- **Your video pitch:** (6 minute maximum for K-8, up to 7 minutes for High School)
- **Your display board images:** (Tri-fold board or digital display board)
- **Your logbook / journal images**

Complete details and suggestions on these items are included in the "**Helpful Hints**" below. The judges will only be scoring your inventions based on these three items, since they cannot talk with you "in person."

### **\*\*\*Do not begin your registration until you are ready with these items, including**

- **A profile picture (good quality photo of inventor)**
- **Images of your display board**
- **Images of your prototype**
- **A PDF version of your Invention Convention logbook/ journal.**

### **THE DEADLINE DATE FOR ALL REGIONAL COMPETITION REGISTRATION IS APRIL 30<sup>th</sup>.**

Please make sure you use you click on the region live within to register below.

If you are unsure which region you are in, please contact:[info@inventionconvention.org](mailto:info@inventionconvention.org)

**NE/NW Regional Competition Registration:** <https://oh-north.inventionconvention.org/?f=b207b1db-7caf-4921-aab4-948a8e16209e&stdReg=y&StudentRegPass=e83312ba-c81f-4092-bbbb-044262dc0208>

**SE/SW Regional Competition Registration:** <https://oh-south.inventionconvention.org/?f=0f53b228-d5f8-44d9-95ee-e27f0d99db5b&stdReg=y&StudentRegPass=35c8f48d-0e8b-41d3-8d8f-b32f96880da3>

**Central Regional Competition Registration:** <https://oh-central.inventionconvention.org?f=edc67a6e-6da4-4d54-ac6d-370e08595265&stdReg=y&StudentRegPass=2eeb4712-a218-468a-828e-8683ce823077>

### **Helpful Hints: Links and info to help share Invention Process in Video**

Video submission will be scored via OHIO IC RUBRIC : [https://inventionconvention.org/ohio/wp-content/uploads/sites/21/2020-21-OILIC-Online-Rubric-2020\\_10\\_28-15\\_35\\_46-UTC.pdf](https://inventionconvention.org/ohio/wp-content/uploads/sites/21/2020-21-OILIC-Online-Rubric-2020_10_28-15_35_46-UTC.pdf)

Link to the Invention Convention Logbook/Journal: [https://docs.google.com/document/d/1X58PKR-bH141cmCeFkrX3Cui3lvB\\_CGD/edit](https://docs.google.com/document/d/1X58PKR-bH141cmCeFkrX3Cui3lvB_CGD/edit)

Video tutorial on how to create a pitch video for virtual competitions:  
<HTTPS://YOUTU.BE/OZRHMYSMZLE>

Pitch video guidelines and instructions:

<https://documentcloud.adobe.com/link/review?uri=urn:aaid:scds:US:25d74410-dbd6-4c7c-a8bc-40219969dfe9>

Tips for Tricky situations in Pitch Videos: <https://inventionconvention.org/ohio/wp-content/uploads/sites/21/2021-Tips-for-Tricky-Situations-in-Video-Pitch-002.pdf>

Tutorial making videos unlisted on YouTube, creating a link, and inserting into registration system:  
<https://youtu.be/YVCM0SyfpBY>

Make sure in **your pitch video** you can answer the questions below before beginning your pitch video. Practice with someone. Have them ask you these questions so that you know you have included the answers in your pitch. Practice, practice, practice.

### Problem & Solution:

1. What problem did you solve? The more specific you describe the problem, the better.
2. What is the result you were trying to achieve?
3. What were some possible solutions, and why did you choose this one?

### Researching the Problem:

1. Has something already been invented to solve your problem? If yes, how is your solution different and/or better?
2. What research did you do to see if this invention had been done before?
3. Who did you talk to? Did they do a survey, maybe?
4. Where did you look?
5. What Internet sites did you search?

**Display Board:** (A display board is required for this year's competitions.)

You should cite 4 types of research such as:

1. Talking with experts, looking things up on the Internet, interviewing friends, and family as to how useful this would be
2. Display board examples below.

### Originality / Resources to research originality:

Discuss what research you did as to the originality of their invention. It is very important that your solution is original and does not already exist or is substantially different from another invention. An invention can be considered original if an improvement has been made to an existing invention.

- The Internet (e.g., [www.google.com](http://www.google.com), [www.bing.com](http://www.bing.com))
- Stores (e.g., [www.amazon.com](http://www.amazon.com), [www.bestbuy.com](http://www.bestbuy.com), [www.walmart.com](http://www.walmart.com), [www.target.com](http://www.target.com))
- Books about your topics (look up at [www.bn.com](http://www.bn.com) or [www.amazon.com](http://www.amazon.com))
- Professionals in the Industry (check out [www.linkedin.com](http://www.linkedin.com) for possible people to interview)
- Trade/Industry-Specific Publications (each industry has topical magazines and websites about the industry)
- United States Patent and Trademark Office (Visit [www.uspto.gov](http://www.uspto.gov) to search for patents and trademarks)

### Design Process:

The design process should be included in your pitch:

1. What problems did you encounter with your design?
2. How did you fix those problems?
3. What parts and materials did you need to make the invention?
4. Where did you get the parts and materials?
5. Would you use different materials on their working prototype?

### **Building a prototype:**

A prototype is required for this year's competition. If your solution solves a problem that would make a tangible prototype impossible, please explain the science behind your solution and why it would work.

If the scale of your invention is too large, you may make a smaller version of the prototype.

You may also choose to draw a diagram of your invention to explain your solution.

1. What additional skills did you use/learn to make the invention?
2. Who helped you do those activities, if anybody?
3. Did you encounter any problems or issues with this design?
4. Is this design compatible with the principle of sustainability? (If you are uncertain as to the meaning of "principle of sustainability", please refer to the rubric for more information.)
5. Have you talked to anyone else about this design?
6. What were their comments about your design?

### **EXAMPLE PITCH VIDEOS, INCLUDING VIRTUAL TEAM VIDEOS:**

4<sup>th</sup> Grade: <https://youtu.be/t8WyWUqWVr8> 4:02

5<sup>th</sup> Grade: (Team 1 student in front of camera with prototype & board other on iPad video facetime) <https://youtu.be/AqHjAQwJkqs> 3:43

6<sup>th</sup> Grade: <https://youtu.be/DRXU70fpUUs> 5:00

6<sup>th</sup> Grade: <https://youtu.be/xJqnObM5MZI>

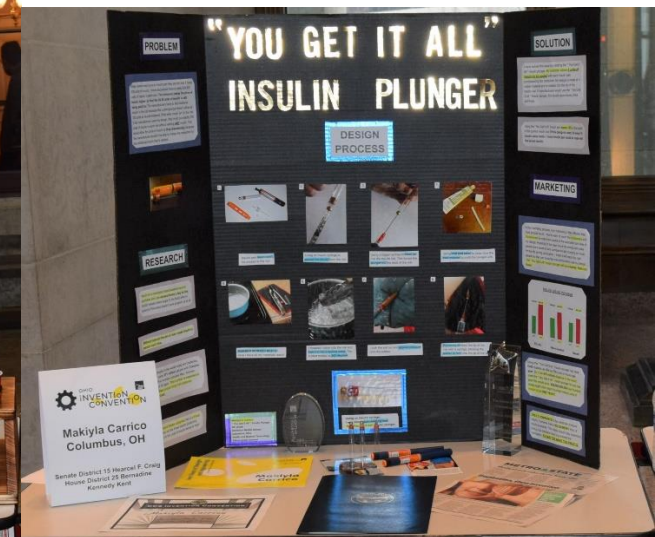
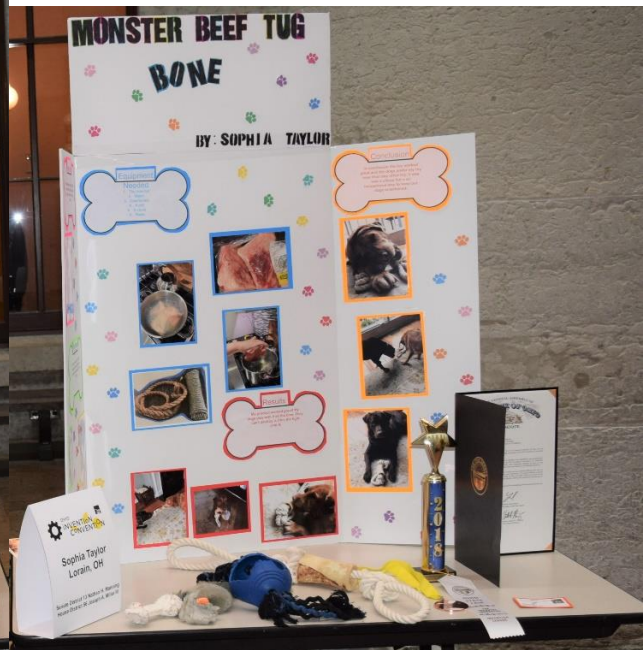
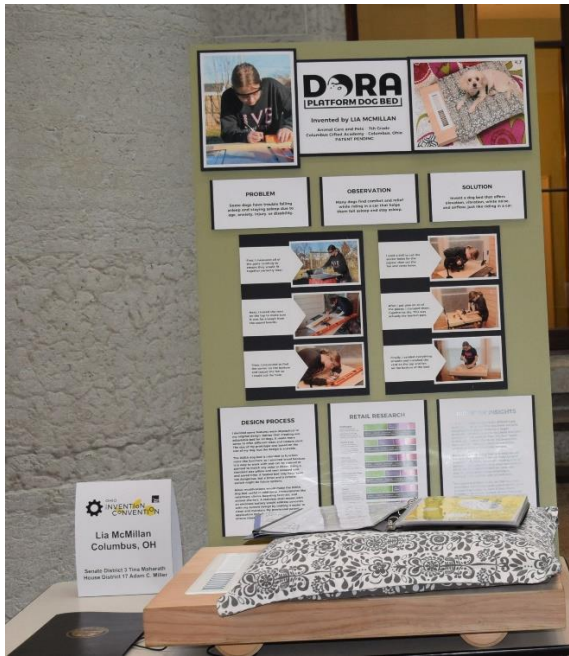
8<sup>th</sup> Grade: (Team in front of camera) <https://youtu.be/Sz3Kd3Udndk>

9<sup>th</sup> Grade: <https://youtu.be/AWrHnOkcjis> 4:41

10<sup>th</sup> Grade: (Team with digital board & recorded video conference) <https://youtu.be/p6GqAYJezQY> 5:48

11<sup>th</sup> Grade: <https://youtu.be/aeqnwm7yBJq>

**Example Display Boards, Including Prototypes, from Previous Award Recipient**



We know this has been another unusual and sometimes challenging school year. Thank you for using your superpowers of determination, perseverance, curiosity, and critical thinking to solve the planet's problems! You are making the world a better place.

Congratulations "Problem solving is YOUR Superpower" too!

**The Ohio Invention League's Invention Convention Team**



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