

VIDEO PRESENTATION GUIDELINES

INVENTION CONVENTION 2022 GLOBALS

Presented by PRATT & WHITNEY

Rules

- Grades K-2: 3-6 minute video with permitted use of notecards and/or simple parent prompting (not interview style)
- Grades 3-4: 4-6 minute video with permitted use of notecards but no parent/adult prompting of any kind
- Grades 5-12: 4-6 minute video with no notecards or adult prompting.
- Remember, this is the only means of judging, so make sure you tell us about your invention, but use the appropriate amount of time for you. You do not need to add unnecessary elements to your video to get it to six minutes.
- There should be NO editing or production.
- The video should run continuously.
- While filming on a smartphone, hold the phone horizontally/landscape.

What is the purpose of your video presentation?

- Your video will be judged against the Invention Convention Globals 2022 rubric. Please see the rubric and the video outline for help with planning your presentation.
- Your video presentation will be used by sponsors to choose winners for their awards.

What are the judges looking for?

- Please read the rubric carefully. The judges will score your video presentation based on the rubric and your ability to communicate the key components of your invention. Use the rubric to plan the content of your video.

What if I worked as a team?

- In order to respect social distancing, you may choose one inventor to present your team's video. That inventor will be responsible for filming the video, uploading it to YouTube and then sharing the link with all of the teammates so that each team member may use the same link within our registration system. The inventor who does the video presentation should have the display board and prototype to use in the video, if possible, and should mention each team member's name at the start of the video. If your team has already shot your video as a team or finds a way to shoot as a team using an online social platform, then that would be ideal.

Here are some tips:

- Begin with introductions, say your name, grade, school and the name of your invention.
- Your video MUST address the originality of your invention and the research you have done to discover what makes your invention an original or an improvement on a product that already exists.
- Be sure to talk about all steps of the invention process that you went through while creating your invention. What challenges did you encounter? What changes did you make and why? Read the rubric carefully to make sure you address all criteria

TOPICS FOR YOUR VIDEO AND SUGGESTED TIMES

(Continued)

Helpful hints for filming

- Film with a smartphone or video camera. Remember to hold the phone horizontally.
- Plan what you are going to say.
- Use your prototype and display board in the video.
- Find a quiet, well-lit spot where you can set up your display board, invention and you have room to present. Natural light from windows works well. Do not stand in front of the window, as you will appear as a shadow. The light should be coming toward you, the invention and your display board.
- Use a loud, clear voice. You may want to practice this a few times with the camera.
- Before recording, take a deep breath and relax. Remember, you are the expert on your invention.

Uploading your video

- You upload your video directly to our registration system. You will be prompted to upload a video during the registration process.

Receiving and using feedback

- Receiving feedback and making changes based on that feedback are an important part of improving your invention. If you have received judge feedback from regional and state fairs, record that feedback, and note any changes that you make to your invention. Remember that feedback is not criticism but is part of the invention process — your judges are experts in their fields and want to help you improve your invention.

For K-3 inventors

- K-3 inventors may need an adult to prompt them with questions from behind the camera. Refer to the next section for prompting questions.

VIDEO PRESENTATION GUIDELINES

When preparing for your presentation, use this outline and questions as a guideline. These topics are what judges will be scoring you on, so you want to make sure you address these in your presentation. Overall, the judges want to hear about your invention process, so spend time explaining how you arrived at your end result. The times suggested for each topic are just that, suggestions. Do not feel that you have to speak for that long. Be concise with what you have to say, and do not worry if your video does not reach the maximum time.

Invention Process

Problem and Solution identification — Identifying, Understanding, Ideating (2 minutes)

- Arrival at the problem:
 - o How did you uncover the problem?
 - o How did you become passionate about this problem?
 - Answer could be a personal story with a connection to a problem or a written process of identifying and researching a problem and its impact.
- Research on who is affected by this problem:
 - o What sources did you use to uncover the problem your invention solves and to better understand the situation?
 - Answer could be a personal story of how you were inspired or bibliography of sources. If you spoke to an expert, tell us about what you learned.
- Arrival at the solution:
 - o How did you arrive at your solution?
 - o How does your solution solve the problem you identified in your research?
 - o What sources did you use to uncover your solution and to better understand your ideas?
- Originality research:
 - o What research did you do to see if something like your invention already exists?
 - o How did you modify your ideas to be unique?

Problem and Solution identification — Identifying, Understanding, Ideating (2 minutes)

- Present your prototype:
 - o How does your prototype work? Show the judges in your video. If you have a nonworking model, explain how your prototype would work.
 - o How did you choose the materials used to build the invention?
- Testing and iteration:
 - o How did you test your invention to see if it would work?
 - o What changes or refinements did you make to your invention during the design process?
 - o What challenges did you face and how did you overcome them?
- What did you learn as a result of inventing?

TOPICS FOR YOUR VIDEO AND SUGGESTED TIMES

(Continued)

Invention Impact

Entrepreneurship — Marketing, Value Proposition, Social Value (1 minute)

- Social/environmental impact of the invention:
 - o How does the invention improve environmental or social conditions or have a minimal adverse impact?
- Your market or audience:
 - o Who might use your invention?
 - o How much might it cost if you were to sell it?