District and State Science Day
Role of Judges

Thank you for registering to judge the District/State Science Day. This event would not be possible without your enthusiastic support of inquiry-based research and technological design.

For "Virtual Events" - student projects will be released in your STEM Wizard account. You will be able to evaluate the student projects based on the submission of a **presentation video** and a **final research report**, including the project **abstract**.

For "In Person Event" or a "Hybrid Event" – student information will be given to you at the event on your District Science Day host campus.

2022 District Science Day Events						
District # - location	**Type of Event**	**Date**		**District # - location**	**Type of Event**	**Date**
1 – Edison State	Hybrid Event	March 12		10 – Central State	Held as part of District 18	
2 – Univ of Toledo	In person Event	March 12		11 – Univ of Cincinnati	Virtual Event	March 12
3 – OSU Marion	Virtual Event	March 26		12 – Ohio U	Hybrid Event	March 19
4 – Ashland U	In person Event	March 26		13 – Mount Union	Held as part of District 18	
5 – Univ of Akron	Virtual Event	March 19		14 – Rio Grande	Virtual Event	March 26
6 – Ohio Northern	Virtual Event	March 26		15 – Youngstown	In person Event	March 26
7 – Central Ohio	Virtual Event	March 26		16 – Belmont	Virtual Event	March 26
8 – OU Lancaster	Hybrid Event	March 19		17 – Southern State	Virtual Event	March 26
9 – Zane State	Hybrid Event	March 19		18 – OAS central office	Virtual Event	April 11

Hybrid Event = in-person and virtual judging available at the District Science Day, State Science Day qualifiers announced on in-person date

Virtual Event – State Science Day qualifiers announced on this date

In person Event – Students who do not wish to attend an in-person event, can enter the District 18 – OAS central office - virtual only event as a pathway to State Science Day

State Science Day will be a Virtual Event. Judging will be held from May 3rd through May 12th.

THINGS TO KEEP IN MIND:

- The 2022 District Science Day is an open event and did not require a local qualification – this means a lot of different levels of science
- Only judge projects based on the judging criteria - **DO NOT JUDGE STUDENTS AGAINST OTHER STUDENTS**
- Consider the student's grade level and be mindful of the curriculum that a typical elementary, junior high, and high school student has been exposed to
- The presentation video is between 10-15 minutes long. Students were encouraged to use slide presentations, such as PowerPoint. However, you may find that some students used a standard tri-fold presentation. If this is the case, please do your best to understand the presentation and also realize you will need to also reference the final research report to gain added clarification. This is especially true with graphs, figures, images, and charts.
- Students were asked to address questions that judges would typically ask during a live, real-time meeting at a science fair. This Q & A is intended to give you a deeper insight into the student's project. The questions include:

- What interests you about this topic and where did you get the idea for your project?
- If you found the idea in published research, did you modify the idea and if so, how?
- What question are you trying to answer and how did you go about answering it?
- What did you learn about the science behind your project, both before and after the experiment?
- What did you learn from the data?
- If you had to do it again, what would you change? What improvements would you make?
- What's next? Continue the project? Go on to a different topic?
- Based upon what you have learned, how can this knowledge benefit society?

ADDITIONAL QUESTIONS FOR ENGINEERING DESIGN PROJECTS

- What design problem are you trying to address and how did you proceed?
- What did you learn about the engineering and previous designs for your project before and during the process?

- Don't judge the quality of the video by its production value – you are to only evaluate the science. Use both the video and final report to fully understand the project
- Please consider first placing the student into a rated category (good, excellent, superior) in your notes and then score them numerically
- For students who reach a numeric score of 35 (Excellent), either turn this into a 36 (Superior) if it is deserving or make it a 33 (Excellent). The 35 score is a complete heartbreaker

- **STUDENTS NEED COMMENTS FROM JUDGES**
  - Be both constructive and specific. Avoid writing "Nice job!" as your only comment. It may be kind, but it is not helpful. Offer specific feedback to support your compliment. It is next to impossible to offer "too much feedback".
  - Be balanced. If you find a project that fell short of a Superior, explain why. Also offer compliments along with constructive criticism. As you know, science and design are games of failure. Don't make it worse. It is The Ohio Academy of Science's sincere desire that students are left wanting more! Also, we want students to challenge their curiosities and remain enthusiastic about the process.

Projects will be judged on the following criteria:

- Knowledge Achieved (considering student's age and grade level)
- Effective use of Scientific Method or Technological Design
- Clarity of Expression
- Originality and Creativity

Each criterion is rated 1 through 10 points with 40 points being the maximum.

- Superior range is 36-40 points
- Excellent range is 24-35 points
- Good range is 12-23 points