

# SCIENCE FAIR



## 24<sup>TH</sup> ANNUAL SCIENCE FAIR

Thursday, February 28, 2019

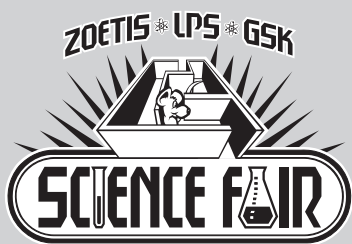
Lancaster Event Center

5:00-7:30 p.m.

Open to all 5th-8th grade students

# Judge Guidebook





# Welcome to the 24th Annual Zoetis\*LPS\*GSK Science Fair 2019!

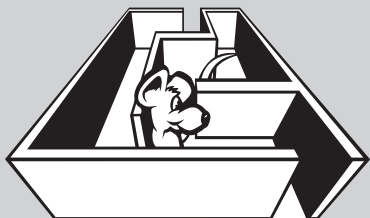
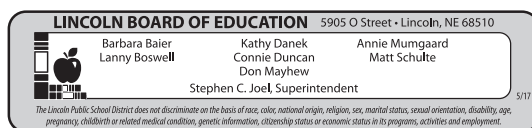
**Thursday, February 28, 2019**

**Lancaster Event Center • 4100 North 84th Street • Pavilion 1**

**Lincoln, Nebraska**

**5:00-7:30p.m.**

# JUDGE GUIDEBOOK



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## INFORMATION

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**Date of Fair:** Thursday, February 28, 2019

**Location:** Lancaster Event Center  
4100 North 84th Street  
Pavillion 1  
Lincoln, Nebraska

<b>Important Times:</b>	Judge Registration	4:00-5:00 p.m.
	Training Session (Nebraska Room)	4:30 p.m.
	Judging Time	5:00-7:30 p.m.



## COMMONLY ASKED QUESTIONS

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### 1. Who will participate in the fair?

This year we expect over 500 LPS students to participate. Students will be divided into an Elementary Division (grade 5) and a Middle Level Division (grades 6-7-8). Students will work individually or with a partner on a self-chosen topic of interest (experiment or demonstration).

### 2. How important are my judging comments?

The science fair is a learning opportunity for the students. Your comments are invaluable. You are encouraged to give both verbal and written comments. The students will appreciate your POSITIVE comments.

### 3. How much time should I spend with each project?

The average time is around 10 minutes per project. Spend enough time to allow the student to share their information, to ask questions, share your observations, and then complete the judging form.

### 4. Is there a minimum number of points I should award a student?

Although there is no minimum number of points, please keep in mind that this is a learning opportunity and very low scores can have a negative impact upon the student. We want students to leave the fair with a positive feeling about their project, a desire to continue participating in the future, and an attitude to maintain an interest in science. (If you feel the project is of poor quality, we'd recommend that you **use 60 points as a low score**. These students will receive a white ribbon.)

### 5. If I have questions, whom do I contact?

Prior to the fair . . .	Rochelle Settles	School: 402-436-1140
	James Blake	LPSDO: 402-436-1802
Day of the fair . . .	Fredstrom Office	402-436-1140

### 6. Are there training sessions for judges available?

A training session will be held at the Lancaster Event Center, on fair day, at 4:30 p.m., in the Nebraska Room.



## JUDGING PROCESS (DAY OF FAIR)

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1. You will receive a judging folder when you check-in at the judge registration table. Please review your forms and locate the assigned displays on the floor map.
2. We encourage you to walk around the display floor and view a variety of projects. Try to get a 'feel' for the overall quality of the projects and then evaluate your assigned projects. **Do not begin judging before the completion of the opening announcements.**
3. Please note that the judging form is printed on both sides. Display numbers with student names are provided. **Please make certain to match the display number on the student project with the correct judging form.**
4. On judging forms:
  - ✓ Write name(s) of student(s) present.
  - ✓ Write in the topic of the project.
  - ✓ Complete both sides of the form.
  - ✓ Total the score.
5. How to score the forms?
  - ✓ Note that each subsection has a total point value indicated to the right of the subsection heading.
  - ✓ Each subsection has a range of possible points. Read the descriptors and determine the number of points earned. Use your own best judgment when determining the number of points to be awarded. **Choose the descriptor that best illustrates the project and/or the students' understanding and then choose a point total to be awarded.**
  - ✓ Knowledge demonstrated by students and the thoroughness of their display represent 70 percent of their score. The technical portion of the display represents 30 percent of their score.
  - ✓ Based upon past experience, we would expect a majority of the projects to earn a 'Blue' (80-89 points) ribbon. To earn a 'Purple' ribbon, a student should exhibit an excellent understanding of their topic and a quality display. We suggest the minimum score be 60.
  - ✓ Add additional comments to the judging form. They are invaluable to the student to know what they did well and what needs to be improved.
  - ✓ Sample judging form is found on the following page. Please review this carefully.
6. Upon completion, return to the judge registration table and hand in all documents.

## SCIENTIFIC INVESTIGATION JUDGING FORM

Zoetis-LPS-GSK Science Fair  
Lincoln Public Schools

Project #: \_\_\_\_\_

Student Name(s): Albert E.Final Score: 89Topic: Popcorn

## SCIENTIFIC THOUGHT (Verbal Presentation)

## a. Knowledge of Scientific Fact or Theories

- 23-25 Knowledgeable, shares information freely, good understanding of topic, able to answer questions.
- 20-22 Provides explanation of some facts and shows general understanding of topic.
- 17-19 Provides some facts with prompting.
- 15-16 Minimal information shared on topic.

## Comments

\*Clear that student understands topic. Be more direct in your presentation. Don't wait for questions to be asked.

23/<sub>25</sub>

## b. Planned and Organized

- 14-15 Understands and utilizes a methodical scientific approach (e.g. Scientific Method, engineering design process, obtain-evaluate-communicate information, using computational and mathematical process, etc.) to complete project.
- 11-13 Demonstrates some evidence of a planned and methodical approach.
- 8-10 Exhibits limited understanding of the approach to planning and organizing or requires prompting.

## Comments

Part of your method is incomplete. Make sure you include all steps in procedure.

12/<sub>15</sub>

## c. Explains Graphs, Charts, and Display

- 9-10 Is able to explain graphs, charts, or other visual aids as they pertain to the project.
- 7-8 Is able to explain graphs, charts, or other visual aids with prompting.
- 6 Gives limited explanations to graphs, charts, or other visual aids.

## Comments

Your visual aids enhance the explanations and understanding of your project. Nicely done!

9/<sub>10</sub>

## THOROUGHNESS OF DISPLAY (Visual Presentation)

## a. Scientific Method and Sources of Information

- 18-20 Display accurately reflects the use of the Scientific Method (hypothesis, procedure, results, conclusion) **and/or** includes detailed sources of information (demonstrations, research reports from first hand or published sources-such as observations of nature)
- 16-17 Display accurately reflects some evidence of the Scientific Method **and/or** includes detailed sources of information
- 14-15 Display reflects limited evidence of the Scientific Method **and/or** includes limited sources of information

## Comments

Quality sources of information, could have used more. Some holes in the procedure and results of the S. Method.

17/<sub>20</sub>

FILL OUT PAGE 2 OF FORM

Points Earned-Page 1: 61/<sub>70</sub>

**THOROUGHNESS OF DISPLAY** *(continued)***b. Accurate and Complete Visual Aids**

- 9-10 Display includes two or more of following: graph, chart, photograph, illustration, or model that accurately reflects project.
- 7-8 Display includes one of the following: graph, chart, photograph, illustration, or model that accurately reflects project.
- 0 Display does not include a visual aid.

## Comments

Graphs and photos really enhance your presentation!

10 /10

**TECHNICAL SKILL (Visual Presentation)****a. Exhibit 'Catches the Eye' and Focuses Attention of Visitor**

- 5 Display 'grabs' your attention and interest.
- 4 Display is neat and organized but not 'eye-catching'.
- 3 Display is organized but lacks neatness.
- 2 Display is unorganized and appears put together quickly.

## Comments

Very colorful and 'eye-catching' display!

5 /5

**b. Words are Spelled Correctly.**

- 5 All words are spelled correctly.
- 4 1 or 2 words are misspelled.
- 3 3 or 4 words are misspelled.
- 2 5 or more words are misspelled.

## Comments

experiment  
not experement

4 /5

**c. Labels are Neat and Easy to read.**

- 5 Labels are attractive, neat, and easy to read.
- 4 Labels are fairly easy to read.
- 3 Labels are difficult to read.
- 2 Few or no labels present.

## Comments

Well done!  
Easy to read!!

5 /5

**ORIGINALITY****a. Original and Unique Ideas for Topic and Display**

- 5 Unique and original topic and display.
- 3-4 Original topic and/or unique display.
- 1-2 Some originality in topic and display.

## Comments

Great display of a common project

4 /5

**RIBBON EARNED - EXPERIMENT**

PURPLE



90-100 Points

BLUE



80-89 Points

RED



70-79 Points

WHITE



69 or Below

Points Earned-Page 2: 28 /30Points Earned-Page 1: 61 /70**Total Points:** 89 /100





