Wyoming Valley West Middle School
Science Fair 2019

The Wyoming Valley West Middle School will sponsor its annual Science Fair on Monday; May 6, 2019, in the school gymnasium. Students will be able to showcase their talents and ingenuity.

Ribbons will be awarded: blue for first place, red for second place, and white for third place. **Ribbons will not reflect the grade assigned by the student’s Science Teacher, but instead be awarded by the Science Fair committee.** Students should draw their project ideas from the science curriculum at their appropriate grade levels.

All entries must meet the regulations set forth by the science fair committee and should have prior approval from the science department chairman. Parents may assist their children in project construction, especially when safety is a concern. **PARENTS ARE REMINDED THAT THIS IS A STUDENT PRODUCTION AND COMPETITION.** Any student(s) who knowingly alters the registration or entry form will be automatically disqualified from the Science Fair. The student will receive a failing grade and will not be eligible for any award. In addition, disciplinary action will be taken. **NO EXCEPTIONS!!!**

There are a few changes to this year’s science fair, so please read the **Rules & Regulations** carefully. One major change is that students could work with a partner in the same grade. Please note that students working in pairs WILL RECEIVE THE SAME GRADE despite their contributions to the project. Please take the latter into consideration when deciding whether to work with another student.

**THIS PROJECT IS MANDATORY FOR STUDENTS TAKING HONORS SCIENCE. THEREFORE, ALL FACETS OF THIS PROJECT FROM THE APPLICATION PROCESS TO DUE DATES & TIMES SHOULD BE RESPECTED AND TAKEN SERIOUSLY. THIS PROJECT SHOULD TAKE WEEKS TO COMPLETE, NOT DAYS.**
SCIENCE FAIR RULES, REGULATIONS, AND TIMETABLE FOR 2019

1. STEM (Science Technology Engineering Math) projects will be allowed in this year’s Science Fair. STEM projects should be prototypes for display purposes only.

2. **ALL** Science Fair projects should follow the student’s specific grade curriculum.
   - 6th: Life Science; 7th: Physical Science; 8th: Earth & Space Science

3. Students are allowed to work with a partner this year. However, the two students must be in the *same grade*. Both students WILL RECEIVE THE SAME GRADE no matter what they contribute to the project. PLEASE KEEP THIS IN MIND BEFORE DECIDING TO WORK WITH A PARTNER.

4. Projects need to be on a threefold self-standing poster board.

5. Projects must be self-contained and portable.

6. Store-bought materials are permissible as components; however, they may not constitute the entire project.

7. Students are encouraged to use a self-contained DC power supply. **An electrical outlet will not be available.**

8. Moving parts are encouraged, but they must be safe and secure. No projectiles or dangerous materials are permitted.

9. There will be no running water or plumbing in the gymnasium.

10. Participation projects are permitted. They should be safe and durable. Users are not responsible for damage.

11. Living plants are permissible. Prepare plants to last 48 hours in the display setting.

12. Students should put their first name, last name & Science teacher’s name on the back of their project. Each student will be assigned a number that will be placed by the project.

13. Entry forms should be submitted *as soon as possible* to your Science Teacher. Entry deadline is Thursday; April 11, 2019. *Forms handed in late or topics changed after 4/11/19 will receive 10 points off their project grade.*
14. All display projects will be set up Monday, May 6th starting at 3:05pm and ending at 4:15pm SHARP. Students are discouraged setting up projects outside of that time frame due to the lack of supervision. NO displays can be set up on Tuesday unless the student has registered and brought in part of his/her project on Monday. **No student will be allowed to enter the fair during the school day on Tuesday.**

15. The Science Fair will be open for viewing on Monday (5/6/19) evening from 6 to 7 PM. Parents are invited to view projects at this time.

16. **Project removal will take place on Tuesday; May 7th starting at 3 PM and ending at 4 PM SHARP. WVW Middle School is absolved from any responsibility for projects not removed during this time frame.**

17. The committee reserves the right to declare any project unsafe at any time. Such projects will be shut down and possibly removed from the gym.

18. **THE FOLLOWING TYPES OF PROJECTS WILL NOT BE ALLOWED:**

A. animal mazes
B. volcanoes
C. tornado bottles
D. electronic quizzes
E. optical illusions
F. any edible food
G. solar systems
H. magic mud
I. needles of any kind
J. open flame
K. animals
L. animal parts or organs
M. dry ice

19. Historically, projects that score highest will the judges adhere to the scientific method.
   a. State the Problem
   b. Gather information about the problem (research)
   c. Form a hypothesis
   d. Test the hypothesis (experiment)
   e. Collect and analyze data (quantitative & qualitative: charts, tables & graphs)
   f. Form a Conclusion

While outstanding displays can win ribbons, it is in the student’s best interest to take his/her own measurements and develop and compare his/her own data, charts, graphs, and state their opinions.
20. No student will be allowed to stand with any project at any time during the school day. Projects will be evaluated on the quality of the student display. Judges reserve the right to call a student to the fair should a project need adjustment, alteration, or clarification. Moreover, pictures of your face should not be on your own project.

21. Awards will be announced during school hours about 7-10 days after the fair is over.

*Any rules broken will be reflected in the grade assigned by the individual Science Teacher.*

Science Fair Scoring Rubric:

Name:_________________________  Teacher:_________________________
Grade:_____  Number:_______

<table>
<thead>
<tr>
<th>Scientific Method (50 Points)</th>
<th>Comments:</th>
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<tbody>
<tr>
<td>Clear Problem</td>
<td>10 - 9 - 8 - 7 - 6 - 5 - 4 - 3 - 2 - 1 - 0</td>
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<tr>
<td>Clear Hypothesis</td>
<td>10 - 9 - 8 - 7 - 6 - 5 - 4 - 3 - 2 - 1 - 0</td>
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<tr>
<td>Clear Experiment/Procedure</td>
<td>10 - 9 - 8 - 7 - 6 - 5 - 4 - 3 - 2 - 1 - 0</td>
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<tr>
<td>Complete Data</td>
<td>10 - 9 - 8 - 7 - 6 - 5 - 4 - 3 - 2 - 1 - 0</td>
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<tr>
<td>Hypothesis Supported/Refuted</td>
<td>10 - 9 - 8 - 7 - 6 - 5 - 4 - 3 - 2 - 1 - 0</td>
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<tr>
<th>Project (20 Points)</th>
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<tbody>
<tr>
<td>Display (Adheres to Science Fair Rules)</td>
<td>10 - 9 - 8 - 7 - 6 - 5 - 4 - 3 - 2 - 1 - 0</td>
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<tr>
<td>Overall Clarity of the Project</td>
<td>10 - 9 - 8 - 7 - 6 - 5 - 4 - 3 - 2 - 1 - 0</td>
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<tr>
<th>Other (30 Points)</th>
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<tr>
<td>Adheres to assigned topic</td>
<td>10 - 9 - 8 - 7 - 6 - 5 - 4 - 3 - 2 - 1 - 0</td>
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<tr>
<td>Neatness &amp; Organization</td>
<td>10 - 9 - 8 - 7 - 6 - 5 - 4 - 3 - 2 - 1 - 0</td>
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<tr>
<td>Professional Judgment</td>
<td>10 - 9 - 8 - 7 - 6 - 5 - 4 - 3 - 2 - 1 - 0</td>
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Your final grade does not determine the ribbon you will be awarded. Ribbons are awarded by the Science Fair Committee.
*HAND THIS PAGE IN TO YOUR SCIENCE TEACHER*

SCIENCE FAIR APPLICATION FORM
Every student must fill out an application even if you are working with a partner.

Name:_____________________________ Grade:_____ Period:_____________
Partner’s Name (if applicable):______________________________________________

Science teacher’s name:_________________________________________________________________

Brief description of project: __________________________________________________________________

Parental consent is required for participation in the Science Fair.

My son/daughter ____________________________ has my permission to participate in the W.V.W. Middle School Science Fair. I HAVE READ THE SCIENCE FAIR APPLICATION AND FULLY UNDERSTAND THAT THIS IS TO BE A STUDENT PROJECT AND I WILL ASSIST MY CHILD WITH THE APPROPRIATE DISCRETION.

PARENT/GUARDIAN SIGNATURE: _________________________________________________________

DATE: ____________________________________________