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Wyoming Valley West Middle School Science Fair 2017

The Wyoming Valley West Middle School will sponsor its annual Science Fair on Tuesday; December 5, 2017, in the school gymnasium. *Eighth grade 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!!!*

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.

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SCIENCE FAIR RULES, REGULATIONS, AND TIMETABLE FOR 2017

1. Projects must be **NO LARGER** than **1 meter wide by 1 meter long by 1 meter high**. If any project is larger, the project *will be* penalized and will not be considered for an award.
2. Projects must be self-contained and portable. **Projects need to be on a threefold self standing poster**. A plywood base can be used, but is not required.
3. Store-bought materials are permissible as components; however, they may not constitute the entire project.
4. Students are encouraged to use a self-contained DC power supply. **An electrical outlet will not be available.**
5. Moving parts are encouraged, but they must be safe and secure. No projectiles or dangerous materials are permitted.
6. There will be no running water or plumbing in the gymnasium.
7. Participation projects are permitted. They should be safe and durable. Users are not responsible for damage.
8. Living plants are permissible. Prepare plants to last 48 hours in the display setting.
9. No student's name may appear on the project. Each student will be assigned a number that will be placed on the project.
10. Entry forms should be submitted as soon as possible **to your Science Teacher**. Entry deadline is **Friday, November 3, 2017**. **Forms handed in late or topics changed after 11/3/17 will receive 10 points off their project grade.**
11. All display projects will be set up between 3:00 and 5:00pm on Monday, December 4th. 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 & Wednesday.

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12. The Science Fair will be open for viewing on Tuesday (12/5/17) evening from 5 to 7 PM. Parents are invited to view projects at this time.

13. **Project removal will take place 3 PM to 5 PM on Wednesday; December 6th. WVW Middle School is absolved from any responsibility for projects not removed during this time frame.**

14. 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.

15. **ONLY ONE STUDENT PER PROJECT IS ALLOWED.**

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

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

17. 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.

18. 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.**

19. Awards will be announced during school hours will be on the day before our Winter/Holiday break.

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

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Science Fair Scoring Rubric:

Name: _____ Teacher: _____

Grade: _____ Number: _____

Scientific Method (50 Points)

Comments:

Clear Problem	10 – 8 – 6 – 4 – 2 – 0
Clear Hypothesis	10 – 8 – 6 – 4 – 2 – 0
Clear Procedure	10 – 8 – 6 – 4 – 2 – 0
Complete Data	10 – 8 – 6 – 4 – 2 – 0
Hypothesis Supported/Refuted	10 – 8 – 6 – 4 – 2 – 0

Project (20 Points)

Display (Adheres to Science Fair Rules)	10 – 8 – 6 – 4 – 2 – 0
Overall Clarity of the Project	10 – 8 – 6 – 4 – 2 – 0

Other (30 Points)

Adheres to assigned topic	10
Neatness & Organization	10
Professional Judgment	10

**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

Name: _____ Grade: _____ Section: _____

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 FULLY UNDERSTAND THAT THIS IS TO BE A STUDENT PROJECT AND I WILL ASSIST MY CHILD WITH THE APPROPRIATE DISCRETION.

PARENT/GUARDIAN SIGNATURE: _____

DATE: _____

