

In the Name of the Most High



28th Annual MCS-Alim Academy Science Fair

February 23-24, 2017

“Lend a helping hand”





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November 5, 2016

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

ذَلِكَ الَّذِي يُبَشِّرُ اللَّهُ عِبَادَهُ الَّذِينَ ءَامَنُوا وَعَمِلُوا الصَّالِحَاتِ قُلْ لَا أَسْأَلُكُمْ عَلَيْهِ
أَجْرًا إِلَّا الْمَوَدَّةَ فِي الْقُرْبَىٰ وَمَن يَقْتَرِفْ حَسَنَةً نَّزِدْ لَهُ فِيهَا حُسْنًا إِنَّ اللَّهَ غَفُورٌ
شَكُورٌ

It is that of which Allah gives good tidings to His servants who believe and do righteous deeds. Say, [O Muhammad], "I do not ask you for this message any payment [but] only good will through kinship." And whoever commits a good deed-We will increase for him good therein. Indeed, Allah is Forgiving and Appreciative. 42:23

Dear Parents, Students, and Staff,

Assalam Alaykum,

This year's annual MCS-Alim Academy Science Fair will be held in two stages. 1st through 3rd grade students will do an in-class project presentation on Thursday, February 23, 2017, while 4th through 11th grade students will do individual projects and present their work on Friday, February 24, 2017, in the IEC auditorium. Every student in grades 1-11 is required to participate. Parents are encouraged to provide *some* assistance to make the science fair projects safe and help with providing an educationally rich event.

We hope that our students will learn the important role math and English play in the success of their work; therefore, the math and English content of the posters will be checked for accuracy.

This year, all the information you need for Science Fair will be sent to you via email. We will also make it available through a link on MCS/AA website: <http://www.mymcs.org/>

Students in grades 6 through 11 are expected and greatly encouraged to participate in the Montgomery County Science Fair, which will be held on *March 17-18, 2017 at U.S. Food and Drug Administration's White Oak Campus in Silver Spring*. Students may enter the county fair without attaining any placement in the school Science Fair event. Please refer to the "rules wizard" on their website www.sciencemontgomery.org prior to starting your research to determine what is needed for each specific type of project.

For help or questions, please contact or make an appointment with Sr. Mahboubeh:

- Sr. Mahboubeh Azarmnia: mazarmnia@mymcs.org



2016-17 Science Fair Time Table

	Due date	Assignment	Initial
1	Nov.14	Parental acknowledgement sheet signed (green sheet)	
2	Nov.17	List of possible questions (pink sheet)	
3	Dec.1	Science fair proposal sheet (blue sheet)	
4	Dec.15	MCS official entry form (yellow sheet)	
5	Jan.5	Primary sample data report	
6	Jan.26	Completed data report	
7	Feb. 9-13	Preliminary posters (Do not glue anything to poster)	
8	Feb. 16-22	In-class presentations	
9	Feb.23	K-3 rd Science Fair presentation	
10	Feb.24	4-11 th Science Fair and judging from 9-12:30 Award ceremony from 2:30-3:15	



2016-17 Science Fair Guidelines

In order for a student to *qualify* to participate in the Science Fair contest, all the required steps must be completed and turned in by the specified due dates. Failure to fulfill two of the steps (including the in-class presentation) by the given due date automatically *disqualifies* a student from participating in the contest. However, all steps—including the final project—are part of the “presentation and projects” grade for the second and third quarters.

Therefore, if a student is disqualified from participating in the contest, he/she is still **required to finish his/her project** and turn them in by the specified due dates in order to get credit for the presentation and projects portion of the class grade.

Keep in mind that the scientific method must be demonstrated and the following items should be included in your poster:

- Abstract
- Problem/question
- Background information
- Hypothesis
- Material
- Procedure
- Observations/results
- Analysis
- Conclusion
- Future direction
- Bibliography and citations

Parents are encouraged to **guide** the students but should NOT do the project for them. We expect the students to display their own careful and creative work. Remember that the teachers will be available for advice, support, to ensure safety, encourage, motivate students, and approve or disapprove topics or methods of research chosen by the students. The students may arrange with their teachers if they need to use laboratory equipment.



MCS-Alim Academy Science Fair Official Entry Form

Due date: **Dec. 15th**

Name:

Grade:

Project title:

Project area (check one):

- Chemistry
- Biology
- Physics
- Mathematical behavioral science
- Other (specify).....

Will you require electricity?

- Yes
- No



MCS-Alim Academy Science Fair Proposal Form

Due date: **Dec. 1st**

Name:

Grade:

Answers to the following questions must be TYPED on a **separate** sheet stapled to this sheet.

1. **Topic:** what is the title of your project?
2. **Research question:** what question do you want to answer by working on your project?
3. **Background information:** what information can you provide to explain why this is important to study?
4. **Hypothesis:** what is your educated guess, or what do you think would be the result of this experiment based on the information you have collected?
5. **Materials:** what would you need to perform this experiment?
6. **Controls:** what do you think should be the control for this experiment?
7. **Dependent variable:** what is it that you are measuring, recording, or counting?
8. **Independent variable:** what are you changing deliberately during the experiment that would cause an effect that is measureable?
9. **Procedure:** what are the steps you will need to take in order to perform this experiment? You may draw a sketch to further clarify.



Science Fair List of Possible Questions/Problems

Due date: **Nov. 17th**

Name:

Grade:

- A. If neither of your choices gets accepted by your instructor, please list at least two new/revised questions or topics and return within one week.
- B. If more than one choice was accepted by your instructor, please circle the finalized question or topic you have chosen for your project and return within one week.

First possible question/problem:

Second possible question/problem:

Third possible question/problem:



MCS-Alim Academy Science Fair parent Acknowledgement Form

Due date: **Nov. 14th**

I have read and discussed the Science Fair packet with my child. I understand that many of the instructions and guidelines are not included in this package and they could be found in the supplementary package (sent via email and the link provided on the school website: <http://www.mymcs.org/>)

Comment:

Student name

Student signature Date:

Parent/guardian name

Parent/guardian signature Date: