

Science Fair May 2018

Dear Students and Parents,

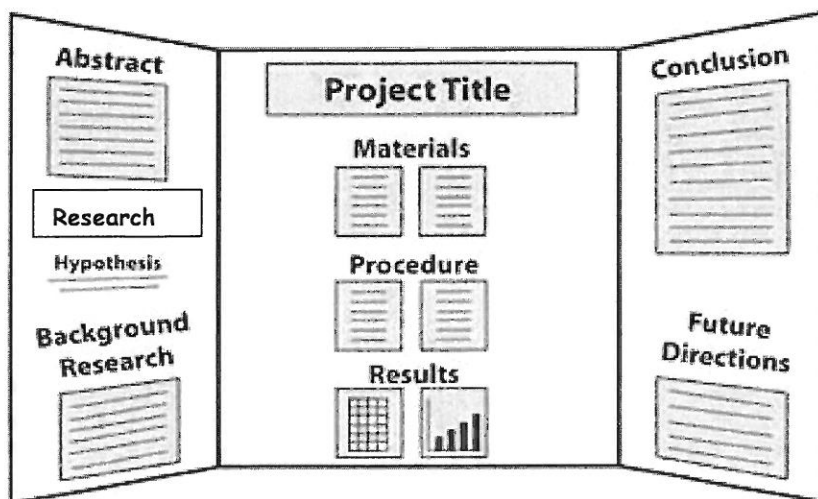
Ahlia School will embark on our annual Science Fair in May 2018. Every child needs to participate in this fair. Attached is a “Science Fair Information Booklet” and a form outlining due dates and important information regarding your child’s project.

This is a major project and will be formally judged for a prize for each year group, along with this it will be marked as the second semester project in the final exams.

The primary objective of this project is to have students approach a problem scientifically, promoting students’ scientific investigation and research. This includes:

- posing research questions and forming hypothesis or Prediction
- creating experiments to test those hypothesis
- organizing data and drawing conclusions
- writing a scientific research

Below is the picture of 3 sided display board to be presented.



The project is of experimental nature and assist students to acquire the scientific research methods and reasoning. In other words students will pose some research questions related to their curriculum, set few hypothesis, test and validate them experimentally and do further refinements and draw some scientific conclusions. Accordingly students are encouraged to use different resources and references to develop their understanding and make scientific generalizations. Students will be provided with topics related to what they are learning this year. **Students will work in groups (Minimum 2, maximum 4 members). Each group member will be responsible for contributing to the project and keep up with the research. Teacher will guide students to complete their projects.**

Science Fair Timeline:

Submissions	Due date
1. Acknowledgment slip	10 th April 2018
2. a. display board b. written work on neat A4 paper c. practical material for experiment	22 nd April 2018
3. Assembling of project at school	29 th April 2018
4. Presentation preparation and practical work at school	
5. Grade (1- 3)-presentation to judges Grade (4- 9)-presentation to judges	9 th May 2018 10 th May 2018

Outcomes:

All projects will be evaluated and judged by Ahlia University professors. Winners or excellent projects will be entitled to be published in Ahlia school science journal which will be launched this year (first edition).

We are looking forward to work with you to make this a valuable learning experience for your child. We appreciate your support on this important project.

If you have any further questions, please do not hesitate to contact the Science teachers or Science coordinator (Ms Iqra Bilal).

Best regards,

Acting Director general:

Dr. Mohammed Habib

Grade 6 to 9-Choose any one experiment of your choice.

No.	Project Name	Link/websites
1	Diet coke and Mentos explosion	https://youtu.be/Zbjep9JO41U
2	DIY projector	https://youtu.be/Zbjep9JO41U
3	Glowing rubber egg	https://youtu.be/Zbjep9JO41U
4	Homemade mini light sabers	https://youtu.be/Zbjep9JO41U
5	How to make magic mud	https://youtu.be/Zbjep9JO41U
6	The power of bleach	https://youtu.be/Zbjep9JO41U
7	Twist in time	https://youtu.be/Zbjep9JO41U
8	Match box microphone	https://youtu.be/Zbjep9JO41U
9	Make a square bubble	https://youtu.be/Zbjep9JO41U
10	DIY gas mask	https://youtu.be/rRydvncfHY
11	USB fan	https://youtu.be/rRydvncfHY
12	USB light	https://youtu.be/rRydvncfHY
13	Lego USB stick	https://youtu.be/rRydvncfHY
14	Match stick rockets	https://youtu.be/rRydvncfHY
15	Solar powered battery charger	https://youtu.be/rRydvncfHY
16	Solar bug robot	https://youtu.be/rRydvncfHY
17	Floating balloon without helium	https://youtu.be/rRydvncfHY
18	Slinking science	https://youtu.be/rRydvncfHY
19	Acid rain effects on steel Or seeds	https://www.education.com/science-fair/article/acid-rain-concerned/
20	Which has more energy vegetable oil or Petroleum oil?	https://www.education.com/resources/science+projects/
21	Comparing spices, salt and dehydration in food preservation	https://www.education.com/resources/science+projects/
22	Effect of friction on objects in motion	https://www.education.com/resources/science+projects/
23	Energy from garbage	https://www.education.com/resources/science+projects/
24	A study of liquefaction in sand, rock, and soil	https://www.education.com/resources/science+projects/
25	Gender probability: male and female chromosomes	https://www.education.com/resources/science+projects/
26	Goldfish vs human respiration rate.	https://www.education.com/resources/science+projects/
27	Green house model	https://www.education.com/resources/science+projects/
28	How to make solar oven.	https://www.education.com/resources/science+projects/
29	Does natural plastic decompose better than petroleum-based plastic?	https://www.education.com/resources/science+projects/
30	How can you clone a plant? (vegetable reproduction)	Science fair adventure.com
31	Conductivity meter	Exploratorium.edu
32	Does a higher SPF number protect skin more than lower number? (sunscreen lotion).	https://www.education.com/resources/science+projects/
33	Effect of video games on body.	https://www.education.com/science-fair/article/effect-type-video-game-blood/
34	Which battery lasts longer: brand-name, alkaline or non-alkaline?	https://www.education.com/resources/science+projects/
35	Which substance when dissolved in water will conduct an electrical current?	https://www.education.com/resources/science+projects/