



Science Fair May 2018

Dear Students and Parents,

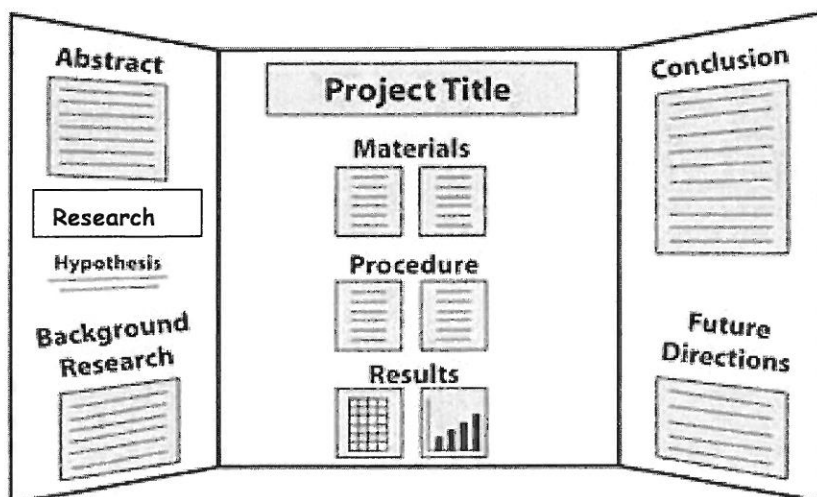
Ahlia School will embark on our annual Science Fair in May 2018. Every child needs to participate in this fair. Attached is a “Science Fair Information Booklet” and a form outlining due dates and important information regarding your child’s project.

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 4 & 5-Choose any one experiment of your choice.

| No. | Project Name |
|-----|---|
| 1 | Tornado in the bottle |
| 2 | Lava lamp |
| 3 | Comparing series and parallel circuits |
| 4 | Elephant's toothpaste |
| 5 | Model of an electric car |
| 6 | Does plants need light? |
| 7 | Rethink your drink! (amount of sugar in your drink) |
| 8 | Volcano model |
| 9 | Walking water experiment |
| 10 | Solar system model |
| 11 | Making an Atom Model |
| 12 | Volcano Model |
| 13 | Rock Cycle Diagram |
| 14 | Kinds of Rocks |
| 15 | Layers of the Earth |
| 16 | Layers of the Atmosphere |
| 17 | Types of Plates Boundaries |
| 18 | Soil Erosion (Diagram) |
| 19 | Renewable and Non-renewable Resources |
| 20 | Effects of Oil Spills (Diagram) |