



**NEW ALWUROOD INTERNATIONAL SCHOOL, JEDDAH K S A**  
**SUMMER VACATION ASSIGNMENT**  
**Class –XI(Science) - July - August 2020**

<b>SUBJECT</b>	<b>ASSIGNMENT PLANNED WITH SPECIFICATION</b>	<b>REMARKS</b>
<b>ENGLISH</b>	<ul style="list-style-type: none"><li>• Collect information related to King Tut and the Egyptian Civilization. Present it personally through a short video. (Maximum duration -5- 7 minutes)</li><li>• Submit any creative work eg; article, essay, poem ,drawing, painting etc. on topic of your choice,for the online magazine E-Petalia and Class magazine.</li></ul>	
<b>MATH</b>	<ul style="list-style-type: none"><li>• Solve the given MCQ worksheets (Math chapters 1,2,3,4,5&amp; 6)</li></ul>	MCQ worksheets are forwarded through e-mail
<b>PHYSICS</b>	<ul style="list-style-type: none"><li>• Solve the given MCQ worksheets (Chapters 1,2,3,4,5 &amp;6)</li><li>• Plan and prepare Science Expo Project</li></ul>	MCQ worksheets are forwarded through g-mail(Google classroom)
<b>CHEMISTRY</b>	<ul style="list-style-type: none"><li>• Solve the given MCQ worksheets (Chapters 1,2 &amp;3)</li></ul>	MCQ worksheets are forwarded through g-mail(Google classroom)
<b>BIOLOGY</b>	<ul style="list-style-type: none"><li>• Solve the given MCQ worksheets (Chapters 8,16,17,18,19)</li></ul>	MCQ worksheets are forwarded through g-mail(Google classroom)
<b>COMPUTER SCIENCE</b>	<ul style="list-style-type: none"><li>• Practice 20 python programs as per CBSE syllabus.</li></ul>	Uploaded in Google classroom
<b>ENTREPRENEURSHIP</b>	<ul style="list-style-type: none"><li>• Project work based on case study of any one successful Entrepreneur</li></ul>	Project guide lines are forwarded through mail.

**Note: Kindly submit the vacation assignments on 1<sup>st</sup> September, 2020 without fail**

Principal

## ASSIGNMENT No.II.

(Planning and preparation for Cluster Science expo during vacation)

SCIENCE EXPO-2020

(for Classes IX-XII)

### OBJECTIVE:

*The objectives of organizing Science Project Competition is to emphasis on the development of science and technology as a major instrument for achieving goals of self-reliance and socio economic and socio ecological development.*

The main theme of Science Exhibition:

**“SCIENCE AND TECHNOLOGY FOR HEALTHY LIVING”**

### SUBTHEMES:

- 1) *Health, Nutrition and Cleanliness.*
- 2) *Resource Management.*
- 3) *Industry (Desalination Plant, Petrochemical plant etc.)*
- 4) *Agriculture and Food Safety / security.*
- 5) *Disaster Management.*
- 6) *Eco- friendly tools and techniques(Eg. Waste Management Techniques, Pollution Control techniques)*
- 7) *Conservation of natural resources.*
- 8) *Computer Sciences and IT Industry.*
- 9) *Nanotechnology and its applications.*
- 10) *Socially useful electronic, electrical and mechanical devices.*
- 11) *Biotechnology & its applications.*

*Note: There are two categories*

*(i) Junior (IX & X)*

*(ii) Senior (XI & XII)*

### RULES:

*The exhibit / model include:*

1. *Working/Attractive models to explain a concept ,principle or a process*

- 2. An indigenous design of a machine /device
- 3. An innovative /inexpensive design or technique
- 4. Application of basic principles of Science and Technology 8. Scheme /design of a device or machine to reduce production cost
- 5. Investigation based study.

**INSTRUCTIONS:**

- 1) Choose your partner each team can contain two members
- 2) Choose your own project(idea) which connects with the main theme and subtheme as well.
- 3) Prepare some essential questions which could brainstorm your idea.
- 4) Predict your experimental outcome
- 5) Formulate hypothesis based on the predictions
- 6) Select dependent and independent variable
- 7) Procure material required for your project
- 8) Plan of action to execute the idea for example circuit diagram / model experimental set up (graphical or digital set up), even you can prepare PPT to show how you are going to execute your idea.

*Note: IF possible you can present your working model /still model also if it is ready.*

- 9) After the reopening of school, after vacation, each team has to submit your ground work done which are listed in the instructions with the help of PPT( Even you can present your model) if it is ready)

- 10) And then you can start the execution/assembling of your model.

*Note: For Classes(XI & XII) This project will be considered as Investigatory project (based on the contents ) {Physics, Chemistry and Bio} as a part of Board practical examinations, So involvement of all the students is mandatory.*

*For queries and guidance you can contact your science teachers and regarding presentation you can contact English teachers.*