

Abdus-Salaam Quest Conference 2023

Grade 11/12 Inquiry Project Presentation Competition

This competition is only open to students who have completed grade 11 or 12 as of June 2023.

This information package includes:

- **Description**
- **Student Success Criteria**
- **Evaluation Scheme**

Description:

The project should showcase the participant's ability to apply present scientific knowledge/data to find a unique scientific solution to a problem/ issue facing the world.

The presentation should have the following components:

- A 10 minute visual presentation that can be projected onto a screen using one or a combination of : slides, infographic, prezi, demonstration video etc.
- An introduction to the topic and relevant background information
- A research question based on the problem or issue that needs to be solved
 - What and why is this a problem/issue?
 - Should be informed by research and clearly demonstrate scientific knowledge
- Present the solution
 - Use and backed by scientific research /data
 - visual can be used additionally to support your explanation (ie: model/prototype/ diagram/animation/design)
 - that is unique, realistic, feasible and beneficial to humanity
 - As an extension, participants can speak to the relative cost of the solution
- Participants should be prepared to answer questions by the judges panel

Student Success Criteria

- I have a topic and can clearly identify a problem/issue
- I have sufficient and relevant scientific background information
- I have formulated a research question from understanding the problem I'd like to solve
- I have created a robust and unique solution to the problem
- I conducted sufficient research to scientifically support and clearly explain my solution
- My solution is realistic and feasible
- My Solution is beneficial to humanity
- My presentation is clear, concise and organized in a logical order and includes headings/subheadings, use of point forms
- My presentation is visually appealing and has effective/relevant images
- My presentation effectively demonstrates the solution, which CAN include model/prototype/diagram/animation/ design
- I can confidently answer any questions related to my project
- I have practiced my presentation to ensure that I project my voice, face the audience, use appropriate hand gesture and body language, and captivate the audience
- My presentation is a maximum of 10 mins long

Evaluation Scheme

Knowledge	
<ul style="list-style-type: none"> • Sufficient background information supports topic 0 1 2 3 4 5 • scientific knowledge is evident in producing the research question and solution 0 1 2 3 4 5 	/10
Inquiry	
<ul style="list-style-type: none"> • Problem/issue and research question is clearly explained 0 1 2 3 4 5 • Solution is clearly explained and backed by science 0 1 2 3 4 5 	/10
Application	
<ul style="list-style-type: none"> • Solution is unique, realistic and feasible 0 1 2 3 4 5 • Beneficial to humanity/society 0 1 2 3 4 5 	/10
Communication	
<ul style="list-style-type: none"> • Style- Voice modulation, Volume, use of hands/body language, facing audience, captivating 0 1 2 3 4 5 • Explanation- clear, concise, logical flow of ideas 0 1 2 3 4 5 • Slides- visually appealing, easy to follow, includes headings/subheadings, point form, effective/relevant images 0 1 2 3 4 5 • Presentation is within 10 mins 0 1 2 3 4 5 	/20
Total marks	/50