

ARCHITECTURE

Description

The art and process of designing and building structures.

Overview

Create an original architectural design as a 2D drawing or 3D model. Your design can be expressed through grand buildings, serene landscapes, or cozy interiors.

Requirements

1. Unique Design: Your submission must be entirely your own original work.
2. Written Explanation: A 5page doublespaced paper is required to detail your design process, goals, and challenges.
3. Technical Drawings: Provide a comprehensive set of blueprints, including site plans, floor plans, elevations, and sections.
4. Oral Presentation: Prepare a 10minutes presentation to explain your design to the judges. Exceeding this time limit may result in point deductions or disqualification. Additional time may be allotted for the judge's questions and responses.
5. Physical Model: Construct a scaled model of your design
6. STEM Verification: Obtain a signed STEM verification form from a qualified architect.

Judging Criteria

Category	Weight	Description
Design Concept	30	Complexity, originality, and overall concept
Planning and Space	10	Effective use of space and functionality
Aesthetics	10	Visual appeal and harmony of elements
Technical Accuracy	25	Quality of drawings, model craftsmanship, and construction feasibility
Written Statement	5	Clarity, coherence, and depth of explanation
Oral Presentation	5	Delivery, clarity, and ability to answer questions
Site Analysis	15	Understanding of the site and integration of design
Point Deduction	1 to 5	In the event the student presentation exceeds 10 mins one point will be deducted for every minute over up to five points.
Total	100	

Notes for Judges

- This competition is presentation and interview based and requires advanced screening of the contestants' materials in order to adequately interview them on the day of the competition.
- Each contestant will have 10 minutes to present their project and then the judging cohort will have 510 minutes for any follow up questions and quick deliberations before the next contestant. Each contestant will only have an allocated time frame of 1520 minutes.
- You should not under any circumstances engage with the students before or after the competition until the Awards Ceremony has concluded.
- You must provide honest constructive feedback for each contestant that you are judging.
- Scoring Rubric:
 - 95 - 100 - Qualifies as a Gold Medalist
 - 90+Up - Qualifies as a Silver Medalist
 - 85+Up - Qualifies as a Bronze Medalist
- Please take heed that the identifying word here is “Qualifies”. There can be multiple contestants that can qualify as gold medalist and if that’s the case the highest score will receive the gold, and silver and bronze will be allocated to the next two highest scores.
- In the event the highest score is a 90 then there is no gold medalist and there’s only a possibility for a silver and bronze medalist as long as the remaining scores land within the 85+Up region.

Tips for Contestants

- Start Early: Begin your project well in advance to allow for ample time for research, design, and construction.
- Research Thoroughly: Explore various architectural styles, historical periods, and contemporary trends.
- Develop a Strong Concept: Clearly articulate your design's purpose and unique qualities.
- Pay Attention to Detail: Ensure your drawings are precise and your model is meticulously crafted.
- Practice Your Presentation: Rehearse your presentation to deliver a confident and informative speech.
- Seek Feedback: Consult with mentors, teachers, or other architects to refine your design.
- Stay Organized: Keep track of your progress, deadlines, and materials.
- Have Fun: Enjoy the creative process and let your imagination soar!