

Dated: 25-01-2025

To

Honorable Director/ Principal/Headmaster/Headmistress

Subject: **Invitation to Participate in the “1st STEAM Education Exhibition 2025”**

Greetings from Public School Gadap, Karachi. We trust this correspondence finds you in the best spirits. Public School Gadap takes immense pride in announcing the “**1st STEAM Education Exhibition 2025**” a provincial-level event that promises to celebrate the fusion of Science, Technology, Engineering, Arts, and Mathematics (STEAM) within the educational landscape.

The foundation of a scientific and innovative mindset is unequivocally laid during the formative years of school education. We understand that, as educators, we share a collective responsibility to nurture our students' inherent curiosity and thirst for knowledge. It is in this spirit that we have organized this exhibition.

We are convinced that your esteemed institution shares our commitment to fostering creativity and innovation in students. As such, it is with the utmost respect and enthusiasm that we extend this invitation to your institution to participate in the “**1st STEAM Education Exhibition 2025**”.

The event will be held on **Thursday, February 20th, 2025**, from **09.00am to 04.00pm**, followed by a closing ceremony from **03:00pm to 04:00pm** on the same date, and we believe that your school's participation will greatly enhance the exhibition's quality and impact. Your students can present their projects and talents across various STEAM disciplines, contributing to a rich and intellectually stimulating environment.

In light of the above, we kindly request your Institute to confirm your registration by **February 5th, 2025**. Our dedicated team is readily available to address any inquiries or provide additional information. We eagerly anticipate your positive response and sincerely hope for the privilege of welcoming your institution to the **1st STEAM Education Exhibition 2025**.

Kind regards.

Khalid Saifullah Bhutto

Principal

Public School Gadap

Karachi.

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Main Theme and Sub Theme

The main themes and sub-themes for the “1st STEAM Education Exhibition 2025” at *Public School Gadap, Karachi* on *Thursday, February 20th, 2025* from *09:00am* to *04:00pm* are:

| S# | Subjects | Theme | Sub-Theme | Eligible Candidates |
|----|-----------------|--|---|-------------------------------------|
| 1 | Biology | Biological/ Life Sciences | <ul style="list-style-type: none"> • Environmental science • Health Science • Biotechnology • Genetics | Male/female candidates of IX to XII |
| 2 | Physics | Working models and applications | <ul style="list-style-type: none"> • Electromagnetism • Thermodynamics • Mechanics • Waves and Optics • Space Sciences • Cosmology • Cosmogony • Astrobiology | Male/female candidates of IX to XII |
| 3 | Chemistry | General applications of Chemistry | <ul style="list-style-type: none"> • Physical Chemistry • Analytical Chemistry • Biochemistry • Organic/Inorganic Chemistry • Green Chemistry • Industrial Chemistry | Male/female candidates of IX to XII |
| 4 | Computer | Hardware Software | <ul style="list-style-type: none"> • Internet Of Things and Arduino. • A.I • Computer Network • Programming Language and Web-Based Application • Mobile applications • Graphics • Office Automation (Interactive presentation) | Male/female candidates of IV to XII |
| 5 | Mathematics | Mathematical Modeling | <ul style="list-style-type: none"> • Geometry • Algebra • Trigonometry • Matrices • Numbers and Operations • Calculus • Mathematical Puzzles | Male/female candidates of IV to XII |
| 6 | General Science | 1. Physical Science 2. Biological Science 3. Earth & Space Science | <ul style="list-style-type: none"> • Living things • Human Body • Environmental change • Matter and Energy • Electricity and Magnet • Space Science | candidates of IV to VIII |
| 7 | Arts | Poster Painting OR Model Making | <ul style="list-style-type: none"> • Culture and Heritage (National and Provincial) | candidates of IV to XII |

Guidelines for the participating School / College:

- The schools willing to participate, need to apply by filling out the registration form before the closing date. The registered form is attached to the letter. The Last date for registration is 5th February 2025
- Each school could participate only in 1 project from each subject/theme.
- You can Register your institute via WhatsApp number, or email address.
- For each category, only two participants are allowed.
- Select a topic of your interest from the suggested themes/sub-themes.
- Think of an idea that is original and innovative. It may be a research-based project, an improvement of the existing product, or process or a solution to a problem/challenge.
- For art: The size of the poster painting for all grade students is 22 X 15.

- Poster painting should represent culture whereas model should represent heritage.
- Ensure the availability of resources for your project and their cost-effectiveness. You're advised to use materials that are eco-friendly and low-cost.
- Consult your mentor teacher at various stages.
- All the participants will receive a participation certificate.
- Shields will be awarded to the first, second, and third winners in each category
- All students who participate must be in their school/ college uniform.
- The size of the Stalls will be 15 X 10.
- Only an electricity connection will be provided.
- All elementary, secondary, and higher secondary students can apply.

Themes-related queries should be asked from the respected subject coordinator mentioned below:

| S# | Name of Teacher | Subject | WhatsApp #. |
|----|---|---------------------------|---------------------------|
| 1 | Mr. Yousuf | Biology (IX-XII) | 03313580139 |
| 2 | Mr. Amjad Ali | Physics (IX-XII) | 03053588728 |
| 3 | Mr. Asif | Chemistry (IX-XII) | 03362105886 / 03083209974 |
| 4 | Mr. Naeem Hussain | Computer (IX-XII) | 03033344819 |
| 5 | Mr. Aatif | Computer (VI-VIII) | 03084907916 |
| 6 | Mr. Zulqurnain/Mr. Tahir | Mathematics (VI-XII) | 03133036638 |
| 7 | Mr. Imdad | General Science (VI-VIII) | 03463710311 |
| 9 | Mr. Iftikhar Ahmed Soomro/Mr. Tufail Soomro | Art & Creativity (IV-XII) | 03085154743 / 03044477730 |

You can Register your institute via following WhatsApp number or Email address:

- Email: info@psg.edu.pk
- WhatsApp Number: 03085154743, 03362105886

FOCAL PERSON:

- Mr. Iftikhar Ahmed: 03085154743
- Mr. Rameez Ahmed: 03362105886
- Mr. Yousuf Ahmed: 03313580139