



# INDIAN SCHOOL BOUSHER

(Affiliated to the Central Board of Secondary Education, New Delhi)

(Affiliation No: 6630203 and School No: 90252)

P.O. Box: 2886, Postal Code: 130, Al Awabi, Al Ansab, Sultanate of Oman



## **CIRCULAR TO PARENTS**

### **(GRADES 9- 12 – IDEA CRAFTERS)**

### **(STAI 2025)**

### **[SCIENCE, TECHNOLOGY AND INNOVATION]**

ISB/CR/ADM/2025-2026/067

04.09.2025

Dear Parents and Students,

Greetings from Indian School Bousher!

*Under the aegis of the Board of Directors, Indian Schools in Oman, Indian School Bousher is proudly hosting the*  
**STAI 2025.**

This event marks a significant step in nurturing young minds and inspiring a spirit of curiosity, creativity, and critical thinking. In a rapidly evolving world, it is through platforms like these that we empower students to explore scientific ideas, develop technological solutions, and innovate for a better tomorrow. Your support is invaluable in making this event a memorable and impactful experience for all.

To provide fair opportunities to our students to take part in the competition, selection round will be conducted. Kindly find the information regarding the selection rounds applicable for various events.

### **STAI 2025 – Audition Schedule and Guidelines**

#### **InnovateX: The SciTech-Business Fusion**

**INNOVATEX** is a startup pitch competition for students of Grades 9–12 under **STAI 2025**. This prestigious event is designed to encourage innovation, entrepreneurship, and problem-solving by applying scientific knowledge and technological skills to real-world challenges.

#### **Startup Categories:**

**Science & Health:** Preventive health tech, Agri-BioTech, Environmental Solutions, Food & Nutrition Science

**Technology:** AI tools, FinTech, Cybersecurity, Smart Cities & IoT

**Innovation:** Eco-Innovation, Social Impact Ventures, Transport & Mobility, Creative Economy & Lifestyle

Refer to the STAI handbook posted in your class WhatsApp groups and Google Classroom.

#### **Team Structure & Presentation guidelines:**

- Each team must consist of 4 students.
- Each team must select one category only.
- Duration: 5 minutes presentation followed by 2 minutes Q&A.
- A prototype/model/demo is mandatory.

- Slides should be submitted in PPT, PDF, or Google Slides format prior to the event.

Interested teams are requested to come prepared for an audition on **11th September 2025** after filling in the Google Form link shared below:

<https://forms.gle/hmPcx1a2V1xeds2A9>

**Venue of the audition: XII C classroom**

**Time: 2.30 to 4.00 p.m.**

For further queries contact Ms. Chitra Sudhakaran, HoD Commerce & Humanities

### **FUTURE LABS EXPO**

**Grades:** 9 - 12

#### **SCIENCE THEMES**

1. Energy Exploratorium - Focus: Future energy technologies
2. Waste Warriors Lab - Focus: Waste reduction and circular economy

#### **TECHNOLOGY THEMES**

1. Tech for Tomorrow's Classroom - Focus: EdTech tools and innovations in learning
2. Disaster Busters - Focus: Technology for disaster prediction, response, and recovery
3. Inclusive Tech: Breaking Barriers with Technology - Focus: Assistive technology for differently-abled individuals

#### **INNOVATION THEMES**

1. Transport of the Future - Focus: Eco-friendly and smart transportation
2. Food Futures: Smart & Sustainable Nutrition Focus: Innovative solutions for future-ready food systems – urban farming, smart agriculture, alternative proteins, and food security technologies

To take part in the audition, submit a one-page concept note of your project idea based on the themes of the Future Lab Expo.

Your note must include the title, problem statement, proposed solution, materials required, and its real-life relevance.

Submit your concept note in the following link on or before September 9, 2025.

**Link:** <https://forms.gle/T4mHJHqW6vM2hMcH6>

Shortlisted students will be invited to make a 3–5 minute presentation before the selection panel.

Final selection will be based on originality, scientific knowledge, feasibility, and presentation skills.

We encourage everyone to participate and showcase innovative ideas to make our school proud.

For further queries, contact Ms. Aswathy Vimal from the Department of Science.

### **ELEMENTS ALIVE: SCIENCE ON STAGE**

As we venture into hosting the STAI 2025-26, we invite student participation to the open event to be conducted as a part of STAI. Interested students from grades 6 to 12 may form teams among you and attend the audition rounds to be held on 10th September'2025 between 2.15 pm and 4.00 pm in the school premises. The detailed

guidelines are given here.

### **IMPORTANT GUIDELINES:**

- Each team must consist of a maximum of 7 students and a minimum of 5 students, of a heterogeneous mixture consisting of students from both the middle (Gr 6 to 8) and secondary section (Gr 9 to 12)
- Venue: Grade 11 B
- The teams should be able to express a scientific concept through either their artistic skills or scientific approach or a combination of both.

### **TYPE OF PERFORMANCES ALLOWED:**

- Musical Performance: Songs, rhythm, or sound effects illustrating the topic (e.g., creating sounds of wind or water).
- Dance/Movement: Choreographed sequences embodying the science concept (e.g., flowing water, bouncing forces).
- Live Experiments: Simple, safe demonstrations that showcase scientific principles.
- Theatrical Storytelling: Short skits or narratives explaining the science behind the topic.
- Mixed Media: Combine two or more of the above creatively.

**THEME:** Any scientific theme may be chosen. Some suggested themes are: Quantum Physics Phenomena, The Journey of Data through AI, Microbiology & Ecosystem Interactions, Environmental Science & Global Warming, Human Organ Systems, Astronomy & Space Technology.

**PERFORMANCE DURATION:** 1 minute narration of the scientific concept, 5 minutes of artistic expression of the scientific theme.

**PROPS, MUSIC & COSTUME:** The teams are allowed to use non-hazardous materials or chemicals for the experiment, no prerecorded music is allowed, and however live music and backdrop slides to support the presentation is allowed.

Referring to scripts during the performance is not encouraged.

Interested teams may get in touch with Ms Sujatha Natarajan, HOD – Activities.

### **SCITECHNOVA QUIZ**

**[No Audition for this event; All students will be given opportunity to take part in the Quiz.]**

The main objective of the quiz is to ignite curiosity and interest in Science, Technology and Innovation among our young learners.

#### **Guidelines**

- The quiz will be conducted in online mode.
- The quiz will consist of 30 questions in 30 minutes.
- There will be a trial round for it. Link will be shared through their registered email ID.
- Each question carries 1 mark. No negative marking for wrong answers.

#### **Topics**

##### **Science:**

Structure of atoms

Chemical reactions and bonding

Genetics and biotechnology

Newton's laws and applications

Thermodynamics and energy conservation  
Environmental science and climate change

### **Technology:**

Artificial Intelligence (AI) and Machine Learning (ML)  
Cybersecurity, digital footprint, and data privacy  
Blockchain, Big Data, Cloud Computing  
3D Printing and its applications  
Space technologies – Chandrayaan, Gaganyaan, Mangalyaan

### **Innovation:**

Frugal innovation (Jugaad) in India  
Sustainable technologies (EVs, solar roads, vertical farming)  
Science startups in India (AgriTech, HealthTech, EdTech)  
Patents and intellectual property basics  
Nobel laureates and breakthrough inventions  
Viksit Bharat @2047 – India's innovation mission

**Event Date:** Tentatively the second week of October

**Time Allocation:** Total time: 30 minutes

### **Access Instructions**

- All registered students will receive the quiz link via their registered school email or class group.
- The quiz can be accessed only once per student.
- Use a laptop, desktop, or tablet with a stable internet connection.
- Ensure you have a quiet space and avoid any disturbances during the quiz.
- You must submit the quiz before the timer runs out. Late submissions will not be accepted.

### **Important Rules**

- Do not refresh the page while attempting the quiz, switch tabs or use multiple devices.
- Suspicious activity will be monitored and such attempts may lead to disqualification.
- Students must attempt the quiz individually without any external help.
- Use of calculators or online search is strictly prohibited.

Let's celebrate their wonder-filled minds and help them take their first steps into the world of science and innovation—with confidence and a smile. We look forward to your child's enthusiastic participation!

Warm regards



P. Prabakaran

Principal

Indian School Bousher

