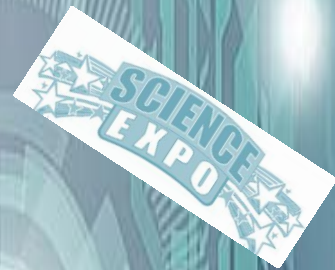# BCM SCHOOL

A Senior Secondary School of BCM Foundation, Affiliated to CBSE, New Delhi
Urban Estate, Sector 32 -A, Chandigarh Road, Ludhiana

TECHNO FEST 2024

(An Enlightened Vision)

CELEBRATING 94TH BIRTH ANNIVERSARY OF DR. APJ ABDUL KALAM ON 14TH & 15TH OCTOBER,2024

ROBOTHON

DECLAMATION CONTEST

QUIZ

SCIENCE EXPO

Dear Principal

Greetings!

The scope of education today extends far beyond the mere acquisition of knowledge; it encompasses the cultivation of curiosity, creativity, and critical thinking in young minds. These qualities are essential for future success, equipping students to excel in an ever-evolving world. To realize this goal, education must offer dynamic opportunities that inspire innovation, exploration, and the development of crucial 21st-century skills.

In alignment with this vision, we are pleased to announce Techno-Fest 2024 – An Enlightened Vision, a two-day event celebrating the birth anniversary of Dr. APJ Abdul Kalam, India's Missile Man. This event, scheduled for the 14th and 15th of October 2024, aims to spark creativity and innovation among students through a series of engaging and thought-provoking activities. By connecting their aspirations with Dr. Kalam's legacy, we hope to inspire them to envision and achieve extraordinary goals.

We are delighted to invite your esteemed school to participate in this prestigious event. Kindly confirm your school's participation and join us in creating an inspiring and memorable experience for all.

Looking forward to your positive response.

Warm regards,
D.P. Guleria
Principal

Schedule of Events: At a Glance

Event	Date
DECLAMATION CONTEST	14 Oct 2024
SCIENCE EXPO	14& 15 Oct 2024
ROBOTHON	14 & 15 Oct 2024
SCIENCE QUIZ	14 Oct 2024
PYMATH CHALLENGE	14 Oct 2024
KALAM CHRONICLE	14 Oct 2024
TEENPRENEURSHIP CHALLENGE	14 Oct 2024

PRIZE DISTRIBUTION CEREMONY WILL BE ON 15 TH OCTOBER, 2024

SPECIAL ATTRACTIONS

Overall Winner: Rs. 3500 & Running Trophy

1st Runner Up: Rs. 2500 & 1st Runner up Trophy

2nd Runner Up: Rs. 2000 & 2nd Runner up Trophy

Event Wise Prizes –Winner, 1st Runner up &2nd Runner up

DECLAMATION CONTEST

DETAILS

Classes : XI-XII
No. of Participant : 1
Topics:
1. The Intersection of Technology and Human Rights: Challenges and Opportunities
2. The Rise of Autonomous Weapons: Ethical Implications and Global Security
3. Transhumanism: The Future of Human Evolution or a Step Too Far
4. The Science behind Positive Thinking: How it affects your brain and body
5. Fail Fast , Learn Faster: The Agile approach to startup failure.
6. The Ethical Dilemmas of Artificial Intelligence

RULES

- Time Duration: 2 to 3 minutes. A warning bell will sound after 3 minutes, and participants must conclude their speech upon hearing the second bell. Participants exceeding the time limit will be disqualified.
- Participants must not disclose their identity during their speech.
- Reading from paper notes is prohibited.

EVALUATION CRITERIA

Content & Grammatical Accuracy

Verbal Clarity

Confidence Level

Overall Presentation

EVENT COORDINATOR
Ms. Neetu Sharma(9855564174)

SCIENCE EXPO

Classes: VI- X

No. of Participants: 2(Per Team)

Themes: The expo will feature a range of sub-themes under the following broader themes:

- **Renewable Energy**
- **Sustainable Environment**
- **Robotics and Automation**
- **Health and Medicine**
- **Space Exploration**
- **Innovative Agriculture**
- **Hygiene and Cleanliness**
- **Women Safety**
- **Transportation and Safety**

DETAILS

RULES

❑ **Each school may send a maximum of two teams, each presenting a model.**

❑ **Each team must prepare a concise write-up (maximum 200 words) detailing their model, to be submitted in hard copy at the exhibition venue on the day of the event. Teams must clearly specify their chosen theme and sub-theme during registration.**

❑ **The host school will provide each team with a 3x2 feet display table and access to an electrical socket.**

❑ **All additional resources, including stationery, electrical extensions, laptops, internet connectivity, and a white cloth sheet for the display, must be brought by the participants.**

❑ **Models must be safe to operate and must not pose any risk to individuals or property.**

❑ **Prohibited Items: Flammable, explosive, or hazardous materials, weapons, or items resembling weapons.**

❑ **Event Structure:**

Round 1: Teams will present their models to the judges, followed by a question-and-answer session.

Round 2: Shortlisted teams will present their models again, with an additional Q&A session.

EVALUATION CRITERIA

Innovation and Creativity	Scientific Principles	Practical Application	Presentation Skills	Teamwork and Collaboration

EVENT COORDINATOR
Mr. Ravinderpal Singh 8566941605
Ms. Meena Sharma 9872571602

ROBOTHON

Classes: VIII- XII

No. of Participants: 2 (Per Team)

❖ **Participants will make Robot or Robotic device on the given themes**

Themes: Robothon will feature a variety of sub-themes under the following main themes:

- **Environmental Sustainability**
- **Healthcare Innovations**
- **Smart Cities**
- **Agricultural Technology**
- **Educational Tools**
- **Smart Homes**
- **Care for Disabled/Infants/Patients**

DETAILS

❑ **Each team must prepare a concise write-up (maximum 200 words) detailing their model, to be submitted in hard copy at the exhibition venue on the day of the event. Teams must clearly specify their chosen theme and sub-theme during registration.**

❑ **The host school will provide each team with a 3x2 feet display table and access to an electrical socket.**

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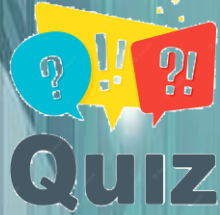
RULES

EVALUATION CRITERIA

Innovation and Creativity	Scientific Principles	Practical Application	Presentation Skills	Teamwork and Collaboration

QUIZ

Quiz

DETAILS

Classes: - XI- XII
No. of Participants : 2

Themes: -
- ❑ Space Exploration
- ❑ General Science
- ❑ Current Affairs (National and International)
- ❑ Technological Advancements

RULES

- ❑ The quiz will consist of two levels: a screening test and a final round.
- ❑ Both participants from each team will take the screening test.
- ❑ The top four teams will advance to the quiz final.
- ❑ Types of questions may include:
  - o Multiple choice
  - o One-word answers
  - o Audio/visual-based questions

PYMATH CHALLENGE

Classes: IX-XII
No. of Participant: 1

DETAILS

RULES

- ❑ Only the Python programming language is allowed.
- ❑ Python IDLE 3.12 will be provided for use.
- ❑ Contestants must complete three challenges within the allotted time frame:
- ➢ Design the Pattern: Create a pattern up to a specific number of steps, Pattern will be revealed on the spot.
- ➢ Complete the Series or Solve a Mathematical Problem using Python: Formulate a series or solve a problem. Series or problem will be revealed on the spot.
- ➢ Debug the Code: Identify and correct errors in a given Python code.
- ❑ Code must be original; plagiarism will result in disqualification.
- ❑ The use of mobile phones is strictly prohibited.

EVALUATION CRITERIA

Accuracy	Code Quality	Innovation	Time Taken	Presentation

EVENT COORDINATORS
Ms. Manpreet Kaur 9478621363
Mr. Chetan Saluja 9914938436

KALAM CHRONICLE

Classes: VIII-X
No. of Participants :2
Language : English
Themes:
1. The British Impact on Indian Education: A Double-Edged Sword
2. The Fate of India's Traditional Crafts in the Colonial Era
3. Echoes of Revolution: The French Uprising and Its Global Ripples
4. Revolutionary Russia: The Rise of Socialism and Its Global Impact
5. The Rise of Indian Nationalism: From Reform to Revolution
6. The Power of the Press: How Print Culture Transformed India

DETAILS

- **Time Duration: 3-4 minutes**
- **The content of the documentary must be accurate and well-researched. Use of AI is not allowed, and there should be no watermarks on the documentary.**
- **The documentary format must be MP4. Teams are required to submit a Google Drive link of their documentary no later than October 10, 2024, by 5 PM via the following link: https://forms.gle/jdSNy67zp4xU35h88**

RULES

EVALUATION CRITERIA

Originality of Content	Clarity of Content based on Theme	Creativity	Innovation	Special Effects (Video/Sound)

EVENT COORDINATORS
Ms. Vandana Sahi 7889134644
Ms. Shelly 9878895988

TEENPRENEURSHIP CHALLENGE

DETAILS

Classes: XI-XII
No. of Participants :2
Language : English

- ❑ **Each team must present an innovative business idea.**
- ❑ **The idea should be original and can be from any field.**
- ❑ **Teams are encouraged to present a prototype, if available, during their presentation.**
- ❑ **The PowerPoint presentation should have a maximum of 15 slides and may include videos, transitions, and animations.**
- ❑ **The content of the presentation must be original. Any plagiarism will result in disqualification.**
- ❑ **Each team will have 3-4 minutes to pitch their idea, followed by a Q&A session with the judges.**
- ❑ **Teams are required to submit a Google Drive link of their presentation no later than October 10, 2024, by 5 PM via the following link:**
  https://forms.gle/PcmRicq9Riqwa1kL7 .

RULES

EVALUATION CRITERIA

Originality of Idea and Prototype	Technical, Financial, and Economic Feasibility	Convincing Power and Pitch	Marketability Potential

EVENT COORDINATORS
Ms. Deeksha 8284842940
Ms. Sarita Kochar 9023245259

GENERAL GUIDELINES

❑ Registration must be done by October 04, 2024 at-
https://bcmschools.org/Home/Index

❑ A student can participate only in one event.

❑ The participants must wear white shirt and black trouser/skirt but must carry their I-cards.

❑ Reporting time at school reception -8:30am

❑ Entry will be from Gate No. 2

❑ The decision of the judges and quiz master will be final and binding.

❑ The overall winner will be declared on the basis of compiled result of all the events and will be honoured with the running trophy of Techno Fest- An Enlightened Vision.

❑ First and second runner up trophies will be awarded to overall second and third position holders.

❑ The host school will not participate in any event.

❑ The head of the institution winning the trophy will be responsible for its safe custody and will have to return the same to the host school by Oct 1, 2025

❑ Organising Secretary : Ms Madhu Sharma-9872527478, 1:00PM- 2:00PM

❑ Escort Teachers must join the Whatsapp group via following QR code

Roll of Honour

Year	Name of the School
2023	DAV Public School, BRS Nagar, Ludhiana
2022	Jesus Sacred Heart School, Ludhiana
2021	Shivalik Public School, Mohali
2020	BCM School (Basant City)
2019	Nankana Sahib Public School
2018	DAV Public School
2017	BCM Arya Model School
2016	Delhi Public School
2015	R S Model School
2014	R S Model School
2013	Sat Paul Mittal School
2012	BCM Arya Model School
2011	DAV Public School
2010	BCM Arya Model School
2009	BCM Arya Model School
2008	BCM Arya Model School