



# BCM SCHOOL

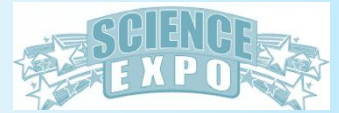
A Senior Secondary School of BCM Foundation, Affiliated to CBSE, New Delhi  
Urban Estate, Sector 32 -A, Chandigarh Road, Ludhiana

## TECHNO FEST-2023

(An Enlightened Vision)



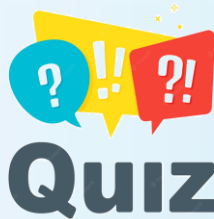
DECIPHER



CELEBRATING 93<sup>RD</sup> BIRTH ANNIVERSARY OF  
DR. APJ ABDUL KALAM

ON

14<sup>TH</sup> & 16<sup>TH</sup> OCTOBER, 2023



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www.bcmschools.org



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Esteemed Principal  
Greetings !

It is with great conviction that we affirm the profound importance of nurturing curiosity, kindling creativity, and fostering the spark of critical thinking within the impressionable minds of our young learners. In perfect harmony with this conviction, we have endeavoured to provide a platform that serves as the very key to unlocking 21st-century competencies, igniting innovative thought processes, and bestowing the gift of new knowledge upon our students. This platform acts as a conduit, harnessing the untapped technical potential of the students to elevate their educational journey to greater heights.

Our annual school event, "**Techno Fest – An Enlightened Vision**," stands as a resplendent testament to our commitment. It pays homage to the illustrious Dr. APJ Abdul Kalam, India's visionary missile man, by commemorating his birth anniversary. This two-day extravaganza is meticulously crafted to host a series of techno-inspired competitions, methodically designed to test the scientific mettle of the students and uncover their latent talents. Beyond this, it seeks to chart a course for our students' dreams, bridging their nascent aspirations with the towering visions of Dr. Kalam, ensuring that his legacy pulsates vibrantly within the hearts of our young scholars.

It brings me immense pride and joy to announce the arrival of "**Techno Fest-2023**", the **16<sup>th</sup> edition** of this illustrious event. Open to students from classes VI to XII, this grand event shall unfold within the hallowed confines of our school premises on the 14th and 16th of October 2023.

With great enthusiasm, I extend an earnest invitation to your esteemed school team to participate in this highly anticipated event. Your collaboration in facilitating your school's participation would be deeply appreciated.

**With warmest regards**

DP Guleria  
Principal  
BCM School

# Schedule of Events: At a Glance

Event	Date
Declamation Contest	14 Oct 2023
Decipher	14 Oct 2023
Science Expo	14 & 16 Oct 2023
Robothon	14 & 16 Oct 2023
Science Quiz	14 Oct 2023

*PRIZE DISTRIBUTION  
CEREMONY WILL BE ON  
16<sup>TH</sup> OCTOBER, 2023*

**SPECIAL ATTRACTIONS**

**Overall Winner: Rs. 3500 & Running Trophy**

**1<sup>st</sup> Runner Up: Rs. 2500 & 1<sup>st</sup> Runner up Trophy**

**2<sup>nd</sup> Runner Up: Rs. 2000 & 2<sup>nd</sup> Runner up Trophy**

**Event Wise Prizes –Winner, 1<sup>st</sup> Runner up & 2<sup>nd</sup> Runner up**



# DECLAMATION CONTEST

**Classes : IX- XII**

**No. of Participants : 1 (English)**

**Topics:**

- Chandrayaan 3 : India's Ambitious Lunar Mission
- The Impact of Artificial Intelligence on Society
- The Ethical Dilemmas of Genetic Engineering
- Blockchain Technology: Revolutionizing the Digital World
- The Future of Healthcare: Telemedicine and Beyond
- The Role of Robotics in Modern Industry



DETAILS

- **Time Duration: 3 to 4 minutes.** There will be a warning bell after a lapse of 3 minutes. The Speaker must wind up his/her speech as the second bell goes. The participants not adhering to the time limit will be disqualified.


- **Participants are not allowed to disclose their identity**

- **Paper reading is not allowed.**



RULES

## EVALUATION CRITERIA



Content &  
Grammatical  
Accuracy



Verbal Clarity



Confidence  
Level



Overall  
Presentation

**EVENT COORDINATOR**

**Ms. Neetu Sharma( 9855564174)**

# DECIPHER



## DETAILS

**Classes : VIII- X**  
**No. of Participants : 1**  
**Language : Python**  
**Duration :1.5 Hour**

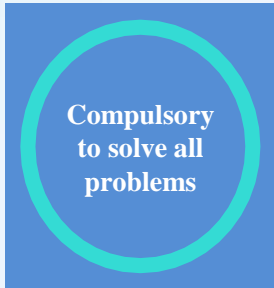


- The participants needs to use python modules and libraries.
- They will bring their own laptops and software installed.
- Only power supply will be provided by the host school.
- After completion of the program, participant has to explain the code.
- Participants shall not be allowed to use mobile or any other electronic gadgets during the event.
- There will be three problems for the participants to solve
  - a. **Decode:-** Unlock the puzzle
  - b. **Bug-Free:-** Find the errors in program to get desired output .
  - c.**Refigure:-** Solve the given pattern.

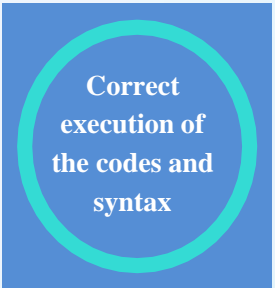


## RULES

## EVALUATION CRITERIA



Compulsory  
to solve all  
problems



Correct  
execution of  
the codes and  
syntax



Time Taken



Format of  
Display

**EVENT COORDINATOR**

**Ms. Shelly Rawla (7986687752)**

**Ms. Gurpreet Kaur (9877193540)**


 DETAILS

**Classes: VI- X**

**No. of Participants: 2**

**Topics:**

**The Projects /models should be emphasizing on the following issues/problems/sub-topics**

- Transportation and safety**
- Health and well -being.**
- Sustainable agricultural practices.**
- Space technology**
- Modification of infrastructure for electrical vehicles adoption in India.**


 RULES

- The participating team has to prepare a brief write up of model (Max. 200 words) and submit the hard copy on the day of exhibition at registration counter.**
- The host school will provide a 3x2 feet table and an electric socket. Rest of the resources like Stationery, Electric Extension, Laptop , Internet Connectivity etc along with a white cloth sheet, should be brought by participants themselves.**
- The event will be conducted in 2 rounds.**
  - a. Round 1 -Presentation & Question answer Round.**
  - b. Round 2 - Shortlisted students will present their models and again go through question answer round.**
- Students need to upload the details of model on the following link by 10th Oct, 2023 (5 pm)**  
<https://forms.gle/mZds2LyP57fhZA827>

## EVALUATION CRITERIA


 Innovation

Presentation

 Cost  
Efficiency

Originality

Principle

 Theme  
Relevancy

**EVENT COORDINATOR**

**Mr. Ravinderpal Singh ( 8566941605)**



**Classes: VIII- XII**

**No. of Participants: 1**

**Topics:**

**Each participant has to present AI based project /working model based on any of the following sub-theme.**

- Robotics
- Software / Apps (based on Social issues)
- Health /Medical
- Cleanliness



## DETAILS

- The Model /Project should be original and innovative
- The participating team has to prepare a brief write up of model (Max. 200 words) and submit the hard copy on the day of exhibition at registration counter.
- The host school will provide a 3x2 feet table and an electric socket. Rest of the resources like Stationery, Electric Extension, Laptop , Internet Connectivity etc along with a white cloth sheet, should be brought by participants themselves.
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## RULES

## EVALUATION CRITERIA



Innovation



Presentation



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Efficiency



Originality



Principle

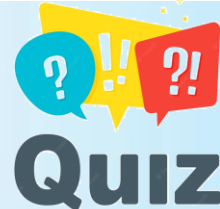


Theme  
Relevancy

**EVENT COORDINATOR**

**Mr. Ravinderpal Singh ( 8566941605)**

# SCIENCE QUIZ



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

**Themes: -**

- General Science Covering Physical & Life Sciences.**
- Space Exploration**
- Technological Advancements.**

- The quiz comprises of two levels-screening test & finale**
- Both the participants will appear in the screening test.**
- Top four shortlisted teams will participate in the final of quiz.**
- Types of questions may be covered as follows :**
  - a. Multiple choice type**
  - b. One word answer type**
  - c. Audio/ Visual based questions**





# GENERAL GUIDELINES

- ❑ Registration must be done by **October 04, 2023** 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 on both days.
- ❑ 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, 2024**
- ❑ Organising Secretary : Ms Madhu Sharma-9872527478,  
1:00PM- 2:00PM
- ❑ Event coordinator of the participating school must join the whatsapp group by using following QR code:



Scan or upload this QR code using the whatsapp camera

# Roll of Honour

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