



Delhi Public School Dwarka

Annual Fest 2019

Ignite and Axiom 2019

Friday 11th October and Saturday 12th October

GENERAL GUIDELINES.

- All schools must report by 8:00 am sharp for registration.
- The participants must carry their school Identity card with them.
- The schedule, venues and rules are subject to last minute changes.
- A student may take part in more than one event. However, it is the responsibility of the student to ensure that the timings of the events do not clash. In case of any last- minute changes in the event schedule, the host school might not be able to accommodate the student in both the events.
- All the participants must be present in their school uniform.
- The Fest comprises of IGNITE AND AXIOM (The Science and Mathematics Symposium), CORE AND ROBODEX (The Tech Symposium) and ACE AND ARTS (The Commerce and Arts Symposium).
- The Overall Winner's Trophy and the Runners Up Trophy will be awarded to the schools securing the highest and the second highest aggregate score respectively in individual symposiums.
- The decision of the judges will be final and binding.

Contact us

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IGNiTE 2019

Events at a glance.

FLUX-The Physics Club.

Onsite Events.

S.NO	Event	No. of Participants	Eligibility.
1.	Aquajet	2	IX-XII
2.	Circuitron	2	XI-XII

Online Events.

S.NO	Event	No. of Participants	Eligibility.
1.	Epsilon	5	X-XII

IONISTA-The Chemistry Club.

Onsite Events.

S.NO	Event	No. of Participants	Eligibility.
1.	GoneNuclear	2	XI-XII
2.	ChemiCon	1	XI-XII

GENESIS-The Biology Club.

Onsite Events.

S.NO	Event	No. of Participants	Eligibility.
1.	Diagnostix	2	IX-XII
2.	Time's up	2	XI-XII

Online Events.

S.NO	Event	No. of Participants	Eligibility.
1.	Incarnate	2	IX-XII

AXiOM 2019

Events at a glance.

Onsite Events.

S.NO	Event	No. of Participants	Eligibility.
1.	Mind Bender	2	VI-VIII
2.	Problem Solving	2	IX-XII

INTEGRATED EVENTS

Events at a glance

Onsite Events.

S.NO	Event	No. of Participants	Eligibility.
1.	Sherlocked?;	2	X-XII
2.	Surprise	3	X-XII
3.	Group Discussion	1	XI-XII
4.	Crossword	2	IX-XII
5.	Quiz	2	IX-XII

IGNITE 2019

Events details.

FLUX-The Physics Club.

Onsite Events.

#Aquajet

Date: Saturday, 12th October

Eligibility: IX-XII

No of Participants: 2

GENERAL GUIDELINES:

1. Participants have to build a water-propelled rocket from home, using a 2 litre water bottle. Only three rockets per team will be allowed.
2. Participants have to bring their own launchers, air pump and suitable cork as per the requirement. **No launchers will be provided by the host school.**
3. There are no restrictions on the structural design of the rocket.
4. Use of soft chemicals is allowed like soda, vinegar etc is allowed. **Use of hard chemicals will lead to disqualification.**
5. The event will consist of 2 rounds. **10 teams** will qualify for round 2.

JUDGEMENT CRITERIA:

1. **Round one** - Distance covered by the rocket.
2. **Round two**- Time of flight and Distance Covered.

#Circuitron

Date: Friday, 11th October

Eligibility: X-XII

No of Participants: 2

GENERAL GUIDELINES:

1. Participants will be required to build circuits on breadboards using components such as LEDs, Transistors etc.
2. Participants will be provided all the necessary components on the spot.
3. Participants should be well-versed with the basics of circuits and breadboards and how to interpret basic circuit diagrams.

JUDGMENT CRITERIA/ROUNDS:

1. There will be 3 rounds. Rounds will be disclosed on the day of event.
2. Participants will be judged on their interpretation of the circuits and how much time the team takes to build/debug a circuit.

Online Events.

#Epsilon

Date of submission: 8th October

Eligibility: X-XII

No of Participants: 5

GENERAL GUIDELINES:

1. Ever wondered if you could create a new world to live? Ever thought of establishing new technologies that could boost research and space exploration? Ever considered devising mechanisms that could eliminate hazardous and persistent problems which interfere in so many outer space operations? If you think about forging a good future this way then Epsilon is the event for you, which is going to test your intelligence, innovation and improvisation. You'll have to defy the odds without defying any logic.
2. Epsilon will be an online event in which you'll be provided multiple prompts concerned with topics which will require creativity, innovation and, possibly, non conventional ways of thinking.
3. The prompts will be in context with the first paragraph. You will choose one prompt from the multiple options given and then prepare a detailed and meticulous research paper of the same.
4. The teams have to mail the essential documents to **fluxdpsd@gmail.com** by 8th October 2019.

JUDGMENT CRITERIA:

1. Originality and Creativity
2. Depth of Research
3. Practicality of the Solution
4. Feasibility of Application

Topics for Epsilon.

#1 SPACE MINING

Devise a scientifically possible mining method to extract minerals and other resources from celestial bodies (Mainly Asteroids and Moon) in the interplanetary region.

Use of non conventional techniques is welcomed but you should be able to prove that your methods are practicable and realistic.

Main Objectives

- Rough diagram of the main mining automation (with dimensions).
- Comprehensive explanation of each and every aspect of the functioning mechanism. (Be innovative but not too hypothetical)
- A transportation vehicle complete with storage area for raw materials, enough room to fit your automated vehicle and adequate thrusters to match the velocity of Asteroids etc.
- Give rough estimation costing of the entire project (in USD). Give rough estimate of the cost of each and every step separately. (No need to give precise figures, keep it as simple as possible).
- The page limit of your document should not exceed 25 pages.

#2 ASTEROID CAPTURE

Devise a practical method for the process of capturing an asteroid and securing it for acceleration in space.

Be as creative as possible while remaining realistic.

Main Objectives

1. Rough sketches of the of the systems for asteroid capture and retention
2. Comprehensive explanation of each and every functional mechanism.
3. The velocity of the orbit should be matched with that of the asteroid for capture.
4. The page limit should not exceed 25 pages.
5. Give a rough estimation costing of the entire project (in USD). Give a rough estimate of the cost of each and every step separately.

GENESIS-The Biology Club.

Onsite Events.

#Time's Up!

Date: Friday, 11th October

Eligibility: XI-XII

No of Participants: 2

GENERAL GUIDELINES:

1. You might fall short of time rather than wit. In this, Time is the end of all.
2. The participants have to race against time to complete a drill of challenges, using primary biology knowledge.

JUDGEMENT CRITERIA:

1. **Round one** - The teams will have to complete a set of challenges using their primary biology knowledge and points will be awarded on the number of challenges completed and time taken to complete those tasks.
2. **Round two** - It all comes down to the final round. The qualified teams will have to complete the final challenge using their prerequisite primary biology knowledge.

#Diagnostix

Date: Saturday, 12th October

Eligibility: IX-XII

No of Participants: 2

GENERAL GUIDELINES:

The participants will have to complete challenges to acquire a set of symptoms associated with their patient and accurately diagnose the disease using basic knowledge of diseases, their respective symptoms and course of treatment.

JUDGEMENT CRITERIA:

1. Accuracy of diagnosis
2. Time taken to complete the tasks.

Online Events.

#Incarnate

Date:

Eligibility:IX-XII

No of Participants: 2

GENERAL GUIDELINES:

1. Teams have to propose modifications in the physiology of an organism to ensure its adaptation to changing ecology.
2. Thesis to be presented through power point (not more than 10 slides) with explanation to support one's argument.
3. The teams have to send a mail , mentioning the school name along with the names of the participants to **genesisdpsd@gmail.com** latest by 5th September to get prompt.

JUDGEMENT CRITERIA:

1. Originality
2. Creativity
3. Quality of Presentation
4. Practicality of the proposed modifications
5. Feasibility of the application

IONISTA-The Chemistry Club.

Onsite Events.

#ChemiCon

Date: Friday, 11th October

Eligibility: XI-XII

No of Participants: 1

GENERAL GUIDELINES:

1. Participants will create a comic strip depicting the history, concept and basis of a particular theory in chemistry.
2. Topics for the same will be revealed on the day of event.

JUDGEMENT CRITERIA:

1. Interpretation and clarity of the theory to the viewer- which includes relevance of caricature to the topic.
2. Extra knowledge on the given topic showcased through caricature will be appreciated.
3. Creativity and originality of the depicted theme
4. Presentation- quality of artistic composition.
5. Color scheme used by the participant.

#GoneNuclear

Date: Saturday, 12th October

Eligibility: XI-XII

No of Participants: 2

GENERAL GUIDELINES:

1. The schools will be divided into two groups.
2. One team (representing a school) from each group faces another team in a face-off as the curator reads the question from the game board.
3. The team that buzzes in the correct answer, receives the control of the board.
4. The team that now has control tries to reveal all the correct answers to the question before receiving 3 strikes.
5. If the team receives 3 strikes without clearing the board, the control is passed to the opposite team.
6. The team that now has the control shall give the correct answer to the question, if the answer is correct, points will be added to the group's score. If not, the opponent gets the points.
7. Points will be collected as each team finds the answers to the different questions on the board.
8. In the end, the team with the maximum points will qualify for the next round.

JUDGING CRITERIA:

1. The teams will be scored on the number of questions they clear off the board.
2. Judging criteria of the final round to be disclosed on the day of event.

AXIOM 2019

Event Details

#Mind Bender

Date: Friday, 11th October

Eligibility: VI-VIII

No of Participants: 2(from different classes)

GENERAL GUIDELINES:

The event consists of logic based problems which require critical thinking, visualization and optimization.

#Problem Solving

Date: Friday, 11th October

Eligibility: IX-XII

No of Participants: 2(from different classes)

GENERAL GUIDELINES:

The participants will be given a set of questions from number theory, algebra, geometry, etc. Students are required to solve the problems in a creative manner.

INTEGRATED EVENTS

Event Details

Onsite Events

#Crossword

Date : Friday, 11th October (Prelims) , Saturday, 12th October (Finals)

Eligibility: IX-XII

No. of Participants : 2

GENERAL GUIDELINES:

1. There will be two rounds for the crossword , first the elimination round and the final round.
2. 6 teams will qualify for the final round.
3. Participants should bring their own writing clipboard and pens.

JUDGMENT CRITERIA:

1. Number of correct answers

#Quiz(Senior)

Date: Friday, 11th October (Prelims), Saturday, 12th October (Finals)

Eligibility : IX-XII

No. of Participants : 2

GENERAL GUIDELINES:

1. There will be two rounds for the quiz, first the elimination round and the final round.
2. The questions would be based on current affairs, technology, commerce, science and popular culture.
3. 6 teams will qualify for the final round.
4. Participants should bring their own writing clipboard and pens.

JUDGMENT CRITERIA:

1. Number of correct answers

#Surprise?

Date: Friday, 11th October

Eligibility : X-XII

No. of Participants : 3

GENERAL GUIDELINES:

Expect the unexpected!

JUDGMENT CRITERIA:

Don't know ourselves TBH :(

#Group Discussion

Date: Saturday, 12th October

Eligibility : XI-XII

No. of Participants : 1

GENERAL GUIDELINES:

Let's talk Science and Tech. The event will be held in a 2 tier process – a preliminary round followed by the final round.

2. Participants will be given topics related to any domain of science, technology and commerce.

3. The format of the Group Discussion and the topics will be disclosed on the day of the event.

JUDGMENT CRITERIA:

To be disclosed on the day of event.

#SHERlocked

Date: Saturday, 12th October

Eligibility : X-XII

No. of Participants : 2

GENERAL GUIDELINES:

Intellects will be challenged. Mettles will be tested. Mysteries will be uncovered. But when the dust settles, logic will prevail.

2. Mystery abounds where most we seek for answers. But what's the point of being clever, if you can't prove it?

3. **REDNOW UOY EROM EHT, LAEVER OUY SSEL EHT** – It's a scavenger hunt in short...

The game is on.

JUDGMENT CRITERIA:

To be disclosed on the day of event.

Points Tally.

For Overall and Runners up.

IGNITE AND AXIOM 2019.

Event	1st Position	2nd Position	3rd Position
Aquajet	100	80	60
Circuitron	100	80	60
Time's up	100	80	60
Diagnostix	100	80	60
GoneNuclear	100	80	60
ChemiCon	100	80	60
Sherlocked	100	80	60
Mind Bender	100	80	60
Problem Solving	100	80	60
Crossword	120	100	80
Quiz	120	100	80
Group Discussion	120	100	80
Surprise	120	100	80

