



Delhi Public School Dwarka

CORE 12 AND ROBODEX 9

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 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 all events.
- The decision of the judges will be final and binding.

Contact us

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Teacher Coordinators.

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Student Coordinators.

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CORE 12

#OBSESSEDYET?

HACKATHON

Day: Friday, 11th October and Saturday 12th October

No of participants: 4

Eligibility: Open

General Guidelines:

1. Creativity. Enough Said.
2. All Entries should be sent to mail@coreis.us
3. This event has an online preliminary round. Topic and submission deadline will be announced at coreis.us/hackathon
4. 6-8 teams will qualify for the onsite event.
5. Use of plugins and presets is allowed.
6. Any plagiarism will not be entertained.
7. All required softwares will be provided on site. Students are encouraged to bring their own systems.
8. All video components to be uploaded to YouTube or Vimeo.
9. Rest of the components to be uploaded to Dropbox, Google Drive, or any other cloud hosting service. Components can also be uploaded to Github.

Judgement criteria:

- Creativity
- Relevance to the topic
- Functionality
- Aesthetic appeal
- Innovation

GAMING

Day: Friday, 11th October and Saturday 12th October

No of participants: 2

Eligibility: Open

General Guidelines :

1. Every team is allowed to bring their own mouse, keyboard and headphones.
2. The event will be conducted on multiple platforms, TBD.
3. The gaming round will not be delayed by the absence of any team; all teams are required to report to the venue on time.

Judgement Criteria:

- Round based elimination.

SURPRISE?

Day: Friday, 11th October

No of participants: 2

Eligibility: Open

General Guidelines:

1. The event is in collaboration with **IGNITE**- The Science Society of DPS Dwarka.
2. **Expect the unexpected.**

CROSSWORD

Day: Friday, 11th October and Saturday 12th October

No of participants: 2 teams of 2

Eligibility: Open

General Guidelines:

1. Conventional crossword based on cryptic clues will be given. The event is in collaboration with **IGNITE**- The Science Society of DPS Dwarka.
2. There will be 2 rounds – Preliminary and Final
3. Top 6-8 teams will qualify for the final round.

Judgment Criteria:

- Correct answers
- Spellings

QUIZ

Day: Friday, 11th October and Saturday 12th October

No of participants: 2 teams of 2

Eligibility: Open

General Guidelines:

1. The event is in collaboration with **IGNITE**- The Science Society of DPS Dwarka.
2. Top 6-8 teams will qualify for the final round.

Judgment Criteria:

- Correct answers

PROGRAMMING

Day: Saturday 12th October

No of participants: 2

Eligibility: Open

General Guidelines:

1. **#include <RDP.h>**

void pro()

{

int level = 68;

level++;

}

2. This event has an online preliminary round. Problem set and date of preliminary round to be announced at [**coreis.us/prog**](http://coreis.us/prog).

3. 6-8 teams will qualify for the onsite event.

4. Languages allowed - C, C++, Python, JAVA and PASCAL.

5. All participants are required to bring their own devices for the onsite round.

Judgement criteria:

Problem Solving

WATSON

Day: Saturday 12th October

No of participants: 1

Eligibility: IX-XII

General Guidelines:

1. **Research, is the very heart of computing.**
2. This event has an online preliminary round. The deadline for the preliminary submission and the topic to be announced at coreis.us/watson.
3. 6-8 teams will qualify for the onsite event.
4. Entries to be mailed to mail@coreis.us
5. Onsite round will consist of pitching.

Judgement criteria:

- Innovation
- Feasibility
- Idea
- Functionality
- Datasets used(if any)

GROUP DISCUSSION

Day: Saturday 12th October

No of participants: 1

Eligibility: IX-XII

General Guidelines:

1. The event is in collaboration with **IGNITE**- The Science Society of DPS Dwarka. 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.

Judgement Criteria:

To be disclosed on the day of event.

PHOTOGRAPHY

Day: Friday, 11th October

No of participants: 2

Eligibility: Open

General Guidelines:

1. Students must carry their own cameras, tripods and other equipments if necessary.
2. Topics to each team will be given on the spot.
4. Only in-camera editing is allowed. Use of any editing software would result in immediate disqualification.
5. Only 1 team can participate per school.

enCORE

Day: Tuesday, 8th October to Wednesday, 9th October

No of participants: Team event

Eligibility: Open

General Guidelines :

1. The event goes live at 8:00 am on Tuesday, 8th October and will end at 11:59 pm on Wednesday, 9th October 2019.
2. Online Capture The Flag event.
3. Event and rules will be announced on en.coreis.us

ROBODEX 9

ROBOWARS

Day:Friday, 11th October

No of participants: 2

Eligibility: VI-XII

General Guidelines:

1. Robots can have any kind of magnetic weapons, cutters, saws, pushing mechanisms, etc.
2. If your bot is wireless, we cannot guarantee availability of frequencies.
3. Use of fire or any combustible substance is strictly prohibited.
4. Weight – Maximum 15 kg
5. Dimensions – Maximum 30 cm x 30 cm x 30 cm
6. Voltage – Maximum 24 V
7. Length of wire – Minimum 5 m
8. Availability of extension boards are not guaranteed, so please bring your own extension boards.

Judgement Criteria:

- If any two wheels of the bot go out of the arena then, the opponent team will straight away declared as the winner of the match.
- If the bot does not show any movement in the arena for 15 seconds, the bot will be considered as knocked out and the opponent team will be declared as the winner of the match.

BEG BORROW STEAL

Day:Friday, 11th October

No of participants: 4

Eligibility: Open

General Guidelines:

- 1.Each team will be required to bring 2 bots.
- 2.They will be provided with a defined area in which some objects will be scattered/ spread.
3. 2 to 4 teams will be placed in the arena with a defined area for each team.
4. The teams have to collect as many objects as possible into their area in the given time.
5. They can even snatch/ steal objects from others.
- 6.The team with maximum no. of objects at the end of the time period will be declared the winner.

Bot Specifications:

- The bots can wired or wireless.
- If your bot is wireless, we can't guarantee availability of frequencies.
- Length of the wire should not be less than 3 meters (if wired)
- Bot dimensions should not exceed the maximum of 30 x 30 x 30 cm.
- Maximum voltage supply- 24V
- Max Weight- 6kgs combined.
- There will be negative marking if the bots perform any foul during the run.
- The decision of the judges will be final and binding.

ROBO RACE

Day: Saturday, 12th October

No of participants: 2

Eligibility: Open

General Guidelines:

1. Each team will be required to bring 1 bot.
2. The teams have to traverse through the various terrains and obstacles.
3. The team with the minimum time period will be declared the winner.

Bot Specifications:

- The bots can be wired or wireless.
- If your bot is wireless, we can't guarantee availability of frequencies.
- Length of the wire should not be less than 3 meters (if wired)
- Bot dimensions should not exceed the maximum of 30 x 30 x 30 cm.
- Maximum voltage supply- 24V
- Max Weight- 2kg.

ROBO SOCCER

Day: Saturday, 12th October

No of participants: 4

Eligibility: Open

General Guidelines:

1. Each team will be required to bring 2 bots.
2. Table Tennis ball will be used in the match.
3. The teams have to score as many goals as possible against each other within the given time.
4. Harming the bot intentionally will lead to disqualification.
5. The team with maximum no. of goals at the end of the time period will be declared the winner.

Bot Specifications:

- The bots can be wired or wireless.
- If your bot is wireless, we can't guarantee availability of frequencies.
- Length of the wire should not be less than 3 meters (if wired)
- Bot dimensions should not exceed the maximum of 30 x 30 x 30 cm.
- Maximum voltage supply- 24V
- Max Weight- 6kgs combined.

Points Tally

For Overall and Runners up.

Event	1st Position	2nd Position	3rd Position
CORE 12			
Hackathon	200	150	100
enCORE	200	150	100
Watson	125	100	75
Gaming	100	75	50
Surprise	100	75	50
Crossword	100	75	50
Quiz	100	75	50
Programming	100	75	50
Photography	100	75	50
GD	100	75	50
ROBODEX 9			
Robowars	100	75	50
BBS	100	75	50
Robo Race	100	75	50
Robo Soccer	100	75	50