



**MOUNT CARMEL SCHOOL**  
**DWARKA**

presents

# Techfest **HAYWIRE** 3.0

17<sup>th</sup>, 18<sup>th</sup> &  
19<sup>th</sup> July, 2020

# RULES & REGULATIONS

- ✓ For registration visit our website <https://www.haywire.in>.
- ✓ Online registration will close on **6<sup>th</sup> July, 2020**.
- ✓ To facilitate smooth communication, updates and inquiries, the Teacher In-charge from your school will be added to a WhatsApp group, after the registrations are completed.
- ✓ Decision of the judges will be final and binding.
- ✓ Updates about the events of Tech Symposium will be uploaded on our website and Instagram page.
- ✓ Plagiarism will lead to instant disqualification of the team.
- ✓ Results of the Preliminary round will be declared by **16<sup>th</sup> July, 2020 @ 6.00 pm** on our website.
- ✓ Final results will be declared on **19<sup>th</sup> July, 2020 @ 6.00 pm** on our website <https://www.haywire.in>.

# Hackathon

**Classes:** 9 to 12

**No. of Teams:** 1

**No. of Participants per team:** 2

**Theme:** Innovation

**Contact:** [hackathon@haywire.in](mailto:hackathon@haywire.in)

## Prompt:

After the COVID-19 pandemic, things have changed a lot. The new normal is setting in. Some businesses have started flourishing but many have lost their value. While some doors have been shut, new pathways have also opened up. We give you the liberty to choose what happens in the post-pandemic world and hack revolutionary ideas that will transform the future of this planet.

## Rules:

- Hack should revolve around the provided prompt. Hacks that include elements of **AI** will be given extra points.
- Hack must include a presentation describing it and a website. It may also include a video/trailer, 3D model or app (more = better).
- The subject line should be 'hackathon\_schoolname' and file name must be the school name of the participating team.
- Teams have to submit their hacks in a zip folder by **12<sup>th</sup> July, 2020** to our email id- [hackathon@haywire.in](mailto:hackathon@haywire.in)
- Final result will be uploaded on our website on **19<sup>th</sup> July, 2020**.

## Judgement Criteria:

- Aesthetics
- Creativity and Innovation
- Objective
- Professionalism

## Event Heads:

- Laksshay Sehrawat- +91 9650352311 (WhatsApp only)
- Shrey Arora - +91 81304 47541

# Jr. Techies

**Classes:** 6 to 8

**No. of Teams:** 1

**No. of Participants per team:** 1

**Platform:** Scratch 3.0 (Offline Editor)

**Contact:** [jrtechies@haywire.in](mailto:jrtechies@haywire.in)

## Rules:

- The project is to be developed on Scratch 3.0 Offline Editor.
- Create a Jingle/Advertisement for “**Immunity Boosting Health Drink**”.
- Duration of the project should be 40 seconds to 1 minute.
- Entries should be mailed to [jrtechies@haywire.in](mailto:jrtechies@haywire.in) in a zip file by **11<sup>th</sup> July, 2020**.
- The subject line should be ‘scratchadv\_t\_schoolname’ and file name must be the participating school name.
- Hand drawn sprites and costumes will get extra points.
- It should also have relevant music/sound.
- Audio files should be sent along with the Scratch file.
- Final result will be uploaded on our website on **19<sup>th</sup> July, 2020**.

## Judgement Criteria:

- Relevance to the topic
- Innovation
- Technical knowledge
- Imagination

## Event Heads:

- Sehajdeep - 96541 80132
- Pratyusha Kumar - 8800122603

# Algorithm Unlock

**Classes:** 11 and 12

**No. of Teams:** 1

**No. of Participants per team:** 1

**Platform:** Hackerrank

**Languages:** C/C++, Python 2/3

**Contact:** [prog@haywire.in](mailto:prog@haywire.in)

## Rules:

- A preliminary round will be conducted on [Hackerrank](#) on **15<sup>th</sup> July, 2020** from **8:00pm to 9:30pm**
- The details for the preliminary round will be uploaded on [haywire.in](#) and Instagram page.
- Result of the prelims will be uploaded on the website on **16<sup>th</sup> July, 2020**.
- Top 8 teams will be selected from the preliminaries to participate in the final round, which will be conducted on [Hackerrank](#) on **18<sup>th</sup> July, 2020** from **8:00pm to 9:30pm**.
- Final result will be uploaded on our website on **19<sup>th</sup> July, 2020**.

## Judgement Criteria:

- Number of programs completed
- Number of test cases completed per program
- Time taken to complete the program

## Event Heads:

- Varun Khantwal - 80760 98763
- Palash Goyal - 98188 77581

# App Matrix

**Classes:** Open

**No. of Teams:** 1

**No. of Participants per team:** 2

**Platform:** Any (eg. MIT App Inventor, Android Studio etc)

**Contact:** [apkdev@haywire.in](mailto:apkdev@haywire.in)

## Prompt:

Create an app that will help in improving the efficiency of the Indian education system so as to help the students of our nation imbibe effective learning outcomes.

## Rules:

- Each team has to make an Android app along with a presentation and video describing the same.
- Teams have to submit their data files in a zip folder which should include source code, video and the apk version of the app in the format “apkdev\_schoolname” and mail to [apkdev@haywire.in](mailto:apkdev@haywire.in).
- The last date to submit the zip files is **13<sup>th</sup> July, 2020**.
- The code must not be extracted from any online or offline source.
- Prelim result will be uploaded on our website on **16<sup>th</sup> July, 2020**.
- Top 8 teams will be selected for finals to be conducted on **19<sup>th</sup> July, 2020 @11am** on Zoom.
- WhatsApp group of the selected finalists will be formed. Zoom ids will be shared 10 minutes prior to the event in the group.
- The finalists are requested to download NOX/BlueStacks Emulator on their Laptops/PCs.
- The maximum limit for introduction video is 2 minutes.
- Selected teams will present their app to the judges in the final round.
- Duration is 5 minutes per team for presentation followed by a question-answer round.
- Final result will be uploaded on our website on **19<sup>th</sup> July, 2020**.

## Judgement Criteria:

- |               |                      |
|---------------|----------------------|
| • Creativity  | • Presentation/Video |
| • Originality | • Source code        |

## Event Heads:

- |                             |                                |
|-----------------------------|--------------------------------|
| • Ansh Vashist – 9811356770 | • Dhruv Srivastava- 9599445900 |
|-----------------------------|--------------------------------|

# Think Bots

**Classes:** 6 to 8

**No. of Teams per school:** 1

**No. of Participants per team:** 1

**Platform: Prelims:** Zoom + Google Form

**Finals:** Zoom

**Contact:** [jrquiz@haywire.in](mailto:jrquiz@haywire.in)

## Rules:

### Prelims:

- The prelims will be held on **13<sup>th</sup> July, 2020** from **11:00 am to 11:20 am**
- The link for quiz and Zoom id will be provided in the WhatsApp group for quiz participants, which will be formed after the registration.
- Students need 2 devices, from one device they will be monitored on zoom and from the other they will open the quiz link. The device must be placed on either side of the participant, in such a way that it captures the hands, face and the device on which the quiz is being attempted.
- The prelims will start at 11.00 am but it is requested that the participants join 10 minutes prior to the specified time.
- There will be 20 questions in all and time allotted will be 20 minutes which means 1 minute will be given for reading and answering the questions.
- Questions will be objective type with MCQ, One word and Fill in the Blanks.
- Result of the prelims will be uploaded on the website on **15<sup>th</sup> July, 2020**.
- Top 6 teams will be selected for competing in the finals to be held on **17<sup>th</sup> July, 2020** on Zoom.

### Finals:

- The finals will be held on zoom on **17<sup>th</sup> July, 2020 @11:00 am** where the short-listed participants and the Quiz Master will be present.
- The meeting ID and password for joining the zoom meeting would be provided in the WhatsApp group(only finalists will remain in the WhatsApp group after prelim result are declared).

- The participants of the final round are required to keep their camera on and their hands should be visible for monitoring.
- The name of the participant in the Zoom meeting should be in the format “Name – School”
  - For example: ‘Rahul-MCS DW’.
- Each participant will be asked 5 questions.
- Each question will carry 10 points and each participant will be given two chances.
  - If he/she answers correctly in the first attempt 10 points would be awarded to him/her.
  - If the student takes the second try and answers correctly he/she will be awarded 5 points.
- Final result will be uploaded on our website on **19<sup>th</sup> July, 2020**.

## **Judgement Criteria:**

- Awareness of the Subject
- Promptness in Response

## **Event Heads:**

- Isha Dhull - 93100 37755
- Swastik Baranwal- 9810461610



# coDcode

**Classes:** 9 to 12

**No. of Teams:** 1

**No. of Participants per team:** 1

**Contact:** [codecode@haywire.in](mailto:codecode@haywire.in)

## Rules:

- The name of the event says it all.
- **Prelims:-** An audio file will be uploaded on [haywire.in](http://haywire.in) by **8<sup>th</sup> July, 2020**. You know what follows next.
- The audio file will be the path to your answers and we- the direction pointers.
- Your queries, discoveries and failures will be determined and resolved on the Instagram handle of Haywire.
- **BEWARE:** The facts and numbers must point to **the answer** because that will be your gateway to the final round.
- Teams will get only 5 chances to find the correct answer.
- The prelim round will end as soon as 5 teams reach the answer.
- The announcement will be made on [haywire.in](http://haywire.in) as well as social pages. This means friend time or it may befriend you
- **FINAL:-** Mist and uncertainty on **17<sup>th</sup> July, 2020**.
- It is a single winner event.
- Final result will be uploaded on our website on **19<sup>th</sup> July, 2020**.

## Judgement Criteria:

- Time taken
- No. of exploits found

## Event Heads:

- Garvit Sobti - 8375862417
- Arjun Nain - 9899457434

# Cryptic Hunt

**Classes:** Open

**No. of Teams:** 1

**No. of Participants per team:** infinite, 1 leader

**Platform:** website, Discord server

**Languages:** English, Gallifreyan

**Contact:** [cryptic@haywire.in](mailto:cryptic@haywire.in)

## Rules:

- Participants will have to solve as many cryptic puzzles as possible.
- The internet is your companion.
- THE ANSWER IS 42, BUT DO YOU KNOW THE QUESTION?
- The event runs for 24 hours starting from **13<sup>th</sup> July, 2020 @12 noon** to **14<sup>th</sup> July, 2020 @12 noon**.
- URL and credentials will be sent to the school team leader on mail.
- Updates and hints will be posted on [haywire.in](https://haywire.in) and also on our Instagram handle.
- It is a single winner event.
- Final result will be uploaded on our website on **19<sup>th</sup> July, 2020**.

## Judgement Criteria:

- Time based

## Event Heads:

- Shrey Arora - 8130447541
- Arul Ahluwalia - 9650127575

# Beyond The Limits

## Gaming

**Classes:** 9 to 12

**No. of Teams:** 1

**No. of Participants per team:** 1

**Platform:** Haywire Gaming Discord Server <https://discord.gg/rNqrYqC>

**Games:**

- Counter Strike : Global Offensive
- Brawlhalla
- Valorant

Note: There will be a surprise game.

**Contact:** [gaming@haywire.in](mailto:gaming@haywire.in)

### Rules:

- Prelims will be conducted on **14<sup>th</sup> July, 2020 from 10.30 am to 1.00 pm.**
- Result of the prelims will be uploaded on [haywire.in](http://haywire.in) on **16<sup>th</sup> July, 2020.**
- Top 8 teams will qualify for the finals.
- Players must record their matches from their point of view. When requested, they must send these recordings without any editing to the Haywire Gaming event Heads, should be notified in case of technical issues.
- Use of any unfair means will result in an instant disqualification for the team.
- If a player gets disconnected, failure to reconnect within 5 minutes to the gaming platform will result in the opponent team winning the match. The Haywire gaming team should be notified in case of technical issues.
- Final round will be conducted on **18<sup>th</sup> July, 2020 from 10.30 am to 1.00 pm.**
- Further information will be provided on the Discord Server.
- Final result will be uploaded on our website on **19<sup>th</sup> July, 2020.**

### Judgement Criteria:

- Gaming skills
- Teamwork

### Event Heads:

- Rishav Kumar : +91-8210426351
- Vaibhav Khanna : +91-99716 52598

# Memetics

**Classes:** 6 to 12

**Theme:** Open

**No. of Teams:** Upto 3

**No. of Participants per team:** 1

**Platform:** Haywire [subreddit](#)

**Contact:** [memetics@haywire.in](mailto:memetics@haywire.in)

## Rules:

- The participating teams shall post an authentic meme along with the participant's name and school's name mentioned clearly (preferably on the lower right corner).
- Single meme per team is allowed.
- All memes are to be uploaded at **subreddit r/HWMTS** (<https://www.reddit.com/r/HWMTS/>). The Sub-reddit will go live on **15<sup>th</sup> July, 2020@ 12:00 noon** and will be closed for posting on **16<sup>th</sup> July, 2020@ 12:00 noon**.
- It is a single winner event.
- Plagiarizing or using derogatory remarks against caste, creed, race and individual personality will lead to disqualification of participating teams. Political, religious and controversial topics are also not allowed.
- Updates of the event can be checked at [subreddit r/HWMTS](#).
- Final result will be uploaded on our website on **19<sup>th</sup> July, 2020**.

## Judgement Criteria:

- Originality
- Multi-layered approach
- Aesthetics
- Relatable references

## Event Heads:

- Jidaan Dahiya - +91 9407141595 (WhatsApp only)
- Swapnil Tyagi - +91 7065652209

# Web Warriors

**Classes:** 9 to 12

**No. Of Teams:** 1

**No. of Participants per team:** 2

**Softwares:** Sublime Text 3, Google Chrome, Adobe Photoshop and Illustrator

**Languages:** HTML, CSS, JS, JQuery

**Contact:** [webd@haywire.in](mailto:webd@haywire.in)

## Prompt:

The year is 2100 and Elon Musk has been successful in creating the Mars Colony and transporting 1/3<sup>rd</sup> of the population to Mars. You are a private company pitching your fast- food chain to none other than SpaceX. This venture could turn your business world upside down.

**Remember:-** Fast-food chains rely on online orders therefore you have to give the Martians a good menu to respond to. You can take the website to any level: from drive-thru to delivery to imagination.

## RULES:

- Build an impressive website reinventing the fast-food system on Mars.
- Students have to design a website using the above prompt. The basic website should contain a menu along with the “**About Us**” and “**How We Work**” pages.
- The website should be based on the theme following proper colour scheme and typography.
- This is a designing competition therefore no points will be awarded for the backend. We will appreciate self-made graphics of the space burger and original content.
- The website along with all data is to be zipped with filename format “webd\_schoolname” and sent to [webd@haywire.in](mailto:webd@haywire.in) by **13<sup>th</sup> July, 2020**.
- Extra points will be awarded for hosting the site on GitHub Pages or a Domain.
- You must mail the data folder along with the web address for the hosted site.
- Final result will be uploaded on our website on **19<sup>th</sup> July, 2020**.

## Judgement Criteria:

- User friendliness
- Originality
- Relevance to topic
- Graphics

## Event Heads:

- Devanshu Sinha - 9654479867
- Lakshay Lakra – 8076119530

# Let's Slide!

**Classes:** 4 to 6

**No. of Teams:** 1

**No. of Participants per team:** 1

**Contact:** [letsslide@haywire.in](mailto:letsslide@haywire.in)

## **Rules:**

- Prepare a PowerPoint presentation on the topic:

### **Space Tourism: When will it be a reality?**

- The presentation can have a maximum of 8-10 slides.
- Software to be used – MS-PowerPoint.
- Participants are allowed to use images, sound and small video clips from the Internet.
- Participants must send the **pptx file** as well as the **wmv / mp4 file** (video file of their presentation) through e-mail.
- Entries should be mailed to [letsslide@haywire.in](mailto:letsslide@haywire.in) in a zip file by **11<sup>th</sup> July, 2020**.
- The subject line should be 'presentation\_schoolname' and file name must be schoolname\_participantname.
- Final result will be uploaded on our website on **19<sup>th</sup> July, 2020**.

## **Judgement Criteria:**

- Relevance to the topic
- Originality
- Technical Skills
- Creativity

## **Event Heads:**

- Chehek Parashar - (9650605762-WhatsApp only)
- Kavya Singh - (9873003968 –WhatsApp only)

# Breaking Barriers

## Console Gaming

**Classes:** 9 to 12

**No. of Teams:** 1

**No. of Participants per team:** 1

**Platform:** PlayStation 4 and Xbox One

**Contact:** [console@haywire.in](mailto:console@haywire.in)

**Games:** Paladins (Prelims) and Fortnite (Finals)

### Rules:

- Prelims will be conducted on **13<sup>th</sup> July, 2020 @ 8.00 pm.**
- The participants must download the above mentioned games before the event.
- Join the Console Gaming Discord Server <https://discord.gg/pgGABkv> beforehand.
- The timings and rules will be provided on the Discord Server.
- Winners of preliminary round will qualify for the final round.
- Result of the prelims will be uploaded on [haywire.in](http://haywire.in) by **15<sup>th</sup> July, 2020.**
- Players are required to send a screenshot of the final score as soon as the match ends.
- If a player disconnects and doesn't return within 5 minutes to the gaming platform, will result in immediate disqualification.
- Final round will be conducted on **17<sup>th</sup> July, 2020 @ 8.00 pm.**
- Further queries will be resolved on the Discord Server.
- Final result will be uploaded on our website on **19<sup>th</sup> July, 2020.**

### Judgement Criteria:

- Gaming Skills
- k/d Ratio
- Kill Streaks

### Event Heads:

- Kshitij Agarwal - 9560189316
- Sagar Warriar – 8920236928

# Quiz Enigma

**Classes:** 9 to 12

**No. of Teams:** 1

**No. of Participants per team:** 1

**Platform:** Prelims: Zoom+exam.net

Finals: Zoom

**Contact:** [srquiz@haywire.in](mailto:srquiz@haywire.in)

## Rules:

### Prelims:

- The prelims will be held on exam.net on **14<sup>th</sup> July, 2020** from **12:00 noon to 12:30 pm**
- The exam key for entering the quiz on exam.net and Zoom id will be provided in the WhatsApp group of quiz participants, which will be formed after the registration.
- Students need 2 devices, from one device they will be monitored on zoom and from the other they will open the quiz link. The device must be placed on either side of the participant, in such a way that it captures your hands, face and the device on which the quiz is being attempted.
- The prelims will start at 12:00 noon. Participants must join 15 minutes prior to the specified time for filling their respective details.
- There will be 20 questions in all and time allotted will be 30 minutes.
- Questions will be subjective with one word answer or a sentence.
- Result of the prelims will be uploaded to the website on **16<sup>th</sup> July, 2020**.
- Top 6 teams will be selected for competing in the finals to be held on **19<sup>th</sup> July, 2020** on Zoom.

### Finals:

The finals will be held on zoom on **19<sup>th</sup> July, 2020 @ 1.00 pm** where the short-listed participants and the Quiz Master will be present.



- The meeting ID and password for joining the zoom meeting will be provided in the WhatsApp group.
- The participants are required to keep their camera on and their hands should be visible for monitoring.
- The name of the participant in the Zoom should be in the format “Name – School”
  - For example: ‘Rahul-MCS DW’.
- In finals there will be 2 rounds.
- In round 1 there will be total 18 questions and each team will get 3 questions to answer.
- Round 2 will be an Audio Visual Round.
- Final result will be uploaded on our website on **19<sup>th</sup> July, 2020**.

## **Judgement Criteria:**

- Awareness of the Subject
- Promptness in Response

## **Event Heads**

- Yash Gautam (7290972390)
- Saarthak Pant (9599712263)