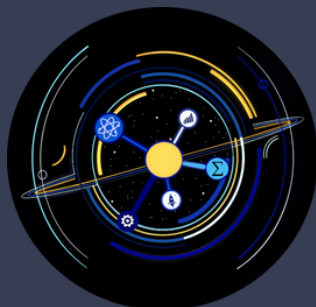


ERROR 404

STUDY GUIDE



“It’s not about how much we’ve lost, it’s about how much we have left”

Out on a business trip to test weaponry in the Great Basin, you encounter a devastating error. One of your test rockets rebound, wiping out your entire team and you wind up being abducted by a callous, cash-hungry terrorist organisation roaming the sandy plains – The 404 Order.

As you awaken in a hidden cave, you must survive interrogation, propose a cash-cow invention, and solve a vigorous code to escape. Do you have enough left in you to win another chance at life?

General Guidelines/rules: The mode of communication for the category throughout will be Whatsapp. For round 1 delegates will neither be allowed to use any open source website design programs or their personal devices. For round 2, delegates must email their presentations at least one hour before the round begins to the email that will be provided on WhatsApp AND bring a downloaded copy on a USB. For round 3, the usage of personal devices will not be allowed (includes mobile phones, laptops, touchpads etc..)

Round 1: The Interrogation

Delegate Limit: 2

Duration: 2 hours

Round Description: Awakening in a dimly lit interrogation chamber, you face a lone monitor. It lights up, presenting a challenge: dive into HTML and craft a website. Your HTML skills are the key to decoding this challenge and stepping closer to freedom. Your website will be a plea for survival in the face of the Order 404's judgement. Do you have what it takes to satiate them?

Note: The theme for the website to be designed will be disclosed on the day of the category.

Delegates must be acquainted with:

- Adobe Dreamweaver CC
- Adobe Photoshop
- Adobe Illustrator

Round 2: The Devil's Prodigy

Delegate Limit: 3

Duration: 3 hours

Round Description: In an unexpected turn of events, your captors offer you an opportunity, a chance for you to demonstrate your ingenuity and worth. Delegates will have the opportunity to choose from 5 existing technologies. The mission is clear: take one and propel it into the future, ensuring it not only boasts technological advancement but also holds significant economic potential. The Order 404, your captors, must see enough value in your proposition to grant you another day of life.

The time duration for each presentation will be 5 minutes. As they embark on this challenge, delegates must draw inspiration from one of their favourite movies to aid in their design (clear references must be shown to this movie). Delegates must also include an animation in their presentation to provide a visual representation of their design.

Delegates must be acquainted with:

- Presentation software (eg. Microsoft PowerPoint, Google Slides, Canva etc)
- Animation software (eg. Adobe Animate)

Round 3: Code Breakout - The Python Conundrum (Escape Order 404)

Delegate Limit: 3

Time Duration: 3 hours

Round Description: Finding themselves trapped within the sinister 404 Order's hidden cave, participants must now face the final challenge: The Python Conundrum. Within this treacherous cave lies the Enigma Gateway – a mysterious portal that transports participants into the dark heart of the Cipher Stronghold and the ultimate barrier erected by the 404 Order. To escape this labyrinth, participants must unravel Python-related coding challenges, the solution of each enabling them to gain access to the location of the next one. All participants will be given a riddle to start and solving this riddle will give them the prompt of the code to be designed. They will have to write a python program (no other language is allowed) based on this prompt. The output of each will be the

passcode that will enable participants to gain access to the passcode to access the next riddle. With each successive challenge that they solve, the participants get one step closer to freedom. In this race against time (and each other), who will emerge victorious and lead the team to freedom? Only time will tell.

Delegates must be acquainted with:

- Visual Studio Code and/or Pycharm
- The Cambridge International AS and A Levels Computer Science (9618) Syllabus for examination in 2024-2025 - Topics covered in Paper 4

Disclaimer: All the rules mentioned above are preliminary and may be subject to change at the day of the event. The decision of heads is final.

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