

ساي فيست دبي

**SciFest Dubai 2023**

You don't have to be a scientist to love science.



# About SciFest Dubai

SciFest Dubai is a platform to promote creativity, critical thinking, innovation, and STEAM education. In addition to organising an annual Science Festival, SciFest also promotes the public understanding of science through numerous workshops, thinktanks, projects, conferences, community initiatives, podcasts, and radio shows.

Our aim is to infuse among the general public a sense of awe and wonder about the cosmos and develop a deeper understanding of the mysteries of space and the wonders of the universe.



## Reach

7 Annual science festivals  
32 Science events  
3 Astronomy art exhibitions  
20+ Stargazing events



## Social Media

500,000+  
Cumulative followers



## Audience

60,000+ Cumulative audience  
90 nationalities  
Ages 6-65



## Partners

20 + venues  
40+ partners



## **Dr Abdulla Al Karam**

Director General, KHDA

Has been the Chief Guest since the inception of the festival.

**دبي**  
Knowledge المعرفة

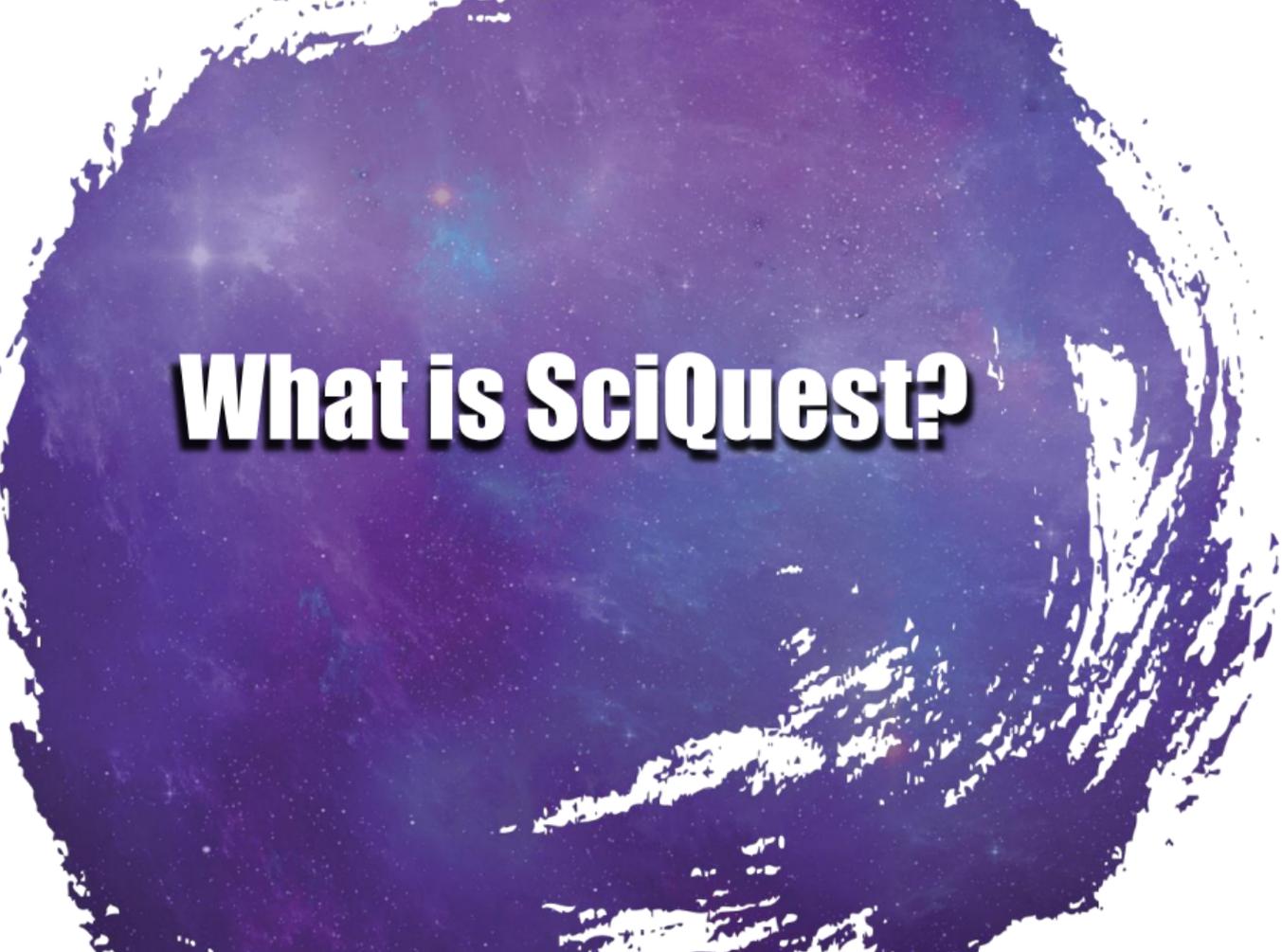




Tuesday 25<sup>th</sup> April 2023

# SCIQUEST

Join the quiz. Be a whiz!

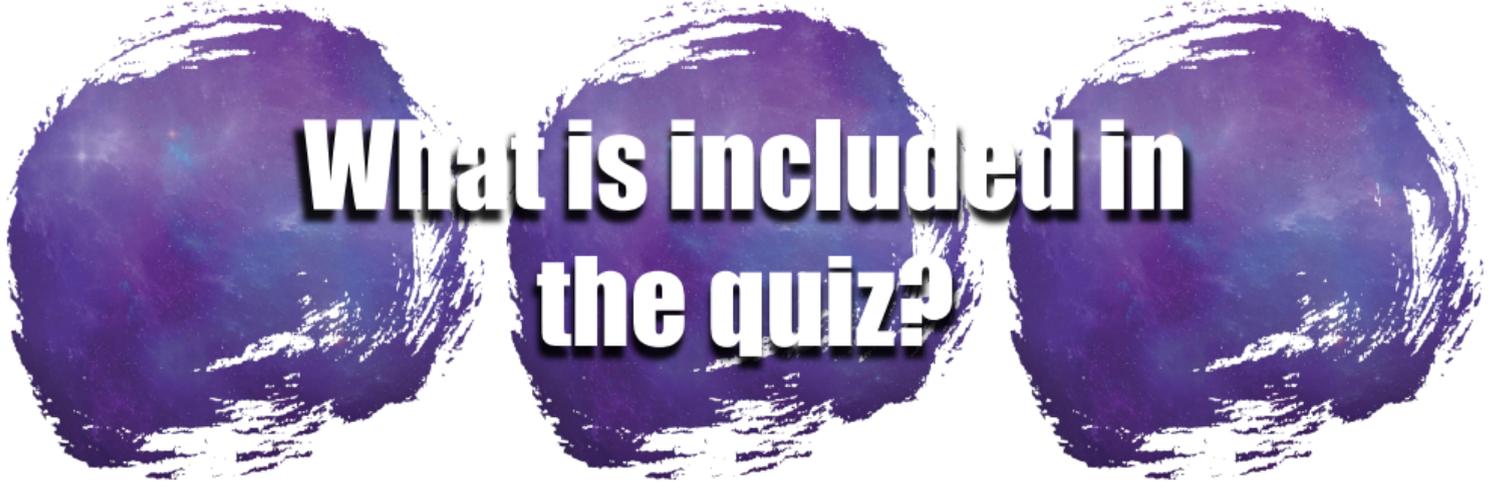


## What is SciQuest?

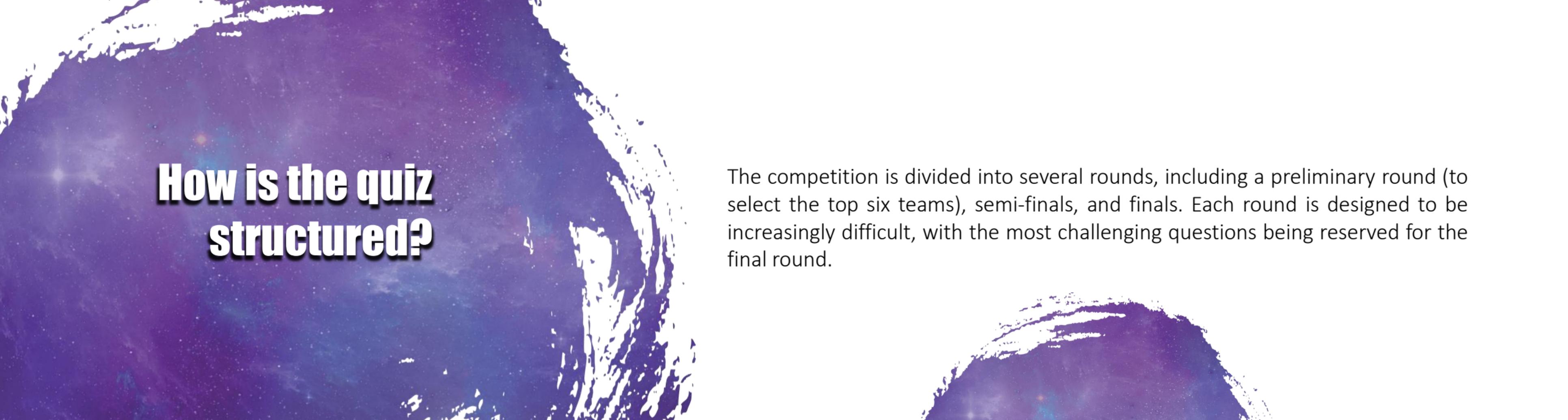
**SciQuest** is an exciting interschool science quiz competition designed specifically for high school students (ages 14-16). The event is organised with the aim of promoting science education among young students and fostering a love for science and technology.

During the competition, students from different schools come together to participate in a series of challenging and thought-provoking science-related questions. The questions are designed to test the students' knowledge, critical thinking, and problem-solving skills in a fun and engaging way.

The quiz covers a wide range of topics such as physics, chemistry, biology, astronomy, and cosmology. The questions are structured to challenge the students' understanding of scientific concepts and principles, as well as their ability to apply these concepts to real-world scenarios.

Three blue brushstroke circles are arranged horizontally. The text "What is included in the quiz?" is written in white, bold, sans-serif font across the middle circle, with a slight shadow effect.

**What is included in  
the quiz?**

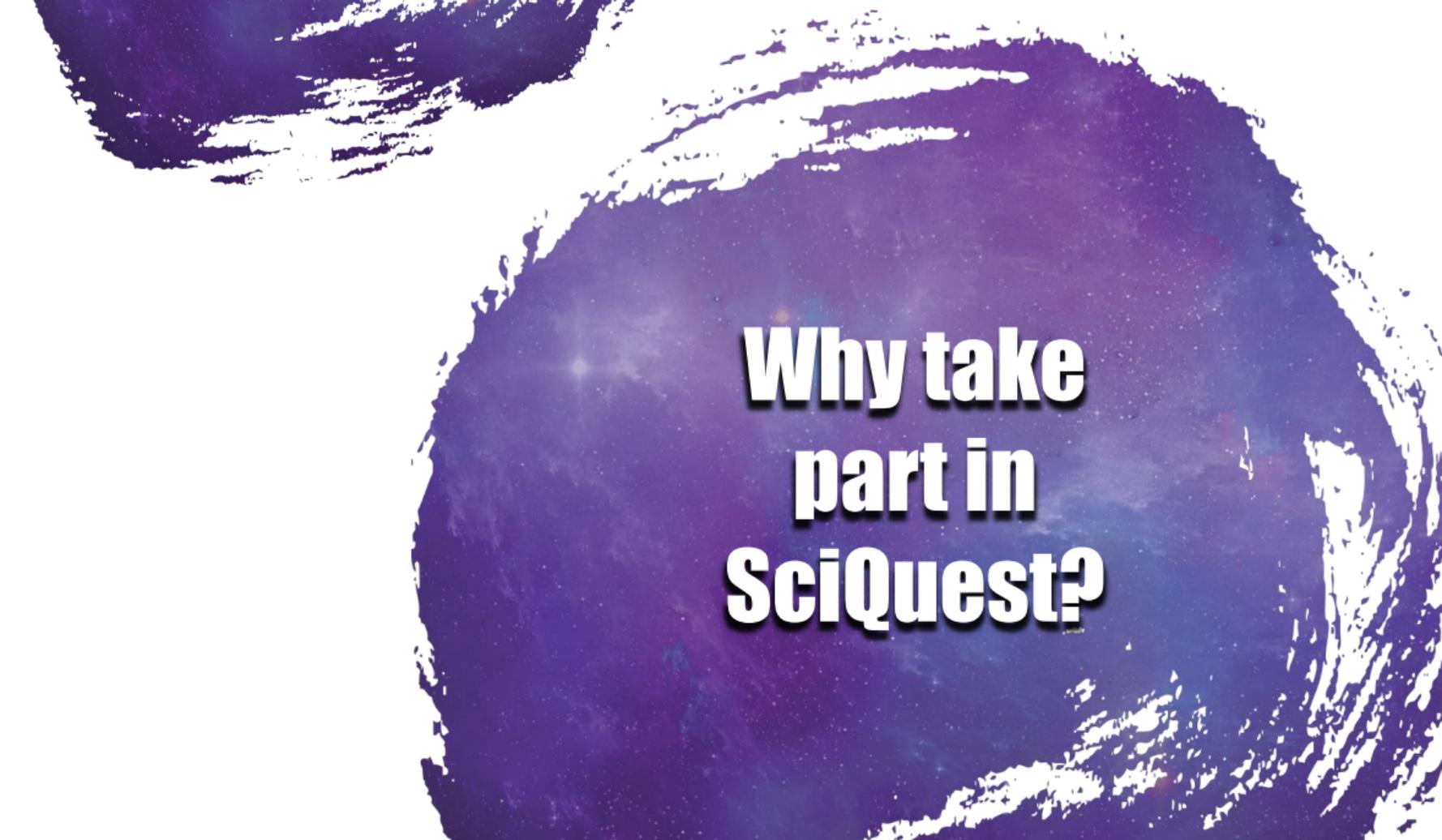


## How is the quiz structured?

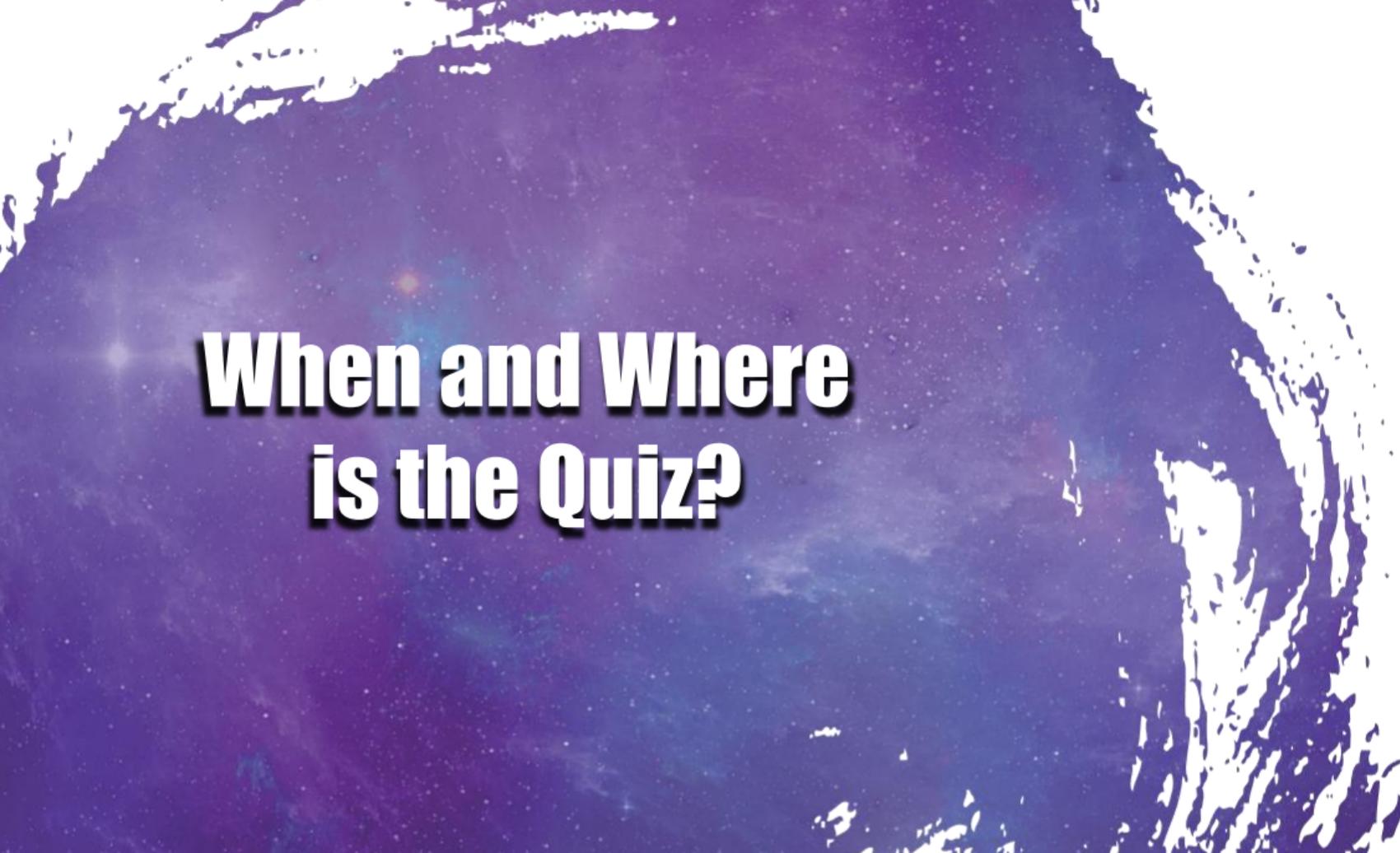
The competition is divided into several rounds, including a preliminary round (to select the top six teams), semi-finals, and finals. Each round is designed to be increasingly difficult, with the most challenging questions being reserved for the final round.

Participating in SciQuest provides an excellent opportunity for students to learn from their peers and to develop their scientific skills and knowledge. The competition also serves as a platform for students to showcase their talents and abilities, and to gain recognition for their achievements.

SciQuest is a fantastic opportunity for high school students who are passionate about science to come together and engage in a friendly and competitive environment. It is an event that celebrates scientific knowledge, critical thinking, and problem-solving, and is an excellent way to inspire the next generation of scientists and innovators.



**Why take  
part in  
SciQuest?**



# When and Where is the Quiz?

Venue: GEMS Wellington Academy Al Khail

Location: Dubai Hills

Date: Tuesday 25<sup>th</sup> April 2023

Time: 9am – 11:30am



# Next Steps



1

## Step 1:

Form a team of three members (age: 14-16)



2

## Step 2:

Identify a teacher to represent your team and be the point of contact.



3

## Step 3:

Register your team:

[Register](#)



4

## Step 4:

Prepare for the quiz (see appendix for details)



5

## Step 5:

Arrive on time at the venue GEMS Wellington Academy Al Khail



6

## Step 6:

Participate in the quiz and receive your certificate at the end.



# Important Dates

14<sup>th</sup> April – Deadline to [register](#) your team

20<sup>th</sup> April – Mandatory prep meeting and Q&A with the Quiz Host (online)

**Time:** 5:30pm – 6:00pm

**Venue:** Online (link will be sent by email)

25<sup>th</sup> April – Day of the Quiz

**Arrive at venue:** 9:00am

**Preliminary round:** 9:15am – 10:00am

**Main Round:** 10:00am – 11:00am

**Final Round:** 11am – 11:20am

**Plenary:** 11:30am Awards, certificates and photographs.

**Event ends:** 11:45am





# HOST

**ROHAN ROBERTS**

Futurist. Author. Techno-Philosopher. Science Communicator.

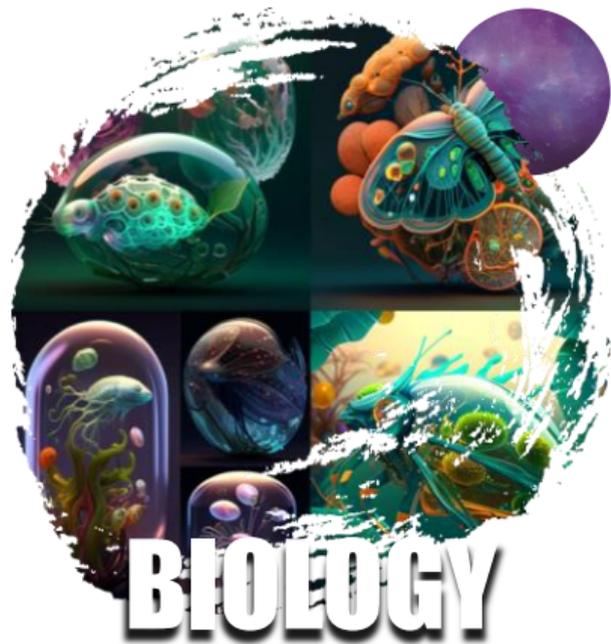
SciQuest 2023 will be hosted by Rohan Roberts, an award-winning educator with over 22 years' of experience in education. He was the host of the Global Innovation Summit, moderator at the Expo Next Gen World Majlis, and Keynote Speaker at LEAP, one of the largest tech and innovation conferences in the world.

In 2019, he was featured by the Dubai Government at the World Government Summit as one of six individuals embodying the Advanced skills of the Future.

[www.rohanroberts.com](http://www.rohanroberts.com)

# Appendix

Details about the 12 quiz rounds



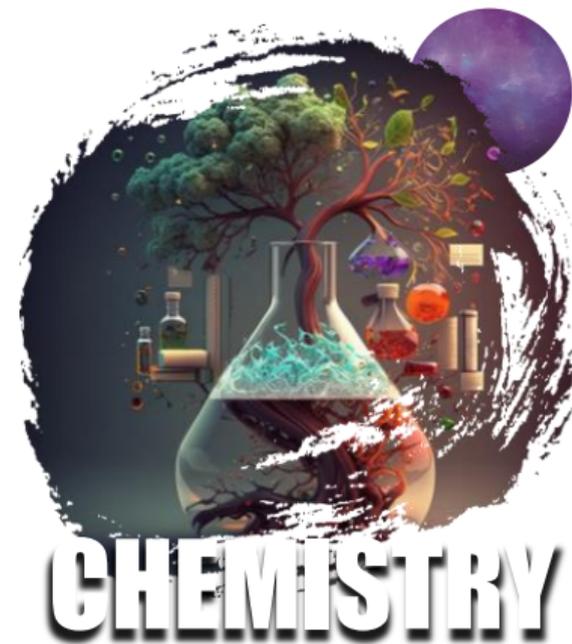
### Round 1

**Biology:** Study of organisms and life processes.

#### Topics:

- Genetics
- Ecology
- Anatomy
- Physiology

**Format:** Direct Questions



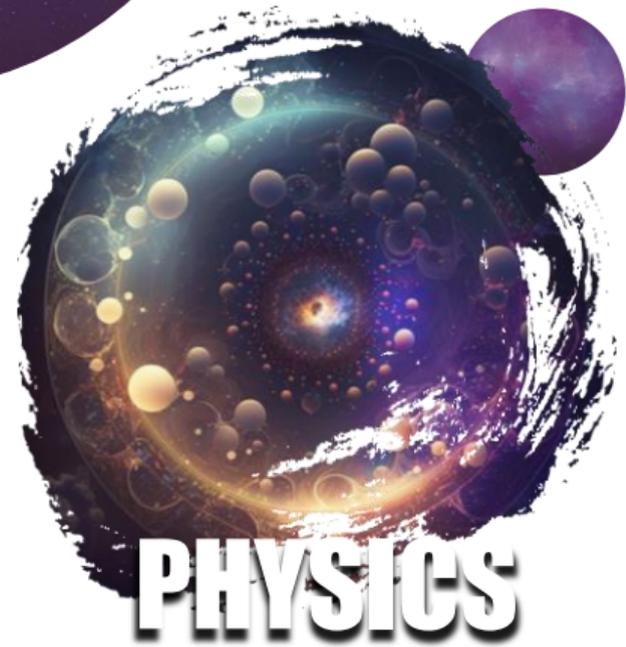
### Round 2

**Chemistry:** Study of the properties and behaviour of matter.

#### Topics:

- Atomic structure
- Chemical reactions
- Periodic table

**Format:** Fill in the Blanks



### Round 3

**Physics** : Study of matter, motion, energy, and force.

**Topics:**

- Mechanics
- Electricity
- Optics

**Format:** True or False



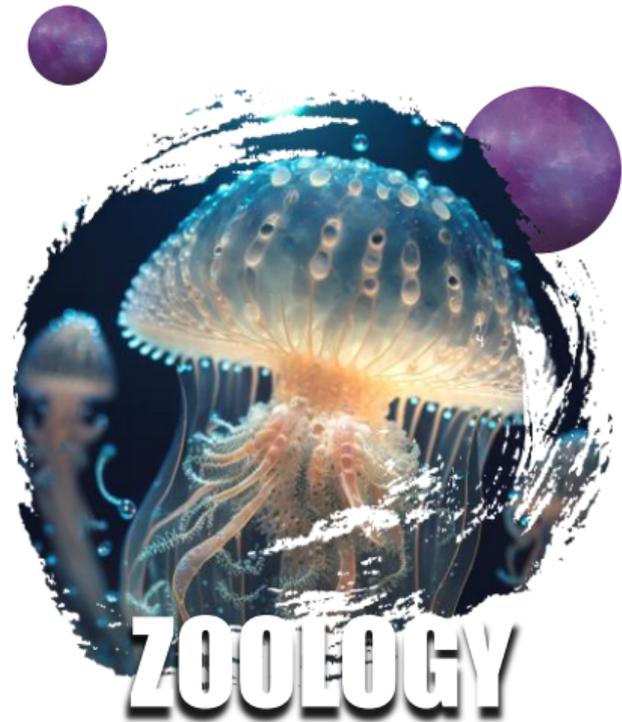
### Round 4

**Earth Science**: Study of the Earth's structure, properties, and processes.

**Topics:**

- Geology
- Meteorology
- Oceanography

**Format:** Educated Guess



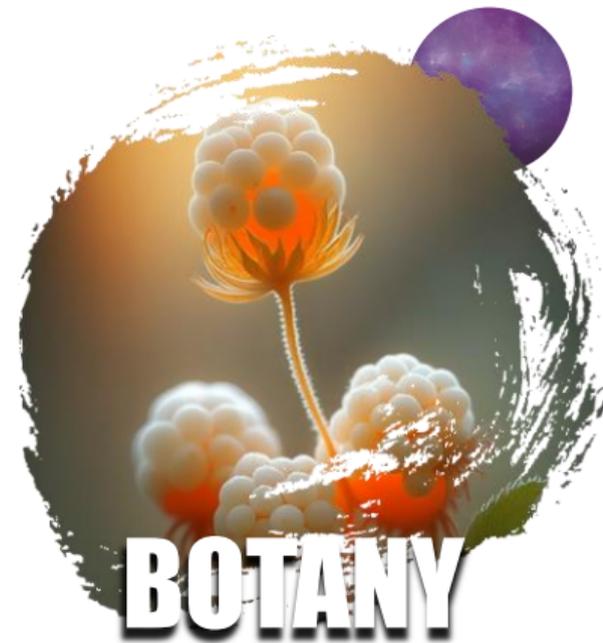
### Round 5

**Zoology** : Study of all animals of all shapes and sizes

**Topics:**

- Insects
- Birds
- Mammals

**Format:** Audio



### Round 6

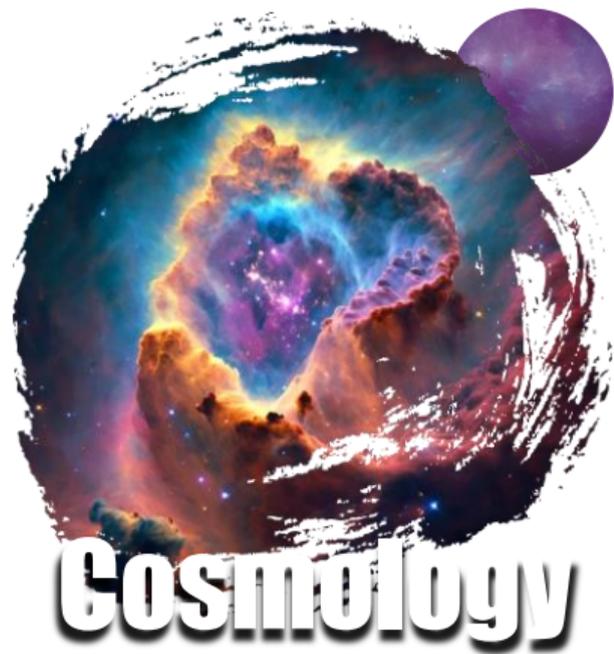
**Botany**: Study of plants

**Topics:**

- Algae
- Lichens
- Plant species
- Germination

**Format:** Educated Guess





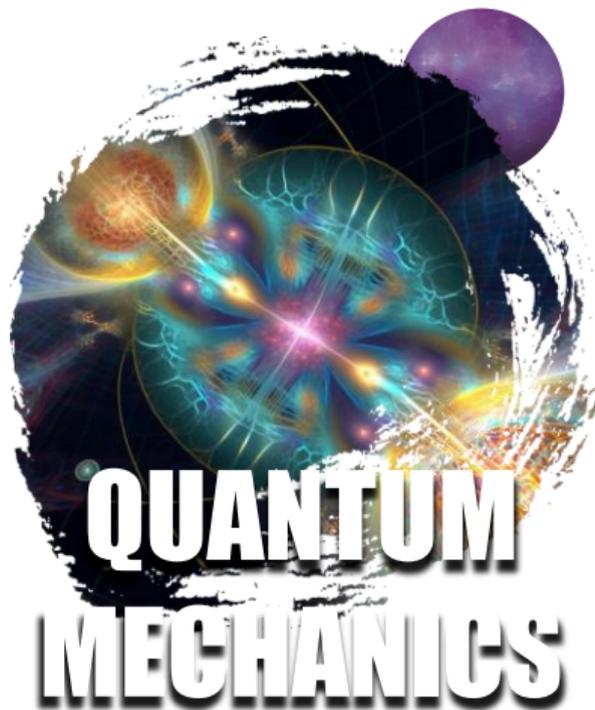
### Round 7

**Cosmology** : The study of the origin and development of the universe

**Topics:**

- Light
- Dark Matter
- Dark Energy
- The Universe

**Format:** Mentimeter open-ended



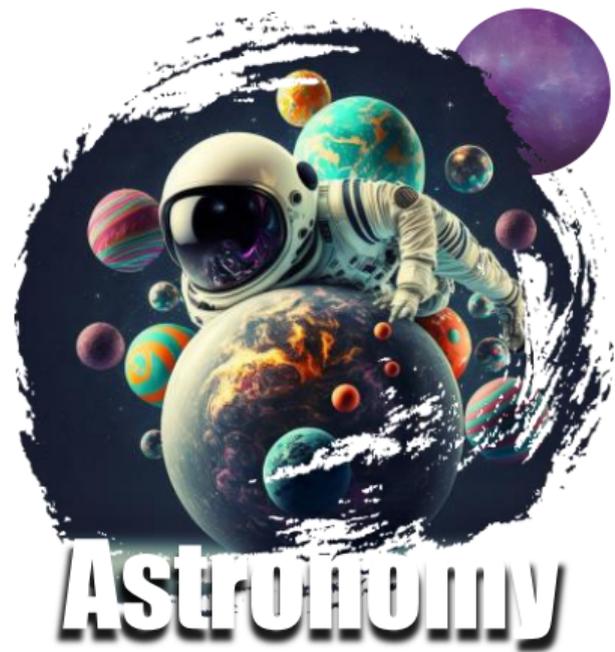
### Round 8

**Botany**: Deals with the behaviour of matter and energy at the atomic and subatomic level.

**Topics:**

- Space
- Time
- Energy
- Matter

**Format:** Ranking



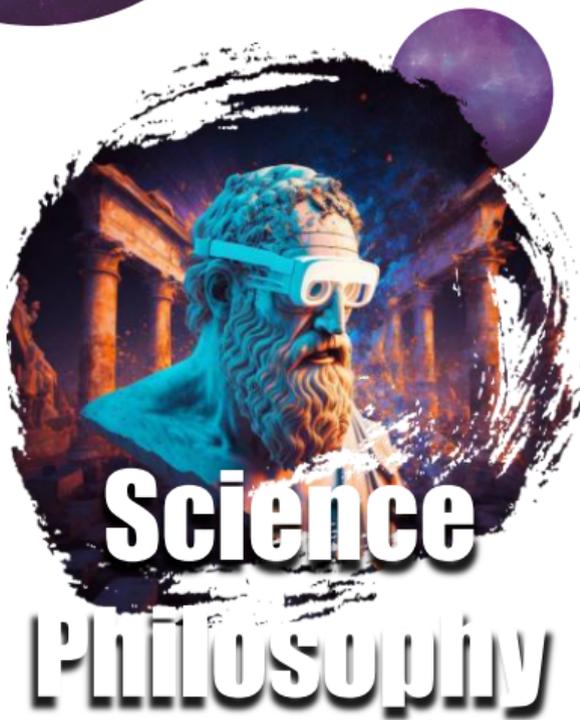
### Round 9

**Cosmology** : The study of everything beyond the earth's atmosphere

**Topics:**

- Comets and Planets
- Galaxies and Nebulas
- Black Holes and Quasars

**Format:** Jeopardy-style: frame the question



### Round 10

**Science Philosophy**: Study of the nature of science, including its assumptions, and values.

**Topics:**

- Science philosophers
- Science and ethics
- Science books and authors

**Format:** A.I. assisted (Internet access)



### Round 11

**The Scientific Method** : The systematic approach used by scientists to investigate and understand the natural world.

**Topics:**

- Cognitive Biases
- Logical Fallacies

**Format:** Multiple Choice



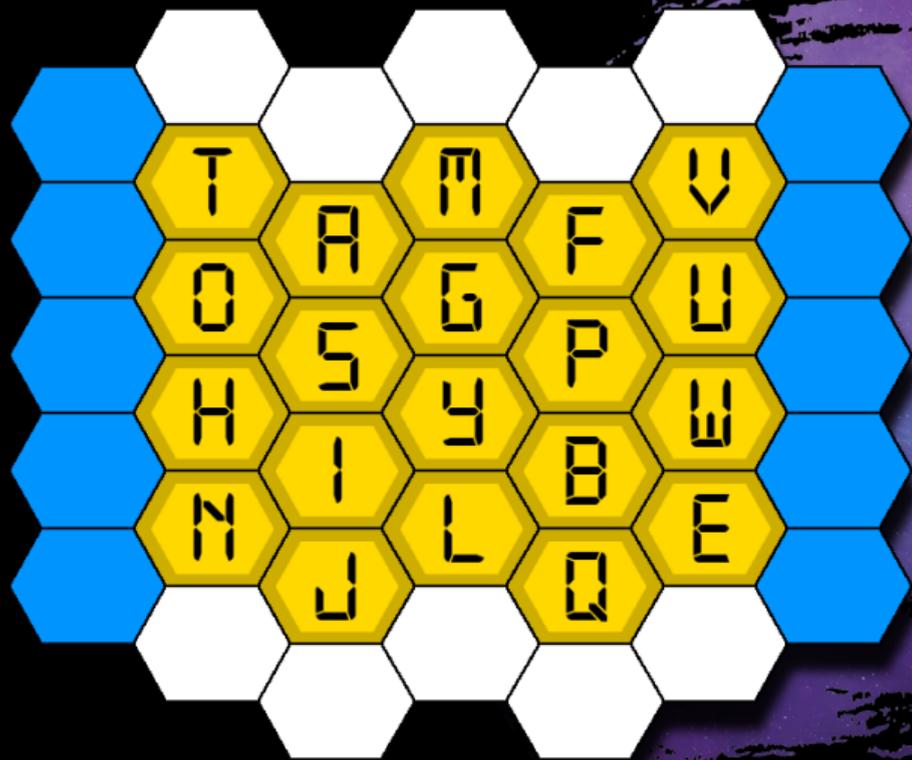
### Round 12

**Famous Scientists**: Famous female scientists who helped change the world.

**Topics:**

- Predominantly female scientists
- From all science fields
- Reference BBC Science Focus and GlobalCitizen.org

**Format:** Visual Round



# Final Round

The top two teams enter the final round.

**Topics:** All topics related to science

**Format:**

- Blockbusters style board and questions.
- Team A attempts to capture yellow letter blocks and turn them white by correctly answering questions and making a connection vertically.
- Team B tried to do the same horizontally but with blue blocks.

**Exemplar question:**

Question: *What 'A' was the first name of Einstein?*

Answer: *Albert*



[Register](#)

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[www.scifestdubai.com](http://www.scifestdubai.com)