



SABIS®

2024 SABIS®

STEAM

NEWSLETTER

ENVISION CREATE INNOVATE



Education for a changing world.

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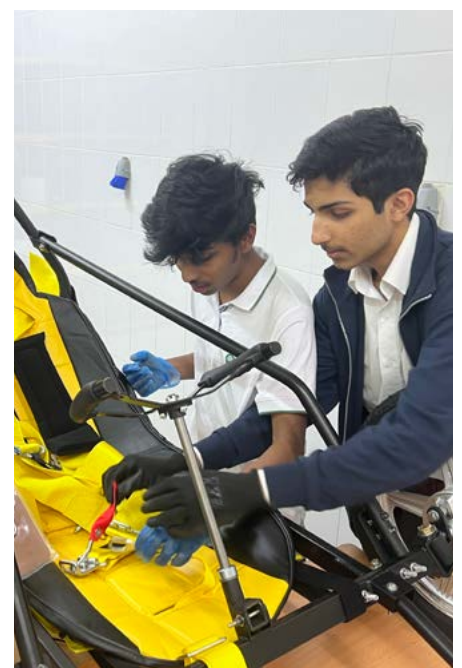
INTRODUCTION



STEAM education integrates Science, Technology, Engineering, Arts, and Mathematics to provide students with a holistic learning experience that fosters critical thinking, problem-solving skills, creativity, and innovation. In today's rapidly evolving world, STEAM education is crucial for preparing students for the challenges and opportunities of the future.

STEAM education is more than a classroom experience; it serves as a gateway to comprehend and tackle the challenges of our constantly evolving world. It is a mindset—a dynamic approach that nurtures innovation, encourages collaboration, and fuels the art of problem-solving.

The importance of STEAM education cannot be overstated. It equips our students with the skills and knowledge necessary to navigate the complexities of their academic and professional journeys. It empowers young minds to think critically, adapt to change, and contribute to the global community.



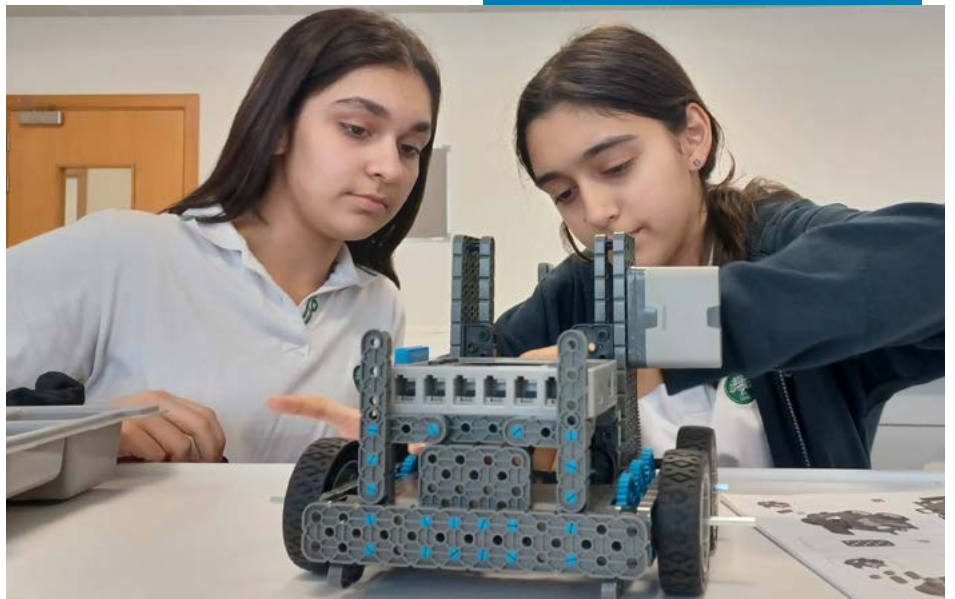
SABIS® STEAM PROGRAM

In 2019, SABIS® launched their first STEAM course, Robotics, for students in Middle School. As part of the course, students would use STEAM concepts as an educational approach to guide their exploration of robotics.

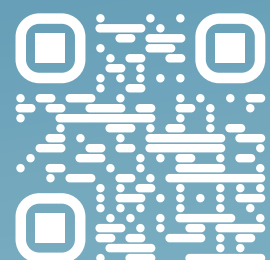
Robotics was the first course of what grew into a full STEAM program. Today, the program includes Robotics, 3D Printing, and App Design & Development with a number of other courses in the pipeline. Soon, SABIS® students can look forward to signing up to Mechatronics: Intelligent Systems, Mechatronics: Advanced Robotics, Machine Learning, and Programming Using Python.

SABIS® students in the U.A.E. and Gulf also have the option to join STEAM clubs that include Electric Car, Drones, and Electronics.

These courses are key to developing critical thinking, creativity, collaboration, and communication skills in students as they teach them to solve problems across interdisciplinary subjects.



Learn more about
the SABIS® STEAM
program:



SABIS® STEAM COMPETITION 2024



On Saturday, February 17, SABIS® International School – Yas Island hosted the second SABIS® STEAM Competition that brought together over 240 students from 15 SABIS® schools in the Gulf region. Students got together to compete in five main categories: Robotics, 3D Printing, Drone, Electronics, and Electric Car. In addition to the competitions, the event also featured an array of other STEAM-related activities where students showcased their academic mastery in a quiz-based competition within the event.

The 2024 event was a whole new experience for students, setting the tone for future events, especially with the presence of our brand-new STEAM mascot. The SABIS® STEAM competition

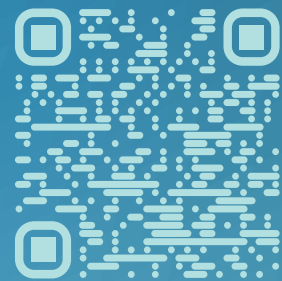
launched with a celebratory opening ceremony featuring a marching band, student march in, speeches, and video for each category. Following the ceremony students proceeded to showcase their skills and talent in their respective categories putting on an excellent show for the judges and attendees.

The teamwork, organization, problem-solving, and communication put forth by students were truly inspiring for everyone there, and a testament to the hard work and countless hours students spent preparing and learning for the event. After an exciting and eventful day, students and attendees gathered to announce and congratulate all the winners with awards.

The SABIS® STEAM Competition celebrates the many STEAM initiatives and clubs that are fostering innovation, and creativity, and preparing our SABIS® students for success in our rapidly changing and increasingly technology-driven world.

Congratulations to all the winners for their outstanding achievements and to every participant for their hard work and dedication. A huge thanks to the organizing committee, dedicated teachers, staff members, parents, and the entire SABIS® community for making this event a resounding success!

EVENT HIGHLIGHTS VIDEO



SABIS® STEAM COMPETITION WINNERS 2024

Category	1 st Place	2 nd Place	3 rd Place
3D Printing	ISC-Abu Dhabi (U.A.E.): Mohammed Kerout (G9), Elias Maowad (G9), Ahyar Rao (G9)	ISC-AI Ain (U.A.E.): Mouza Alameri (G9), Yousef Hassan (G9), Mohammed Dawoud (G9)	ISC-Khalifa City (U.A.E.): Ahmad Mohamed (G9), Zaid Qaisi (G9), Samir Al Aridi (G9)
Drone	ISC-DIP (U.A.E.): Umar Habib (G10), Omar Alkouli (G10), Perla Jallikian (G10)	ISC-Sharjah (U.A.E.): Aseil Gouda Zeidan (G10), Yousef Saleh (G10), Abdulhayee Yamin (G10)	SIS-Ruwais (U.A.E.): Ali Darab (G10), Senthil Pranov Hari (G10), Setpal Sonal (G10)
Electric Car	ISC-DIP (U.A.E.): Aya Bou Harfoush (G11)	ISC-AI Ain (U.A.E.): Mansour El Ahbab (G12)	SIS-Ruwais (U.A.E.): Daksh Aadi (G12)
Electronics	ISC-Doha (Qatar): Mhd Haitham Allaban (G8), Qusai Al-Otoun (G8), Hasan Kanao (G8)	ISC-DIP (U.A.E.): Hamza Elseiyag (G8), Mostafa Mahmoud (G8), Kiril Akhnourk (G8)	ISC-Dubai (U.A.E.): Reina Alshawaf (G8), Nada Abulkhier (G8), Sarah Kiwan (G8)





SABIS® STEAM COMPETITION WINNERS 2024 - ROBOTICS			
Category	1 st Place	2 nd Place	3 rd Place
Robotics Autonomous	SIS-Ruwais (U.A.E.): Saravanan Sajjith (G7), Veera Ragunandhan (G7), Senthil Pratish Haran (G7)	ISC-Dubai (U.A.E.): Garvit Menghrajani (G7), Clara Lattouf (G7), Clytian Kirshey (G7)	ISC-Doha (Qatar): Jehad Alasadi (G7), Zaid Al-Fassed (G7), Ali Khadour (G7)
Robotics Joystick	ISC-Ajman (U.A.E.): Zennat Butt (G7), Tasneem Zainab (G7)	SIS-Yas Island (U.A.E.): Nasser Abuyousef (G7), Michael Maroun (G7), Ahmed Alnaqbi (G7)	ISC-Sharjah (U.A.E.): Ali Oboudi (G7), Haitham Alfawadleh (G7), Michaela Daldalian (G7)
Robotics Intermediate	ISC-Manama (Bahrain): Omar Aly (G5), Victoria Manuelle Sanchez (G5), Omar Elgohary (G6)	ISC-Dubai (U.A.E.): Yevin Liyanage (G5), Liza Alanini (G6), Omar Youssef (G6)	ISC-Muscat (Oman): Abdullah Aziz Al Barashadi (G6), Al Khalil Al Sinani (G6)
Robotics Junior	ISC-Ras Al Khaimah (U.A.E.): Lee Hyunseung (G4), Yousef Abdelgalil (G4), Basel Abdelfattah (G4)	ISC-Sharjah (U.A.E.): Bassel Yussef (G3), Ziad Sabry (G4), Omar El Chaarani (G4)	ISC-DIP (U.A.E.): Faris Osman (G3), Rashid Deesi (G3), Qusai Emsaytif (G4)



ACADEMIC CHALLENGE WINNERS

	School	Name	Grade
3D Printing	SIS-Yas Island (U.A.E.)	Amer El Kaakour	8
Drone	ISC-DIP (U.A.E.)	Perla Jallikian	10
Electric Car	ISC-Ras Al Khaimah (U.A.E.)	George Palayoor	11
Electronics	ISC-Doha (Qatar)	Mhd Haitham Allaban	8
Robotics	ISC-Ras Al Khaimah (U.A.E.)	Salma Al Najad	7
Robotics Intermediate	ISC-Abu Dhabi (U.A.E.)	Majd Abdo	5
Robotics Junior	ISC-Abu Dhabi (U.A.E.)	Victoria Eleanor Aquino	4

A JOURNEY OF STEAM



2018-2019:
SABIS® STEAM Program
is Launched



2019-2020:
STEAM Courses Paused
During the COVID-19
Pandemic



2021-2022:

- First SABIS® Robotics Competition Takes Place
- 3D Printing & Electronics Courses Initiated



2022-2023:

- Students Compete in the First SABIS® STEAM Competition featuring:
 - 3 Categories
 - 4 Showcases
- New Courses Initiated:
 - Robotics Junior
 - Robotics Intermediate
 - Drone
 - Electric Car



2023-2024:

Participation in STEAM
Courses Grows

- 15 Schools
- 1,272 Participating Students



2024:

SABIS® STEAM Competition 2024

- 5 Categories
- 1 Academic Challenge
- 15 Schools
- 242 Participants



MEET THE MASCOT

SABIS® is proud to introduce the newest member of our school community – the STEAM mascot!

Our mascot represents the spirit of our STEAM students and their unwavering commitment to excellence and technology. Our friendly robot inspires our students to face challenges using their skills, knowledge, and creativity to find innovative solutions.

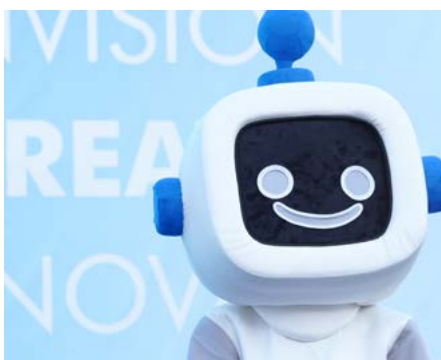
When you see our STEAM mascot on campus or at school-sponsored events, remember that it resembles our collective journey toward success and is a constant reminder that anything is possible with hard work and perseverance.



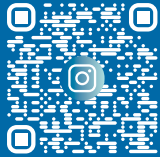
Interests: Science, Technology, Engineering, Art, and Math

Favorite Quote:

"Sometimes you win, sometimes you learn." – Mary Childress



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STEAM AT SABIS®,
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