



Haileybury Astana



astana hub

**Summer
Tech Camp X
Astana Hub
2023-2024**

SENIOR SCHOOL

Age: 10-16 years old.

Dates: 24.06-19.07 (from Mon-Fri).

Time 9.00-16.45.

Cost: 175 000 tenge per week including 4 times meal.

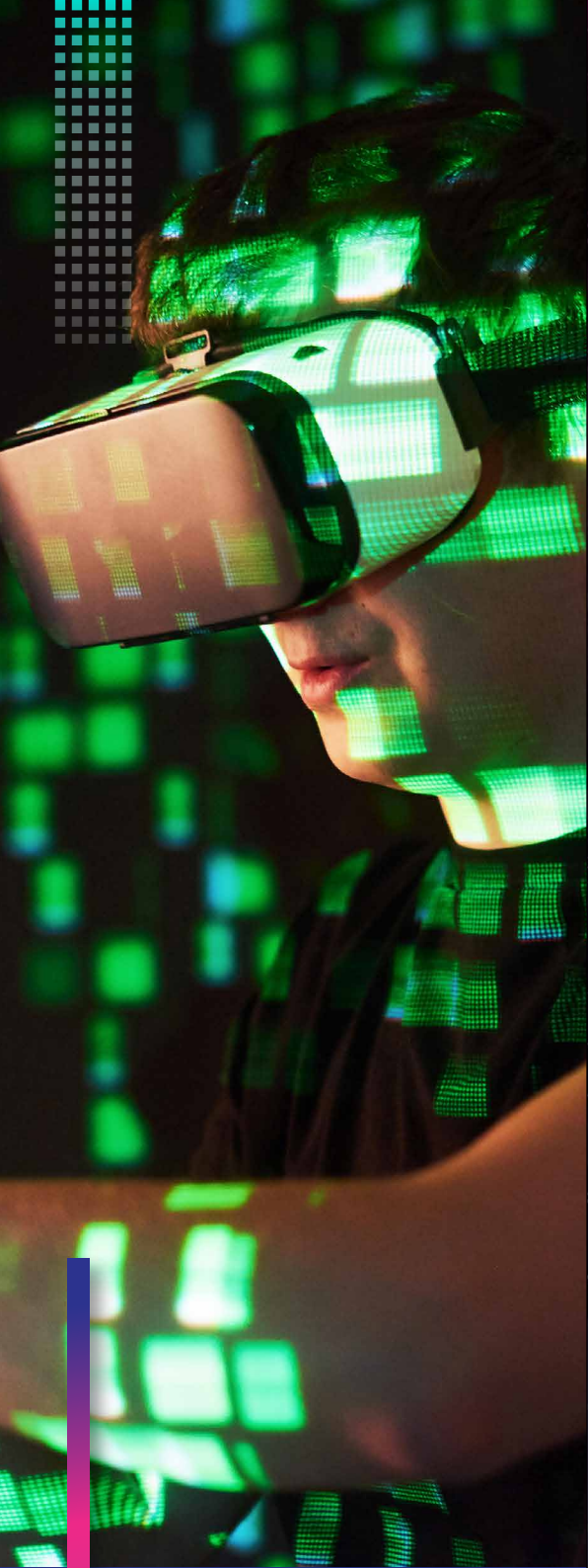
A common programme for everyone:

- Classes at Astana Hub;
- Speaking Club;
- Outdoor games;
- Swimming;
- Sports activities.

Discount for 2nd child 10%

Discount for 3rd child 15%

REGISTRATION FORM



4 MODULES TO CHOOSE:

1. Video Game Development (Game Design) (June 24-28)

The purpose of the course is to teach the basics of game design, concept development and mechanics of exciting games, as well as mastering the basics of programming and implementing game logic.

The program includes:

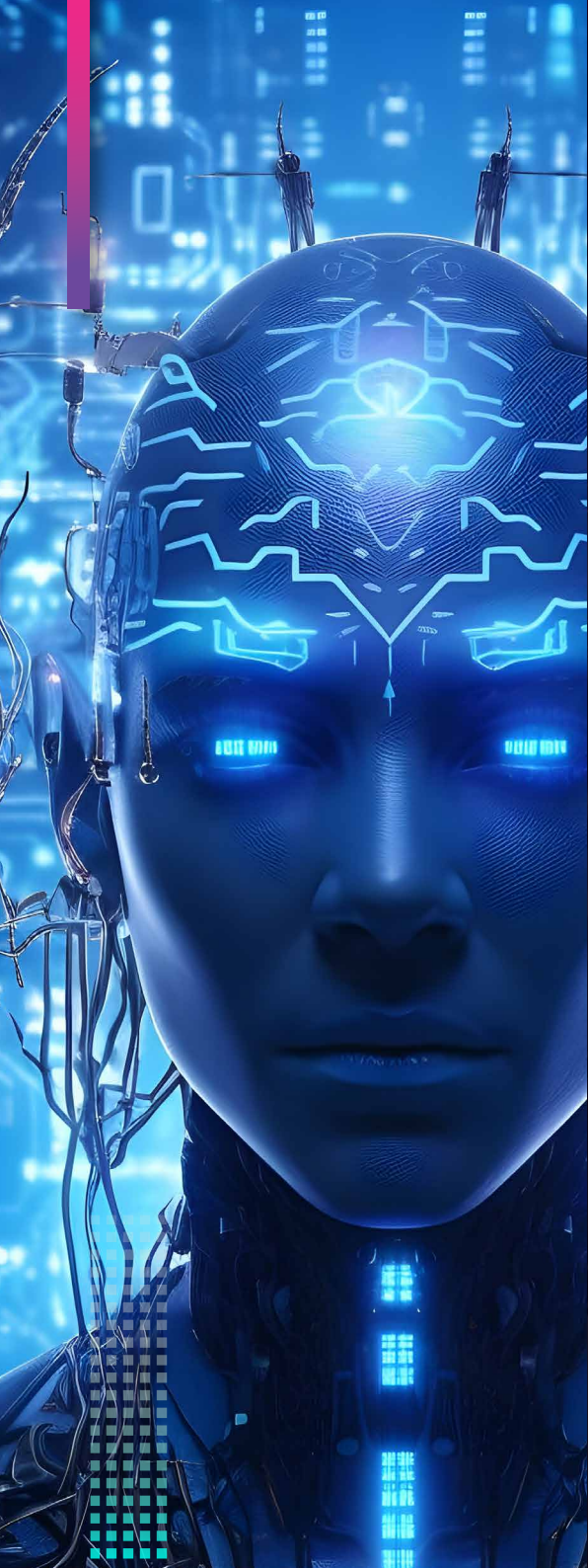
- Creating interesting rules and interaction systems for the gameplay.
- Development of game levels.
- Planning the difficulty, pace and direction of the passage, thinking through the elements of the environment and obstacles.
- Designing a gaming economy.
- Determining the value of game resources, balancing rewards and costs to motivate players.

2. Apple Swift Development (July 1-5)

The purpose of this course is to provide an introduction to the basic concepts of Swift programming and the development of gaming applications for the iOS platform. Students will learn the basics of Swift, the basic elements of the user interface, and develop their own game “Rock Paper Scissors” at the end of the course.

The program includes:

- Introduction to the Swift Programming Language.
- The basics of playgrounds.
- Practical tasks.
- Introduction to iOS App Development.
- Learning the basic elements of the user interface.
- Basics of working with Xcode.
- Creating a Rock Paper Scissors game using learned concepts and skills.

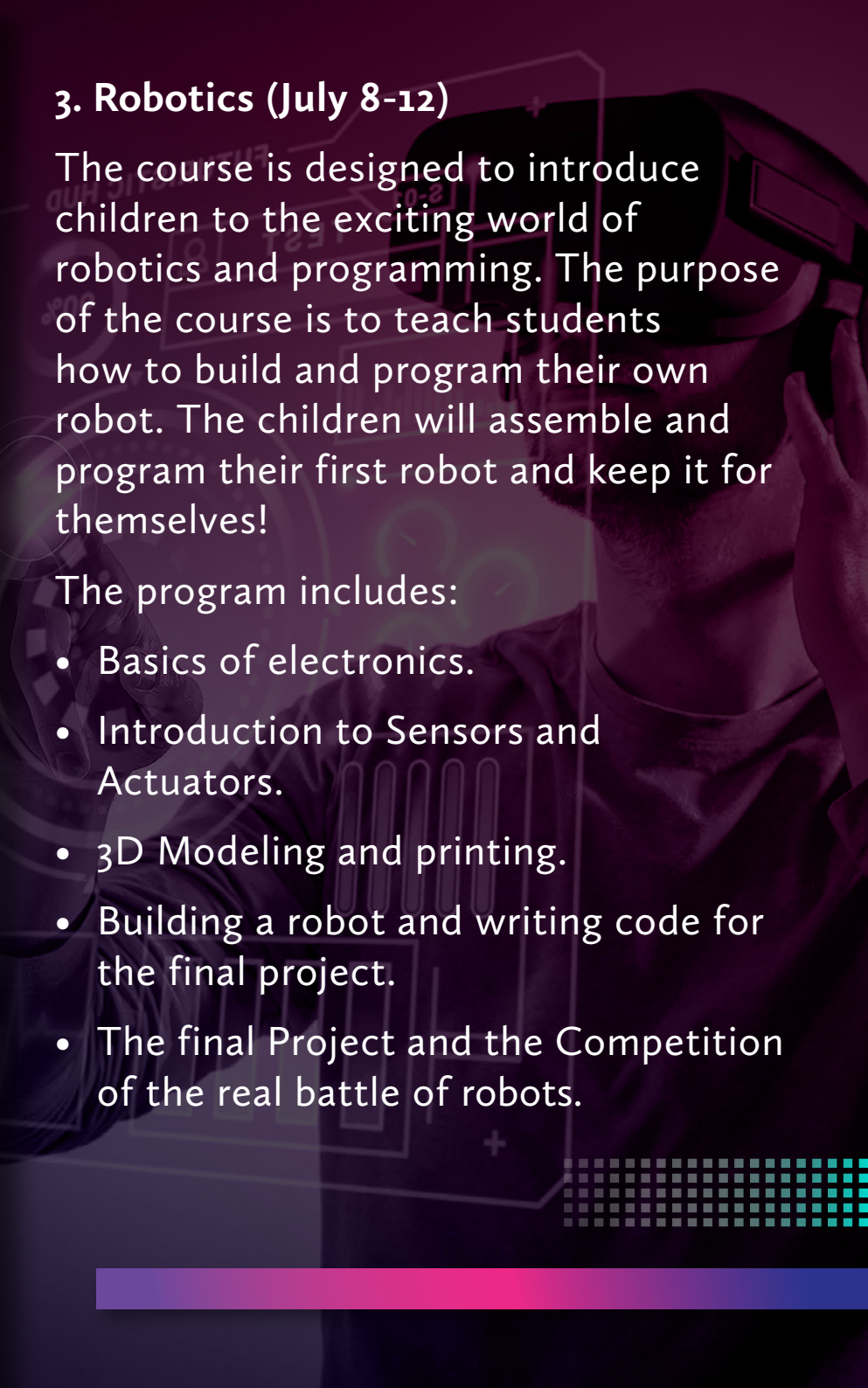


3. Robotics (July 8-12)

The course is designed to introduce children to the exciting world of robotics and programming. The purpose of the course is to teach students how to build and program their own robot. The children will assemble and program their first robot and keep it for themselves!

The program includes:

- Basics of electronics.
- Introduction to Sensors and Actuators.
- 3D Modeling and printing.
- Building a robot and writing code for the final project.
- The final Project and the Competition of the real battle of robots.





4. Artificial Intelligence Navigator (July 15-19)

The purpose of the course is to train participants in the use of AI for real-world applications.

The program includes:

- Examples of use in everyday life (games, robots, etc.).
- Creating your own fairy tale (including how the characters and locations will look like).
- Creating your own characters and locations for a fairy tale.
- Creating a full-fledged video/animation for a fairy tale.
- Creating a full-fledged voice acting for a fairy tale.
- Creating your own music for a fairy tale.
- Presentation of projects and competition for the best video fairy tale.



Haileybury Astana



Educating future leaders

haileybury.kz

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