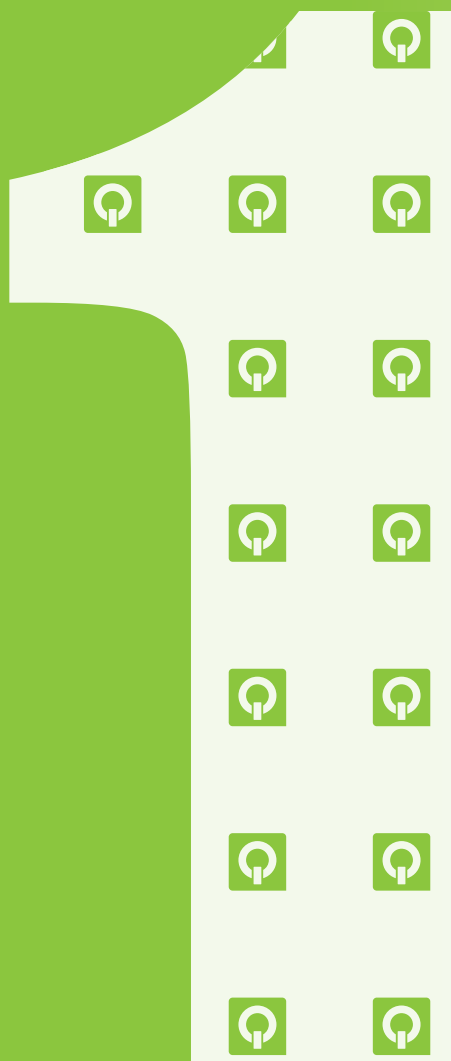




HACKSHACK®

2023
2024
School
Year
Enrichment
Classes
· Code
· Play
· Design
· Robotics
Repeat



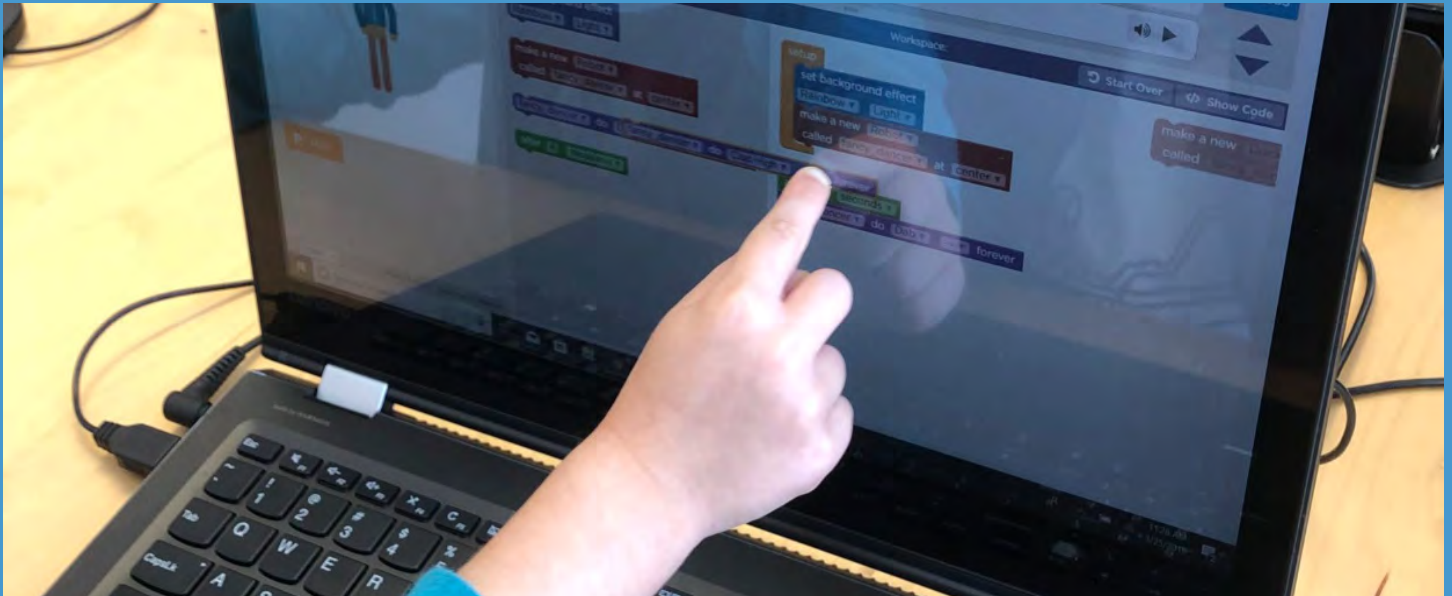


“Play gives children a chance to practice what they are learning.”

- Mr. Rogers



// Minecraft Coding //



Coding Level 1 : K - 1st grade

Code Crafters

Introduces computational thinking through block-based coding as a simple introduction to computer science. The game-based activities and challenges nurture early skill development, emphasizing responsibility, problem-solving, self-management, and teamwork.

Coding Level 1 : 2nd-5th grade

Code Builders

Introduces computational thinking through block-based coding as a simple introduction to computer science through modding and command blocks. The game-based activities and challenges nurture early skill development, emphasizing responsibility, problem-solving, self-management, and teamwork.

Advanced Coding : Level 2 : K - 1st grade

Code Champs

Beyond refining their computational thinking skills, this course encourages advanced problem-solving, strategic thinking, and teamwork, all while fostering a profound understanding of the interconnected systems within game development.

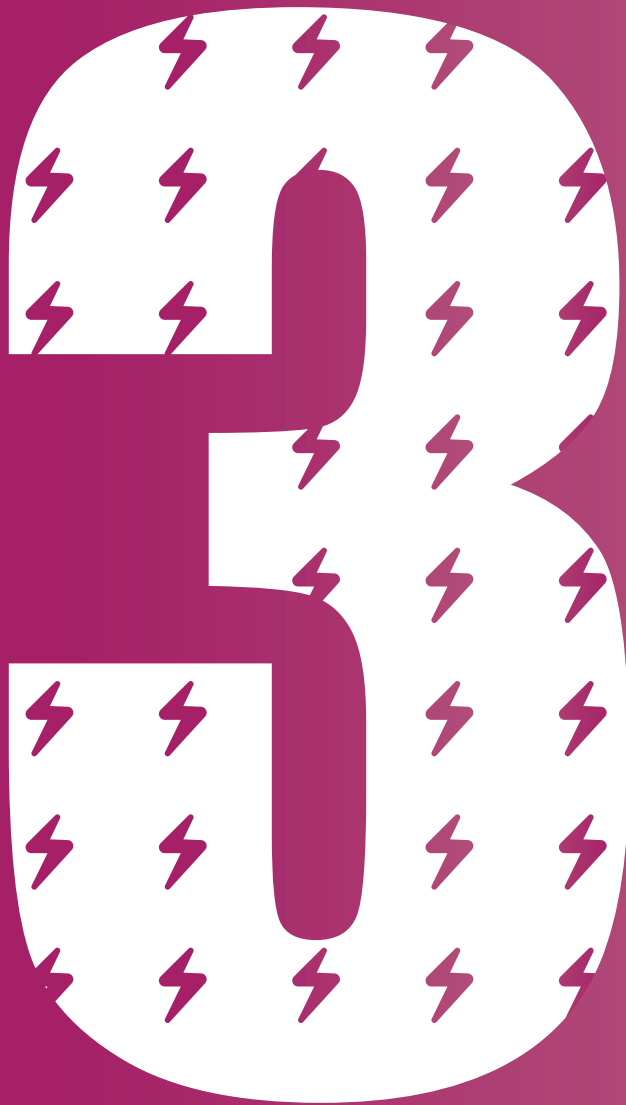
Advanced Coding : Level 2 : 2nd-5th grade

Code Wizards

Students will learn how to create, balance, and test their own games, understanding the key principles of game mechanics, player engagement, and story development. Alongside game design, this course enhances creativity, critical thinking, problem-solving, and digital literacy, enabling students to transform their imaginative ideas into playable game experiences.

“Play is the highest form of research.”

- Albert Einstein



// Lego Coding & Robotics //



LEGO Coding & Robotics Level: 1 K - 1st grade

Robotic Realm

An innovative course that introduces the hands-on world of LEGO Robotics. Students will engage in building and programming their own LEGO robots, discovering key concepts in mechanics, automation, and control systems. This engaging class fosters critical thinking, problem-solving, creativity, and teamwork, equipping students with a blend of technical and soft skills.

LEGO Coding & Robotics Level 1: 2nd-5th grade

Robotic Pioneers

Students will engage in building and programming their own LEGO robots, discovering key concepts in mechanics, automation, and control systems. This engaging class fosters critical thinking, problem-solving, creativity, and teamwork, equipping students with a blend of technical and soft skills.

Advanced LEGO Robotics: Level 2: K - 1st grade

Robotic Odyssey

Leveraging the interactive LEGO Robotics platform, learners will undertake more complex projects, exploring advanced programming, intricate mechanical designs, and sophisticated automation techniques. Alongside deepening their robotics knowledge, this course cultivates enhanced problem-solving, critical thinking, and teamwork skills.

Advanced LEGO Robotics: Level 2: 2nd-5th grade

Robotic Masters

Students will undertake more complex projects, exploring advanced programming, intricate mechanical designs, and sophisticated automation techniques. Alongside deepening their robotics knowledge, this course cultivates enhanced problem-solving, critical thinking, and teamwork skills.

“Play is the work of the child.”

Maria Montessori



// Minecraft Design //



Design Level 1: K - 5th grade

Minecraft Mastery

A beginner's course that introduces the fundamentals of Minecraft, covering gameplay, navigation, building, and resource management. This immersive experience enhances key skills such as teamwork, creativity, spatial awareness, and problem-solving, setting the foundation for more advanced explorations within the Minecraft universe.

Design Level 1: 2nd-5th grade

Architecture

Students will not only learn about different architectural styles, historical buildings, and construction methods, but they'll also have hands-on experience of designing, constructing, and modifying their own virtual buildings. Beyond architecture, this class will enhance critical thinking, spatial reasoning, teamwork and creativity.

Design Level 2: K - 5th grade

Minecraft Pioneers

This class delves into advanced Minecraft exploration, teaching complex building, redstone mechanics, and survival strategies, with an introduction to modding and command blocks. This immersive experience enhances key skills such as teamwork, creativity, spatial awareness, and problem-solving,

Design Level 2: 2nd-5th grade

Rocket Building

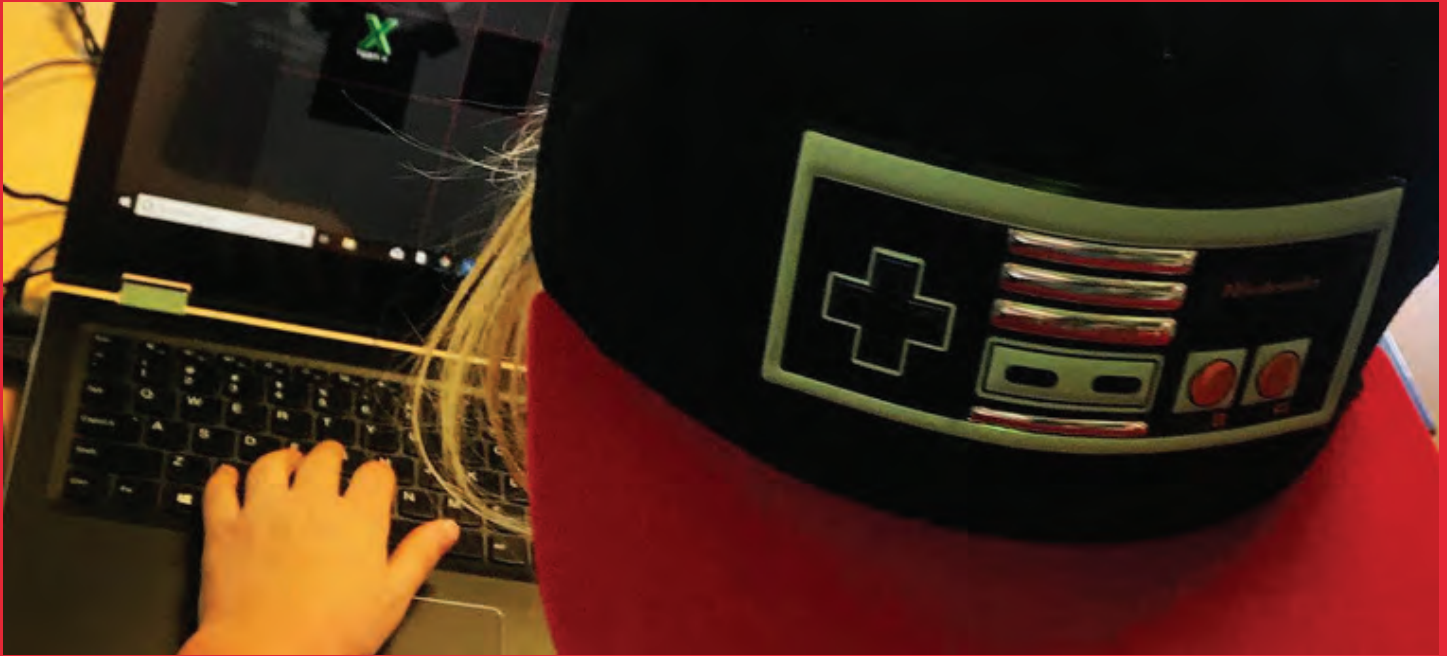
Students will delve into the principles of propulsion, aerodynamics, and rocket design as they construct and launch their own virtual rockets. This course not only ignites an interest in aerospace engineering, but also enhances critical thinking, problem-solving, creativity, and teamwork.

“Design is not just what it looks like and feels like. Design is how it works.”

- Steve Jobs



// 2D & 3D Design //



Design Level 1: K - 5th grade

Graphic Geniuses

Introduces students to the basics of graphic design. Learners will understand fundamental design elements such as color theory, typography, and layout design. This course cultivates creativity, attention to detail, problem-solving, and digital literacy, offering an exciting and practical start to Gravit Designer platform.

Design Level 2: K - 5th grade

Graphic Gurus

Students will master advanced Gravit Designer techniques including vector design, complex layout creation, and digital illustration. Beyond advancing their design skills, this course nurtures advanced problem-solving, critical thinking, and digital literacy, equipping students with the expertise to create professional-grade graphics.

3D Design Level 1: 2nd-5th grade

3D Dreamers

This introductory course uses the Tinkercad platform to expose students to the captivating world of 3D design. Participants will learn basic concepts such as object manipulation, shape design, and model creation. This course develops spatial awareness, problem-solving, creativity, and digital literacy.

3D Design Level 1: 2nd-5th grade

3D Innovators

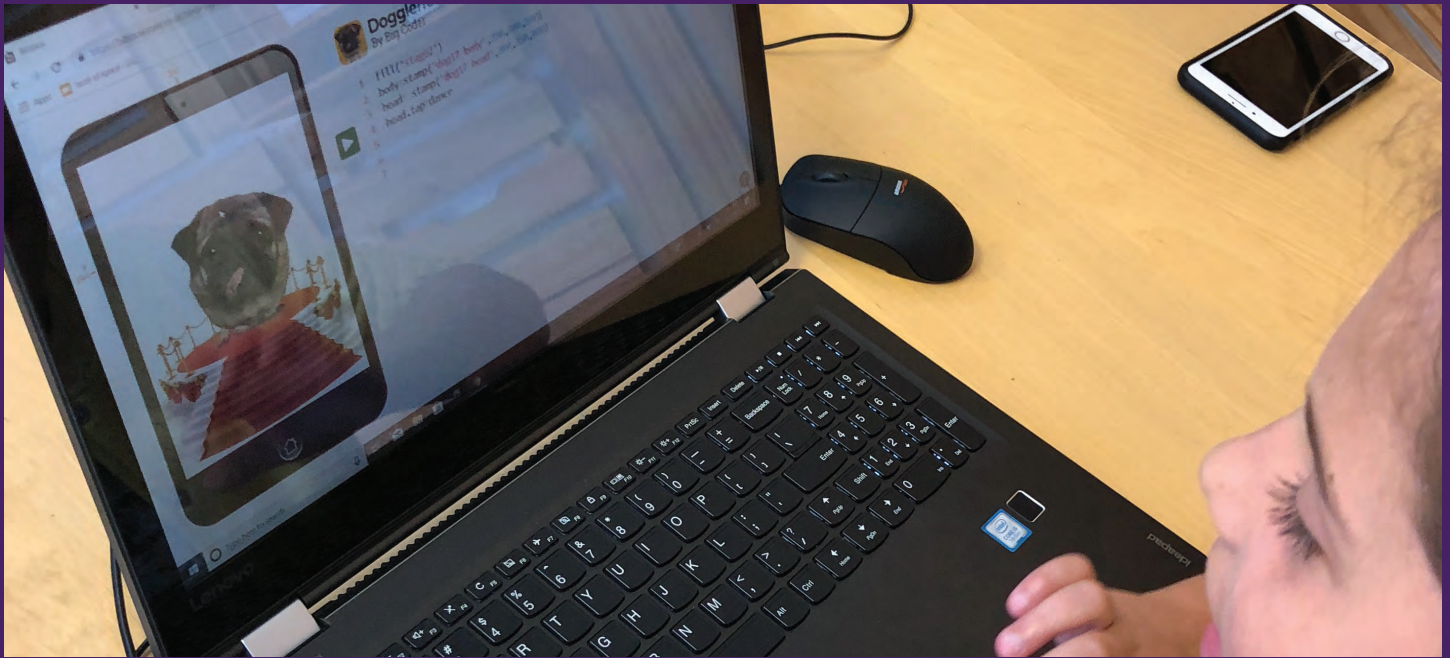
Students will explore advanced techniques including intricate model creation, design optimization, and 3D printing preparation. The course also fosters advanced problem-solving, critical thinking, and digital literacy, preparing students for future pursuits in 3D design, 3D printing and engineering.

“Play is not frivolous. Play is brain building. Play is fundamentally important for learning 21st-century skills, like problem-solving, teamwork, and creativity.”

Kathy Hirsh-Pasek



// Game & App Development Coding //



Coding Level 1: K - 5th grade

Game Creators

Is an exciting course that introduces the basics of game design using the intuitive block based coding, Kodu platform. Students will learn to build, navigate, and modify their own 3D game worlds, gaining hands-on experience with game mechanics, character development, and level design. This course enhances critical thinking, problem-solving, creativity, and digital literacy.

Coding Level 1: 2nd-5th grade

App Artisans

Is a dynamic course that introduces the fundamentals of app design using the user-friendly text based coding, Bitsbox platform. Students will learn to develop their own mobile applications, exploring key aspects of user interface design, functionality programming, and testing procedures.

Coding Level 2: K - 5th grade

Game Innovators

Is a comprehensive course designed to expand students' game design knowledge and skills using the engaging block based coding, Kodu platform. Learners will delve deeper into complex game mechanics, advanced character interactions, and sophisticated level designs, creating more immersive and intricate gaming experiences.

Coding Level 2: 2nd-5th grade

App Architects

Is an in-depth course that dives further into the realm of app design using the interactive text based coding, Bitsbox platform. Students will navigate more complex tasks, such as advanced user interface designs, intricate functionality programming, and robust testing and debugging techniques.



In August 2016, we embarked on a remarkable journey with the launch of HackShack, building a vibrant community of forward-thinking parents and inquisitive children, all united by the joy of creation. Every day, we witnessed our vision come alive, whether during our after school enrichment program, summer camps or through collaborations with schools and local community centers.

In 2020 a response to the pandemic, we've transitioned from our physical space into a dynamic digital format. This strategic move, amplified by our valued partnerships with schools and local community centers, has allowed us to expand our reach, touching even more lives. Amid change, our commitment to inspiring creativity remains intact.

Today, we celebrate this resilience and the continued joy of seeing our vision materialize every day, across enrichment programs, and summer camps, through our partnerships with schools and local community centers.

I hope this brochure finds you well and sparks your interest in the innovative world of HackShack.

As we unveil our new class offerings for the 2023-2024 school year, we invite you to explore the exciting opportunities that await your children or students. From block-based visual coding to text-based coding, from design to robotics, we strive to offer a diverse range of activities that cater to every interest and skill level.

It would be a pleasure to arrange an opportunity to bring our enrichment classes to your school or community. Our team is excited to show you first-hand the magic that happens when children are empowered to create, not just consume technology. Please don't hesitate to reach out to me at mike@hackshackstudio.com to arrange a meeting or demo class.

It's time to take the next step in your child's or student's education and into the future with HackShack. We look forward to partnering with you to inspire the next generation of creators, thinkers, and leaders.

Here's to a future full of creativity, learning, and growth!

Best Regards,



Michael Hickey

Co-founder and President



HackShack

18300 W Dixie Hwy, Aventura, FL

[Write a review](#)

5.0  32 reviews 



Susie Stern

3 reviews

 4 years ago

Love the HackShack! Best place for after-school, birthday parties and summer camp! My 8 year old son has enjoyed all three. He has learned so much from the programming and can't wait to return. Owners and staff are amazing with the kids. The studio is clean, safe and inspires creativity.

 Like



Mindy Soiferman

1 review

 3 years ago

My 9 year old son LOVES HackShack. He is obsessed with 3D printing. The owners Gina and Mike and the staff are all so nice and accommodating. It is a great learning environment and lots of fun.

 Like



Andrea Schleider

1 review

 2 years ago

Positive: Professionalism, Quality

The owner Mike is great with the kids! Very professional. My son has been going to camp here all summer and loves it! He loves the creative aspect and he has fun and learn a lot!

 Like



Abigail

Local Guide · 38 reviews · 15 photos

 3 years ago

Love the Hack Shack! Mike and Gina are wonderful and super responsive. My kids are learning to design, code and digital citizenship and are so happy doing it. I can't recommend enough!

 Like





Visit us for class updates:

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