

ACCLAIMED SUMMER STEM PROGRAM

FOR GRADES K-6



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Our nationally recognized K-6 summer enrichment program, Camp Invention®, has brought authentic invention education to children across the country for more than 30 years. Each year, a brand new curriculum is developed and tested to deliver hands-on activities that encourage divergent thinking. Camp Invention is backed by independent research and designed to spark imaginations through open-ended engagement in creative problem solving.

66

I could hear, see and feel the enthusiasm! The (Camp Invention) projects were great and THE SMILES ON THE STUDENTS' FACES SAID IT ALL. Very creative minds at work!

99

KRISTINE C., LOS ANGELES UNIFIED SCHOOL DISTRICT



Real-world challenges lead children to practice empathy, and build

confidence and persistence while becoming solution seekers

- Authentic, collaborative STEM experiences foster 21st-century skills
- High-energy activities and opportunities for outdoor exploration keep children active and engaged

TURNKEY IMPLEMENTATION

- All-inclusive program curriculum and materials
- Teacher training customized for district needs
- Dedicated National Inventors Hall of Fame® (NIHF) support

FLEXIBLE & IMMERSIVE CURRICULUM

- Four all-new, themed modules with hands-on activities
- Curriculum differentiated for primary and intermediate levels
- Aligned to State, Common Core and Next Generation Science Standards as well as CASEL Social and Emotional Learning (SEL) Competencies
- Flexible packaging options including individual or class sets for virtual, hybrid or in-person settings

THE INNOVATION MINDSET

Every NIHF education program is built on the belief that every child can invent. Through open-ended, hands-on exploration, children build an Innovation Mindset™ — a growth mindset infused with lessons from world-changing inventors — that enables and empowers them in all areas of their lives.

The Innovation Mindset is made up of these nine essential skills and traits that are strengthened every time a child applies them. Each Camp Invention module highlights different aspects of this mindset, guiding children to unlock their full potential and discover the power of their own creativity.



2022 CAMP INVENTION MODULES



ROBOTIC AQUATICS™

Using ocean research, children design tanks for their own aquatic friend, discover symbiotic relationships, and develop and pitch bio-inspired inventions.

- Innovation
- Intellectual Property
- Creative Problem Solving



NIHF'S THE ATTIC™

Learning how innovations shape the way we make art, children experiment with animation, chemistry and materials science using everything from paint to robots.

- Confidence
- Intellectual Property
- Design Thinking



SPACECATION™

Inspired by real discoveries on distant planets, asteroids and moons, children create Spacepacks, build Astro-Arm devices and explore phenomena on Jupiter's moons.

- Persistence
- Design Thinking
- Innovation



MARBLE ARCADE™

Through teamwork and experimentation, children investigate physics, engineering, mathematics and gaming as they design, build and test a mega marble machine.

- Creative Problem Solving
- Persistence
- STEM





Structures & Processes

Habitats & Ecosystems

Speaking & Listening

Entrepreneurship

ROBOTIC AQUATICS™ MODULE OVERVIEW

Diving into the latest ocean research, children create a habitat for their own aquatic friend. They design a tank featuring a newly designed and patented aquatic plant, and then they discover the power of symbiotic relationships and create a friend for their aquatic animal. Finally, they develop their own bio-inspired invention and deliver a pitch that is sure to make a splash.

CURRICULUM HIGHLIGHTS

THIS MODULE EMPHASIZES THESE ASPECTS OF THE INNOVATION MINDSET:



Learning how to patent a new aquatic plant.



Exploring cutting-edge ocean research and technology.



Learning how to find and reach a target audience for a product.





Engineering Design

Art

Reading

Speaking & Listening

NIHF'S THE ATTIC™ MODULE OVERVIEW

Combining art and STEM, this STEAM-powered experience shows children how innovations can shape the way people make art. Entering an inspiring space where they can experiment with art, animation, chemistry and materials science, children build their own Arty Bot to create fun spin art and learn how trademarks can protect their ideas.

CURRICULUM HIGHLIGHTS

THIS MODULE EMPHASIZES THESE ASPECTS OF THE INNOVATION MINDSET:



Gaining confidence while building a spin art robot and creating and performing a script.



Understanding how patents and trademarks can protect creative ideas and designs.



Experimenting with designing and creating shoes.





Earth's Place in the Universe

Space Systems

Reading

Measurement & Data

SPACECATION™ MODULE OVERVIEW

This adventure takes children beyond Earth's atmosphere to engage in science-rich activities inspired by the latest discoveries on distant planets, asteroids and moons. Children create Spacepacks and Astro-Arm devices, with higher grade levels using hydraulics. They mine an asteroid, view an ice volcano and make galactic pizza on Jupiter's moons.

CURRICULUM HIGHLIGHTS

THIS MODULE EMPHASIZES THESE ASPECTS OF THE INNOVATION MINDSET:



Practicing persistence while building and operating an Astro-Arm device.

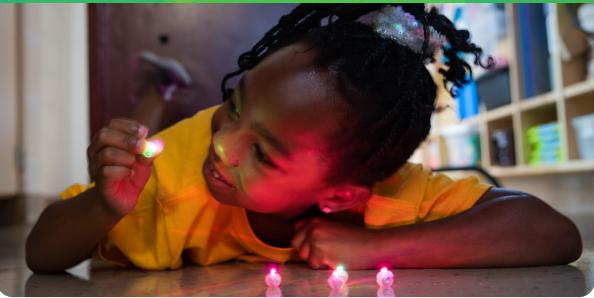


Experimenting with chemical reactions, space tools and data collection.



Achieving innovation by adding elements inspired by nature to morphing vehicle designs.





Motion & Stability

Forces & Interactions

Energy

Geometry

MARBLE ARCADE™ MODULE OVERVIEW

In a high-energy experience that combines physics, engineering and gaming, children design and build a mega marble machine. After investigating math, motion and chain reactions, testing their designs and running time trials with objects including glowing LED marbles, children collaborate and cheer each other on as they iterate and improve on their designs.

CURRICULUM HIGHLIGHTS

THIS MODULE EMPHASIZES THESE ASPECTS OF THE INNOVATION MINDSET:



Engaging in hands-on exploration of physics, attachment technology and inclined plane angles.



Experimenting with engineering design while creating, testing and adjusting marble runs.



Diverging and converging on ideas for building a marble machine.





Gross Motor Skills

Fine Motor Skills

Teamwork

Creative Thinking

CAMP INVENTION GAMES OVERVIEW

Camp Invention Games supplements our four core modules by giving children the opportunity to engage in more teamwork, out-of-the-box thinking and physical fun through energetic and enriching activities. Games can be used during the lunch break each day or implemented during Base Camp, where children begin and end each day.

CURRICULUM HIGHLIGHTS

CAMP INVENTION GAMES EMPHASIZES THESE INNOVATION MINDSET HABITS:



Gaining confidence and building agility through both collaboration and competition.



Applying creative problem solving to devise strategies in games using unusual objects and new rules.



Building persistence to overcome fun challenges, from balloon tosses to relay races.

^{*}Games applies to our in-person format only.

A TYPICAL DAY AT CAMP INVENTION

A TYPICAL DAY¹ AT CAMP INVENTION MAY FOLLOW THE SCHEDULE BELOW:

9 A.M.

MORNING BASE CAMP Children engage in STEM activities to prepare for the day.



PROGRAM

MODULES Children stretch their imagination with STEM challenges in the first two modules

9:15 A.M.

of the day.

11:40 A.M.

LUNCH BREAK

Half the participants enjoy lunch while the others go outside for Camp Invention Games, and then they switch.



3:15 P.M.

AFTERNOON BASE CAMP

Children wind down with problemsolving games before signing out.



PROGRAM MODULES

Children engage in more hands-on STEM and design thinking challenges as they dive into the two afternoon modules.



EXTENDED DAY

Children participating in Extended Day² are picked up after engaging in more fun, hands-on activities.

5:30 P.M.

7:30 A.M.

EXTENDED

participating in

Extended Day²

enjoy activities

core program.

that build on the

momentum of the

DAY

Children

1:05 P.M.

WHAT'S INCLUDED

		Camp Invention Provides	District or Host Site Provides
Program Preparation	Program Team orientations	√	√
	Promotional Tools (flyers, posters, social media and digital content are provided)	√	√
	Exceptional support provided by Regional Representatives	√	✓
Implementation Support	Materials, curricula and instructor guide for 32.5 hours of programming	√	√
	Materials delivered to the program location in classroom sets or shipped directly to the home in individual sets	√	√
	Daily schedules and prerecorded videos to supplement the curriculum for in-person and at-home sessions	√	√
	Central Registration System	√	√
	Camp Invention T-shirt for participants and Program Team Members	√	√
Site Coordination	Classroom or physical space	√	√
	Program Team Member recruitment	√	√
	Distribution of promotional materials	√	✓



PRICING

With our traditional parent-paid model, the district or host site provides the space needed for the camp and secures the certified local educators who serve as Program Team Members. The program cost is covered by each participant, and there is no added fee to host the program.

- \$270 per participant¹
- · \$360 including Extended Day
- Registration discounts available for Program Team Members, district employees and families

1. Per-participant registration and Extended Day costs may vary to cover building use and other district fees.

If parent funding is not an option, our education programs also qualify for Title II, Title III, Title III, Title IV, 21st Century Community Learning Centers, Migrant Education and Early Learning Challenge funding, as well as state and local district resource funding.

2. Discounts may vary.

HOW IT WORKS

PARTNER WITH NIHF

- NIHF: Regional Representative provides exemplary support throughout the experience
- HOST SITE: Confirm program location and dates
- HOST SITE: Confirm program Director
- NIHF: Registration opens

KICK OFF CAMP PROMOTIONS

- NIHF: First flyer is provided including seasonal participant discount²
- **NIHF:** Ship promotional box to the Director
- NIHF: Host Director promotional orientation
- **DIRECTOR:** Secure Program Team Members

AMPLIFY CAMP PROMOTIONS

- **NIHF:** Second flyer is provided including seasonal participant discount
- PROGRAM TEAM: Spread the word about Camp Invention using the provided resources including social media write-ups, newsletters and digital ads
- **DIRECTOR:** Communicate all Program Team discounts

PREPARE FOR CAMP WEEK

- NIHF: Host Director logistics orientation
- NIHF: Schedule program materials and curricula for delivery
- **DIRECTOR:** Confirm Program Team based on enrollment
- **DIRECTOR:** Summer is here! Launch your Camp Invention program!

APPENDIX



DISTRICT LIST

View our district partners

across the country.



EVALUATION SUMMARY

Learn more about the proven benefits of participating in Camp Invention.



CURRICULUM EXCERPT

View a sample of our curriculum to see how we provide detailed guidance for easy-to-implement program experiences.

Learn more about Camp Invention here.

CUSTOMIZE A SOLUTION FOR YOUR DISTRICT TODAY!

TO LEARN MORE, CONTACT:

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Inspiring Future Innovators®



