



2014 National Inventors Hall of Fame Inductee Ashok Gadgil visiting Camp Invention at Oster Elementary School

## Camp Invention Overview

Camp Invention is the only nationally recognized, non-profit summer enrichment program for kindergarteners through sixth graders that is inspired by the brightest thinkers around—the Inductees of the National Inventors Hall of Fame®. Children are empowered to have big ideas while they take on challenges that inspire them to question, brainstorm and collaborate with teammates and build amazing invention prototypes. Camp Invention team members receive a letter of recognition from the United States Patent and Trademark Office and a certificate representing 3 CEUs.

*\*Acceptance of CEUs is subject to your state or district continuing education requirements.*

## Camp Invention Highlights

- Connects participants to inventors who have changed and who continue to change the world.
- Presents children with fun challenges that emphasize STEM, creative problem-solving, collaboration and entrepreneurship through innovation.
- Provides teachers with new ways to incorporate creative problem solving, collaboration, entrepreneurship and more into their classrooms.
- Introduces new, engaging, cutting-edge curriculum each year to ensure that our participants, both new and returning, have a dynamic and memorable experience.

## Program Flexibility

Camp Invention is comprised of 32.5 hours of programming with flexible scheduling options to meet your unique requirements. The Camp Invention program is aligned to education standards and designed to meet the needs of both primary and intermediate students. Our support team provides your teachers with ongoing assistance and coaching, every step of the way, ensuring your students will learn valuable life lessons that contribute to college and career readiness. We primarily use a parent-paid model—meaning parents pay the tuition. When parent funding is not an option, all of our educational programs also qualify for Title I, Title II, Title III, 21st CCLC, Migrant Education and Early Learning Challenge funding, as well as state and local district resource funding.

800.968.4332 • [www.invent.org](http://www.invent.org) • [NIHFatmyschool@invent.org](mailto:NIHFatmyschool@invent.org)

# 2018 CAMP INVENTION PROGRAM: FAST FORWARD



## Mod My Mini Mansion™

Children receive small boxes to build their house's structure, then get to work designing their smart home, inside and out. From talking mirrors to toasters that know how to cook their favorite foods, children invent and build models of these smart gadgets and gizmos. At the end of the program, children bring home their model dream home filled with smart ideas that could be the next big thing!

Participants will:

- Explore the Internet of Things and how smart devices are connected and controlled.
- Explore how power plants transform energy from renewable sources then apply this knowledge to incorporate smart power into their structures.
- Identify the letters of binary code and use them to create a message.



## Robotic Pet Vet™

Children become robotic pet veterinarians and receive their very own robotic dog they get to personalize and bring home. Throughout this module, participants diagnose puppy problems and design and build dog parks as they hammer out their ideas for the best dog park attraction.

Participants will:

- Use real tools to take apart robotic dogs and compare their inner mechanics to the biology of animals.
- Use spatial reasoning to construct a dog park.
- Analyze the simple machines used to make their robotic dog move, bark and light up.



## Optibot™

Children explore sensors by experimenting with their own Optibot—a small driving bot that senses changes in dark and light surfaces. Land, sea and air vehicles inspire children to consider their surroundings so that they can design a futuristic vehicle that might one day be reality.

Participants will:

- Design tracks for their Bots to follow while exploring all the different modes of transportation.
- Explore the functionality of impact sensors using a small-scale crash test dummy.
- Discover how sensors are used in vehicles to create automated systems like the ones in self-driving cars.



## Stick To It™

Inventing is fun, but it isn't always easy. That's the inspiration behind *Stick To It* and what many Inductees of the National Inventors Hall of Fame know to be true. Children receive new challenges each day that inspire them to think big, be bold and never give up.

Participants will:

- Explore energy and force by launching rockets to knock socks off a clothesline.
- Estimate measurement of distance to build a robotic arm and retrieve coins.
- Explore non-Newtonian fluids and magnetism by using magnets to make slime move.



Camp Invention®

*Invent*  
**THE FUTURE  
TODAY**



**BUILD, DESIGN & CREATE!**



**TAKE HOME 2 ROBOTS!**



**HANDS-ON STEM FUN!**

**EXPLORE THE TECHNOLOGY BEHIND SELF-DRIVING CARS AND INVENT A VEHICLE OF THE FUTURE  
DESIGN FUTURISTIC DREAM HOMES WITH SMART FURNITURE AND SMART ENERGY  
BUILD AND PERSONALIZE A ROBOTIC DOG AND CONSTRUCT A ONE-OF-A-KIND DOG PARK**

### **EASY WAYS TO SAVE\***

**\$25 off**

When you sign up by  
3/23/18 using the  
promo code **IDEAS25**.

**\$15 off**

When you sign up between  
3/24/18 and 5/4/18 using  
the promo code **IDEAS15**.

**\$25 off**

per sibling when you  
register 2 or more siblings  
using the promo code **SIBLING**.

\*Discounts cannot be combined.

#### **Your local Camp Invention site information:**

Price \$250 (before discount) | For children entering grades K-6  
Register at [campinvention.org](http://campinvention.org) or 800.968.4332.

Orange Avenue School | 901 Orange Avenue, Cranford, NJ 07016  
July 9 - 13, 2018 from 8:30am - 2:45pm | July 16 - 20, 2018 from 8:30am - 2:45pm

Directed by Beth Lambe  
[campinventioncranford@gmail.com](mailto:campinventioncranford@gmail.com) | (908) 709-6244

**Children can attend both weeks of Camp Invention as there is no concept overlap.  
Take home robots exclusive to first week program only.**

**IF THESE DATES/TIMES DON'T WORK FOR YOU, PLEASE VISIT [CAMPINVENTION.ORG](http://CAMPINVENTION.ORG) FOR OTHER LOCATIONS NEAR YOU.**



*Inspiring future innovators*



Investors in Creativity and Invention  
**AbbVie Foundation**  
**Army Educational Outreach Program**  
**Ford Motor Company**

© 2017 National Inventors Hall of Fame®, Inc.

**Burton D. Morgan Foundation**  
**Nordson Corporation Foundation**  
**Duck Tape®**

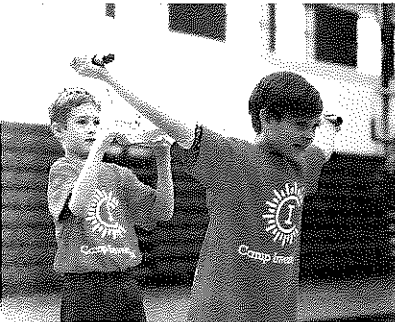


Gary Sharp,  
National Inventors Hall of Fame  
Inductee, inventor of  
3D Projection Systems



National Inventors  
Hall of Fame®

*Inspiring future innovators*



# Imaginations get their rocket fuel at Camp Invention.

Children are presented with fun, hands-on challenges that encourage creative problem solving, teamwork, entrepreneurship, and innovation. Inspired by the **Inductees of the National Inventors Hall of Fame**, this summer's all-new curriculum allows children to:

**Create** their own personal, ultimate Spy Gadget Alarm Box by taking apart and upcycling everyday machines.

**Explore** a distant new exoplanet and design inventions to create the next Earth.

**Launch** water rockets, build Bubble Blasters, and engineer giant castles.

**Design** duct tape products and pitch them to mock investors.

We are a **national non-profit organization** and all of our Camp Invention program activities are led by **experienced local educators**.

See us in action at [campinvention.org](http://campinvention.org)



## SECURE YOUR SPOT TODAY!

Register at [campinvention.org](http://campinvention.org) or 800.968.4332. Spots available on a first-come, first-served basis.

### Township of Union Public Schools Presents Camp Invention!

Price **\$250** | For children entering **1st - 6th grade** | Register at [campinvention.org](http://campinvention.org)

**Jefferson Elementary School** | 155 Hilton Avenue, Vauxhall, NJ 07088

**July 31 - August 4, 2017 from 8:30am - 3:00pm**

**August 7 - 11, 2017 from 8:30am - 3:00pm**

Directed by Mary Ellen Patricco  
[mpatricco@twpunionschools.org](mailto:mpatricco@twpunionschools.org)

**Activities differ each week so you can attend both programs with no concept overlap.**

*If these dates/times don't work for you, please visit [campinvention.org](http://campinvention.org) for other locations near you.*

© 2016 National Inventors Hall of Fame, Inc.

In partnership with



UNITED STATES  
PATENT AND TRADEMARK OFFICE

Investors in Creativity and Invention

AbbVie Foundation  
Army Educational Outreach Program  
Ford Motor Company

The Burton D. Morgan Foundation  
Nordson Corporation Foundation