



THE LAUNCHPAD FOR YOUR IMAGINATION



EXPLORE THROUGH FUN, HANDS-ON ACTIVITIES • **IMAGINE**, CREATE & BUILD THE NEXT BIG THING
DESIGN PROTOTYPES TO SOLVE UNIQUE CHALLENGES • **COLLABORATE** IN TEAMS AND DISCOVER NEW IDEAS!

**SPOTS AVAILABLE ON A FIRST-COME, FIRST-SERVED BASIS,
REGISTER TODAY!**

Your local Camp Invention site information:

Price **\$125** | For children entering or just completed **K - 6th grade**

Ashley Academy | 1502 Knob Creek Road, Johnson City, TN 37604

June 12 - 16, 2017 or July 17 - 21, 2017

from 9:00am - 12:00pm

Directed by Amy Weber
aweber@ashleyacademy.com

Please contact Amy Weber at aweber@ashleyacademy.com for additional information or to register.

See us in action at campinvention.org



Inspiring future innovators



Investors in Creativity and Invention
AbbVie Foundation
Army Educational Outreach Program
Ford Motor Company
The Burton D. Morgan Foundation
Nordson Corporation Foundation

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2017 CAMP INVENTION PROGRAM: LAUNCH



DUCT TAPE BILLIONAIRE™

As DIY duct tape experts, children design products that they can market and sell. They explore how to create duct tape accessories and then put their own patented spin on them. They build inventory, get ready to take some risks and create a start-up business that will put their products in high demand.

Participants will:

- Become an entrepreneur and bring an invention to a mock market
- Create duct tape money bags to hold their capital
- Launch their businesses and pitch their products to mock investors



HAVE A BLAST™

Teams compete in friendly air battles and use physics to boost their advantage. Children build and take home their own high-tech Bubble Blaster, complete with flashing lights. They engineer an enormous cardboard castle, design “snowball” throwers, make a giant air cannon, launch water rockets, and fling rubber chickens.

Participants will:

- Apply principles of engineering to create a castle from cardboard and design a pulley system to raise a castle flag
- Build an air cannon that can demonstrate how air moves in response to force
- Employ the concepts of physics and motion to engineer aerodynamic water rockets out of plastic water bottles that can soar more than 50 feet



MISSION SPACE MAKERS™

Participants are on a mission to locate and prepare a new planet for human habitation. They terraform a distant new exoplanet—designing inventions to transform its atmosphere, terrain, and ecosystem to create the next Earth. They set up a Space Lab to hatch eggs, sprout living plants and grow crystals.

Participants will:

- Explore National Inventors Hall of Fame Inductees and NASA engineers who have designed and built telescopes, rockets, and observed planets outside of our solar system
- Build a space rocket and launch it to land on their exoplanet as they investigate rocket science
- Protect their team’s Space Lab from a meteoroid storm, search for fallen meteorites, and identify their type



OPERATION KEEP OUT™

Children take apart machines and devices and use their parts and pieces to create the ultimate Spy Gadget Alarm Boxes to help millions of children keep their treasures secure. During the week, they figure out how to read a note written in invisible ink to find a missing tool, use spy glasses to catch a toy thief, and discover that both spies and engineers write in secret codes!

Participants will:

- Dissect appliances, using tools correctly and safely to investigate how machines work through the process of reverse engineering
- Explore how their machine pieces and parts might be used in a Spy Gadget Alarm Box
- Express ideas through writing and sketching in their Inventor Logs



What is Camp Invention?

Camp Invention is a week in the summer where your child's creativity, innovation, and problem-solving skills are challenged and developed in fun and exciting ways. Our top priority is to inspire future innovators and build their confidence in the natural ability to dream and create.

Camp Invention will be offered for two weeks at Ashley Academy. See the attached sheet for a more detailed description of the modules offered during each week. The cost for each camp is \$125.

_____ **Week 1** **June 12-16** 9:00 a.m. – 12:00 p.m.

- Duct Tape Billionaire
- Mission Space Maker

_____ **Week 2** **July 17-21** 9:00 a.m. – 12:00 p.m.

- Have a blast
- Operation Keep Out

Name of Camper: _____

Age: _____

Grade Level completed: _____

Parent: _____

Email address: _____

Cell #: _____