



THE CAMP INVENTION DAILY SESSION 3

At Camp Invention®, your child is given the freedom to think of new, innovative ideas. Throughout the week, children are reminded of their rights as creators. They receive valuable insights and encouragement from world-changing inventors — National Inventors Hall of Fame® Inductees — to embrace creative thinking and to problem solve their way to success!



HERE'S WHAT'S HAPPENING AT CAMP!

SolarBot

First, we investigated one of the cricket's predators, the spider, and we discovered some unique and incredible features of different kinds of spiders. Then, we used a brainstorming tool called webbing and applied our arachnid knowledge to invent a way to protect our SolarBots from predators. **Ask your innovator how they protected their SolarBot today.**

DUCK CHUCK

Today we explored how different fulcrums affect how far we can throw our ducks. Then, we propelled ourselves into an exploration of velocity and used this knowledge to improve our duck-chucking devices. Finally, we used our critical thinking skills to modify our launcher and create the ultimate duck-chucking device! **Ask your innovator how far their duck can fly.**

OPEN MIC

We created prototypes of our inventions to better communicate how they might work. We even learned some neat DIY tips on how we can use cardboard in unique ways to add strength, flexibility and improved function. **Ask your designer about their favorite DIY tip.**

ROAD RALLY

Today we examined the unique features and adaptations of several animals and plants to select which ones we want to incorporate into our super-morphing vehicle. We heard from NIHF Inductee Margaret Wu about the power of making one small change, and then we changed our vehicles to operate with a pulley-and-belt system! **Ask your inventor to tell you how their vehicle morphs to travel in the air and underwater.**

© 2021 National Inventors Hall of Fame®, Inc.

CONNECTION QUESTIONS

1. What is fun about solving challenges?
2. What are you looking forward to tomorrow?
3. Which activities did you enjoy the most?



National Inventors
Hall of Fame®
EDUCATION PROGRAMS

For more information, visit invent.org/camp
or call 800-968-4332.

UNITED STATES
PATENT AND TRADEMARK OFFICE

uspto

WE'VE GOT THE SKILLS TO TAKE ON ANY CHALLENGE

As we have fun at camp, we're also building the skills and traits that make up the Innovation Mindset — a powerful mindset that puts lessons from great inventors into action!

Design Thinking

Through design thinking, we're learning to identify and solve problems in ways that can help others.

Confidence

We're building confidence and seeing ourselves as capable creators as we turn our ideas into reality.

Creative Problem Solving

We're using critical and creative thinking to come up with solutions to real-world problems.

STEM

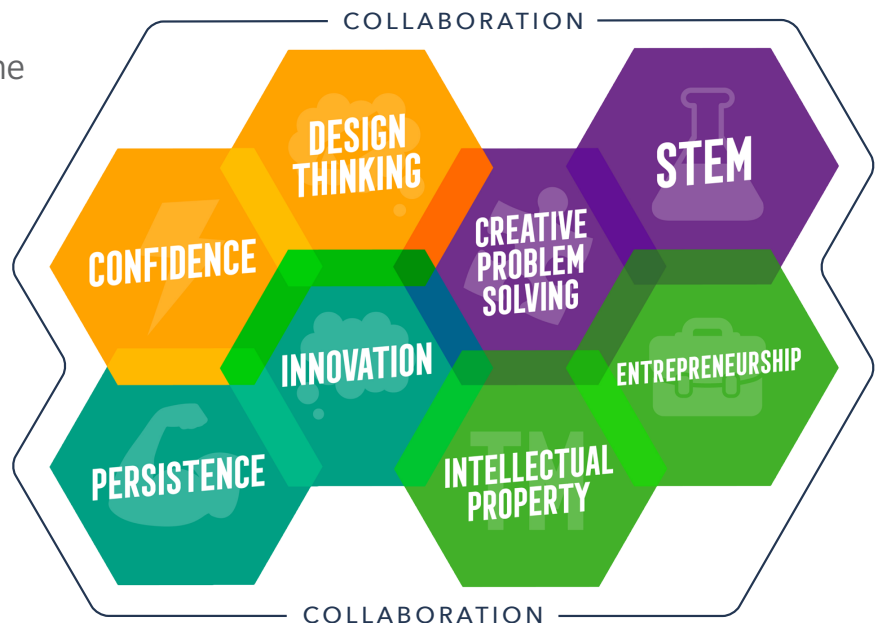
We're learning about the world around us as we explore science, technology, engineering and math.

Persistence

As we create and test our inventions, we're learning to recover from failure and overcome obstacles.

Innovation

Our hands-on challenges help us dream up new inventions and improve on existing ones.



Intellectual Property

We're discovering the power of intellectual property and recognizing the value of our own ideas.

Entrepreneurship

We're becoming curious, creative risk takers and leaders as we build basic business skills.

Collaboration

Through teamwork, we're learning to show empathy and acceptance of people and ideas.

LET'S HEAR FROM AN INDUCTEE!



"I DON'T THINK ANYONE MAKES ANYTHING TODAY WITHOUT HELP FROM OTHERS."

George Alcorn
Inventor of the X-ray Spectrometer
NIHF Inductee

Learn about George Alcorn and other NIHF Inductees on our YouTube page! Scan the QR code or go to [YouTube.com/NationalInventorsHallofFame_NIHF](https://www.youtube.com/NationalInventorsHallofFame_NIHF).

