



Camp Invention®

THE CAMP INVENTION DAILY SECOND DAY



CAMP INVENTION AT HOME

DIY: HYDROPHOBIC SAND!

Hydrophobic sand is sand that never gets wet! Make hydrophobic sand at home with a couple common ingredients: sand and Scotchguard™. Spread the sand in a single layer onto a piece of cardboard. Spray the sand with Scotchguard™. Let it dry. Now, amaze friends and family with the curious hydrophobic properties of this sand!

NIHF Inductees Patsy Sherman and Sam Smith were working at 3M Company when they created Scotchguard™ after an accidental spill of a chemical showed resistance to water and oily liquids.

Visit invent.org/blog for more at-home STEM activities!

WHAT'S HAPPENING AT CAMP

FARM TECH™

Which crops in the market are in high demand, but low supply? We considered this as we chose what we would grow on our farms. Then, we attached a seeder to Bot ANN-E and programmed it to plant the seeds! Pollination was all abuzz as we invented our own pollinating devices. While harvesting, we discovered an invasive slug – yikes! We saved the crops and earned more Moola.

INNOVATION FORCE®

Today we heard from National Inventors Hall of Fame® (NIHF) Inductee Sumita Mitra, an Innovation Force team member and dental innovator, and discovered how her invention strengthened and brightened smiles. With the help of a super strong material, we invented a prototype to retrieve and release ideas from the Plagiarizer's lair.

DEEP SEA MYSTERY™

High winds damaged our ships and caused the navigation equipment to fail. NIHF Inductee and master navigator Stan Honey helped us use nature's clues to find our way to an island to repair our vessels. My Polaris Projector Scope is a souvenir from this expedition.

DIY ORBOT™

Today, we heard from NIHF Inductee Ching Tang, co-inventor of the Organic Light Emitting Diode. He shared the keys to unlocking scientific discovery – experimentation and observation. We used these keys today as we engineered structures for our DIY Orbots to drive over or under. Then, we earned a Civil Engineer certification for building sturdy bridges and tunnels.

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CONNECTION QUESTIONS

1. What did you find challenging today? How did you handle it?
2. What materials have you been using to create your inventions?
3. What materials do you like to use most?



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