

Season 1 Episode Descriptions

101

SEASON PREMIERE: “Apache Skateboarders”

On the premiere episode of *Design Squad Nation*, Ronnie—a 17-year-old skateboarder from the White Mountain Apache Reservation in Whiteriver, Arizona—teams up with co-hosts Judy and Adam to build a skateboarding street course. Engineered to be modular, durable, and weather-resistant, this is the skate park of Ronnie’s dreams.

102

“It’s Alive!!!”

Judy and Adam join forces with Jennifer—a young pastry chef from Boston, MA—to create the cake of her dreams for the cast party of “Young Frankenstein: The Musical.” With guidance and inspiration from master baker Jorg Amsler of Truly Jorg’s Patisserie in Saugus, MA, the team engineers a cake that is part delicious, part electronic, and part mad scientist—wowing the musical’s cast and crew.

103

“Garden-to-Go”

Judy and Adam travel to London, England to meet Mariam and Bert, two young members of Global Generation—a community organization that grows fruits and vegetables in one of London’s largest construction sites. Bringing new meaning to the phrase “eat locally, build globally,” Mariam and Bert work with Adam and Judy to design and build a pedal-powered mobile garden that will help them sell their produce to nearby restaurants.

104-105

“A Cut Above” Parts 1 and 2

Judy and Adam travel to New York City, the fashion capital of the United States, to meet up-and-coming designers Eduarda and Juan. Eduarda and Juan’s dreams come true when fashion designer Christian Siriano challenges them to showcase their individuality and creativity by drawing upon Judy and Adam’s engineering know-how to re-interpret a gown from his collection. Their red carpet-worthy designs are treated to a surprise critique when two editors from *Teen Vogue* magazine join Christian at a fashion shoot.

106

“Musical Bike”

Judy and Adam meet Beatriz in her hometown of Emeryville, California to help her combine her passion for music and bike building. Working at The Crucible—a non-profit educational foundry and metal fabrication shop—they design and build a pedal-powered bike organ for Beatriz to unveil at her high school block party.

Major funding



Series funding



NORTHROP GRUMMAN
Foundation

the **Lemelson** foundation
improving lives through invention

Additional funding

NOYCE
FOUNDATION



motorola
foundation

IEEE
Celebrating 125 Years
of Engineering the Future

107

“DIY Playground”

Judy and Adam journey to the northern mountains of Nicaragua to work with the kids of Cusmapa to build the playground of their dreams. With the help of the Fabretto Children’s Foundation, a non profit organization that helps local children reach their full potential, the entire community pitches in, working from the ground up to build Cusmapa’s first playground.

108-109

“One Giant Leap” Parts 1 and 2

Judy and Adam invite Felipe—an accomplished 15-year-old pilot from Miami, Florida—to compete in the 2010 Red Bull Flugtag competition. Together, they team up with NASA to design and build a humanpowered flying machine. With their NASA-inspired glider design, Team *One Giant Leap* soars off a 30-foot high deck, impressing the judges with distance and style.

110

SEASON FINALE - “Trash to Treasure”

For the season finale, *Design Squad Nation* asked kids across the country to recycle, re-use, and re-engineer everyday materials into the next big invention in the 2010 Trash to Treasure contest. Three grandprize winners visit Boston to work with professional engineers at Continuum, a global innovation and design consultancy, to see their original ideas become real products.