

MAKING STUFF 2

WITH DAVID POGUE

4 X 53 HD



wilder



faster



colder



safer



PBS®

INTERNATIONAL

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4 X 53 HD

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In this four-part special, *New York Times* tech-columnist David Pogue takes a wild ride through the cutting-edge science that is powering the next wave of technological innovation. *Making Stuff 2* meets scientists and engineers who are plunging to the bottom of the temperature scale, finding design inspiration in nature, and breaking every speed limit.

Wilder

What happens when engineers open up nature's toolbox? *Wilder* explores bold new innovations inspired by the Earth's greatest inventor, life itself. NOVA travels the world to see the wildest ideas put into action in new inventions and technologies, including underwater Wi-Fi based on dolphin communication, robotic "mules" and "cheetahs" for the military, and swarms of robotic bees.

Faster

Humans have always had the basic urge to go faster. But are there physical limits to how fast we can go? NOVA investigates everything from electric muscle cars and ultrafast cameras to quantum teleportation, finding that speed is more than just getting us from place to place—it is also about getting things done in less time. NOVA's quest for speed goes from the floor of the New York Stock Exchange to UPS headquarters and inside a packed 737 airplane.

Colder

Cold may hold the key to a new generation of science and technology that will improve our lives. *Colder* explores the frontiers of cold science in saving the lives of severe trauma patients and cooling a warming planet. The program also examines ultracold physics, where bizarre new properties of matter are the norm and form the basis of new technologies like levitating trains and quantum computers.

Safer

Is it possible to engineer an absolutely safe world for ourselves? *Safer* explores the extent to which science and technology can protect us from monumental forces of nature like earthquakes and epidemics. NOVA challenges researchers to save us from dangers of our own making, such as traffic accidents and contact sports. *Safer* also delves into cyber security, where computer experts work to shield us from attacks from hackers and terrorists.

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NOVA

CREDITS

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