

# off the fence.

## Future Makers

4 x 60'

EPISODIC BREAKDOWN

### 1. Rethink Ocean and Land

Adam Gobi, 33 is creating pioneering robotics to examine the previously unseen depths of the ocean and is taking these leading-edge subsea cameras from the domain of science, to everyday people. Adam developed the extreme cameras for James Cameron used to film the Titanic wreck at the bottom of the North Atlantic.

Marine ecologist, biologist, and explorer Maeva Gauthier, 36, founder of the Fish Eye Project in Victoria, British Columbia, uses technology to educate students about the world's oceans by bringing the ocean into the classroom.

Kahlil Baker, 34, is the founder of Taking Root, a non-profit organization that develops social reforestation projects in collaboration with small-scale farmers in Nicaragua.

Founded by serial entrepreneur Mohamed Hage, 34, and his wife Lauren Rathmell, 28, Lufa Farms have created the world's first commercial, economically sustainable rooftop greenhouses in the middle of a large urban area.

### 2. New Medicine and Mental Health

For the Robb Nash Band, performing is a matter of life and death. Using music to spark tough conversations on depression and suicide among youth, Robb Nash, 35, inspires hope one concert at a time.

After a diagnosis of MS changed her life, 29-year-old aspiring Olympic athlete Crystal Phillips founded the Branch Out Foundation, an institute that funds the investigation of a new area of medicine blending holistic and conventional approaches to health.

Charles DeGuire, 33, inspired by his brother, created a robotic arm dubbed 'JACO' – an intuitive, flexible design that attaches to a wheelchair and becomes an extension of the person using it.

PhD Dan Werb, 36, an award-winning epidemiologist and journalist with expertise in HIV is on a mission to change the way we think about drug addiction

### **3. Social Entrepreneurs**

Mayaan Ziv is a 25-year-old fashion photographer turned accessibility advocate and app developer. Born with muscular dystrophy, Mayaan is planning to map the world with her app Access Now.

Andrew Hall and Jeremy Bryant are 26-year-old cousins from who founded MealShare. For every meal ordered at a participating restaurant, a dollar is donated that buys lunch for a hungry child.

Nadia Hamilton, 29, is president and founder of Magnusmode, the company behind the groundbreaking digital life skills app for youth and adults with cognitive special needs such as autism that helps them find their own way in the world.

Gabriel Lopez, 33, is using his program Youth Fusion in schools from downtown urban areas to the most remote communities, to captivate at risk kids with yearlong arts and science projects and reverse dropout rates.

### **4. Breaking Boundaries**

Dr. Shawna Pandya, a 32 year old physician and neuroscientist is a citizen scientist- astronaut candidate to voyage into outer space with NASA-supported project PoSSUM. Shawna volunteers for a test flight to evaluate a new spacesuit prototype for the space-tech company Final Frontier.

Toronto-based Partisans design and architecture firm was co-founded by Alexander Josephson, 33 with the mantra of re-inventing urban architecture utilizing a future-forward approach. Alexander leads the nerd-cool design team (average age 26) on new design projects and shares experiences of recent design accomplishments.

At 17, Maya Burhanpurkar is a brilliant young scientist, inventor, award-winning filmmaker, STEM champion and explorer. At her young age she has already made groundbreaking discoveries in medicine and physics. Maya is part of a university institute team designing and testing a self-driving robotic wheelchair. We also see Maya working as an advocate to encourage more girls to pursue careers in male-dominated science.

Of Arabic descent, 27-year old Caro Louffi learned the value of democracy from her father who escaped Lebanon as the civil war began. Caro is on a life's mission to make democracy cool and increase voter turnout among apathetic millennials through art and technology. As Executive Director of Apathy is Boring, Caro launches a 5 city outdoor photo projection project to engage millennials with remarkable results.