

Bang Goes the Theory Series 2

Testing science to its limits, with big experiments and team challenges



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Programme running: 8 x 30 mins Production: BBC

An irreverent and fun magazine-style series puts science to the test. Through team challenges and big experiments, our experts investigate everything from forensic science to a car filled by junk.

Episode One

Zoologist Liz Bonnin goes behind the scenes of the real CSI to meet the scientists working with the police to solve crimes, and engineer Jem Stansfield attempts to smash a land speed record with the help of a fire extinguisher and a go kart. Dallas Campbell goes on a journey to discover what will happen when we run out of oil and Dr Yan Wong tackles unsuspecting shoppers with a bowl of marmite and a simple question – why are clouds white?

Episode Two

Engineer Jem becomes a crash test dummy to discover how many Gs his body can take. Liz gets the Olympic treatment for a fundraising sports charity. Dallas enters the weird world of the atom and roving reporter Dr Yan dives into a shark tank to explain why there are no long snorkels.

Episode Three

The team face more fun experiments and challenges. Dallas takes on the latest lie detection technology and Liz looks at the dilemma that threatened to undermine her hero, Charles Darwin. Jem faces his toughest challenge yet, to build a human powered hydrofoil, and Dr Yan gets on the 3D bandwagon.

Episode Four

Jem hits the furnace to make steel and discovers how it built the modern world. Liz investigates whether science can help us live forever. Dallas turns into a dolphin with the help of the latest US technology and Dr Yan challenges museum visitors to make fire out of thin air.

Episode Five

Jem visits a power station to explain why steam is still powering the country. Liz meets the scientists who were in the front line during the swine flu pandemic. Dallas hits the slopes to discover the science behind skiing. Dr Yan heads to a chocolate factory to reveal science that puts Willy Wonka to shame.

Episode Six

Dallas hits the streets to discover what makes us happy. Liz travels to Norway to investigate the latest technology to combat climate change. Jem puts himself in harm's way in avalanche country and Dr Yan sets an optical illusion challenge for a local community group.

Episode Seven

Jem straps a racehorse to his car to explain what horsepower is. Liz sets Dallas a free diving challenge that leaves him gasping for air. Dr Yan shows shoppers how to burn steel and Dallas goes to CERN to see how a cosmic tea party created everything in the universe.

Episode Eight

Liz looks at how smell works. Dallas investigates new evidence that the origins of life on earth might have begun in space. Dr Yan is handing out free wine to shoppers and, on the 25th anniversary of Back To The Future, Jem attempts to build a car that is fuelled by junk.

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