

Bang Goes the Theory Series 3

Putting science to the test, from predicting volcano eruptions to how to control oil wells.



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Programme running: 6 x 30 mins Production: BBC

Episode 1

The popular science magazine show 'Bang Goes the Theory' is back putting more science and technology to the test. In the first episode, the team investigate the recent Gulf of Mexico oil disaster. Zoologist Liz Bonnin goes to Louisiana and takes part in the rescue effort to protect the area's wildlife, while Jem Stansfield builds a scale model to explain what happens when an oil well gets out of control and how to bring it back under control. Meanwhile, Dallas Campbell proves Einstein's theory of relativity with the help of a jet plane and a very expensive atomic clock.

Episode 2

In the second episode of the series, the team take on more scientific challenges. Liz looks at the science behind sunburn and discovers how much sun damage she has on her face. Dallas tries to make museum visitors younger and smarter in a series of psychological experiments. Jem proves that wheels don't have to be round by building a square wheeled skateboard.

Episode 3

Liz conducts an experiment into jetlag and how to avoid it. Dallas demonstrates the size of the solar system with the help of a bicycle and a fruit bowl. Jem upgrades his square wheeled skateboard to a motorbike and then tries to jump it into the record books.

Episode 4

Dallas looks at the origins of our weather and explains how the emergence of seasons allowed life to form, all with the help of a grenade launcher. Jem travels to Scotland to check out the latest green technology: wave power. Liz meets Richard Dawkins to discuss evolution.



Episode 5

Liz visits the volcano that brought air travel to a standstill and examines its aftermath and the likelihood of a re-occurrence. Dallas blows the budget in Vegas to explain why we are so bad at predicting probabilities and Jem borrows a solar furnace in France to demonstrate the awesome power of the sun.

Episode 6

In the final episode of the series, Jem faces his toughest challenge yet, to build a boat made out of ice and to take it and the rest of the team for a spin in one of the UK's busiest stretches of water. Dallas investigates the world of comets and tries to build his own. Meanwhile to get ready for the ice boat extravaganza, Liz looks at the science behind hypothermia and gets repeatedly dunked into ice cold water.

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