

**Film Fest 2017
20th Anniversary!**

With

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This document can be found at:

<http://www.exo.net/~emuller/filmfest/>

***actually shown**



Exploratorium and TI

*[Strandbeests](#) (:30)

*Season 4 Episode 4: [The Contest / Prove It!](#) (start at 20:30 - for 4 minutes)

[Viscosity Bar](#) (2:05) (Science of cocktails)

Snacks

*[Snack- feeling pressured](#) (5:08)

Stithsonian

[Under pressure](#) (1:05)

FYFluidDynamics aka FYFD

*The Brazil Nut Effect (3:50)

<https://www.youtube.com/watch?v=ktA9CjbvDRo>

Sneak Peek at the Boston Molasses Flood Project (2:31)

<https://www.youtube.com/watch?v=w1SeY8f0BE>

Simpsons

*[Strandbeests](#) (:54)

*[Conservation of momentum](#) (1:41)

[Zero Gravity](#) (1:06)

[Simpsons education](#) (:51)

Biology

*[Why did the Fish cross the road?](#) (4:30)

[Micromigrations](#) (2:17)

BBC

['Brinicle' ice finger of death filmed in Antarctic](#) (2:14)

[Battle at Kruger](#) (8:24)

[Squid Chromatophore dance to music](#) (3:31)

*[Cephalopod hunting MBARI](#) (1:14)

Chemistry

[Turmeric fluorescence and indicator](#) (2:29)

[Pressure balloons](#)(5:30)

[Ring of truth with julia childs](#) (4:08)

[Flaming orange peel squeeze slow mo](#) (1:30)

[Orange oil squeeze 1000 gs](#) (1:16)

*[Platinum - Periodic Table of Videos](#) (5:47)

[Everything Matters The Exploratorium Guide to the periodic table, index.](#)

Physics

Throat Sining:

[Tuvan throat singing](#) (5:42)

[polyphonic overtone singing](#) - Anna-Maria Hefele

[Roller movie - off the rails](#)(7:24)

*[Lighting hit car](#) (:36)

* [Lightning hit pole Gif](#) (0:14)

[Sound levitation](#)(4:33)

Gravitational waves

Brian Greene (3:04)

<https://www.youtube.com/watch?v=UXm2ofYgQco>

* Paul Doherty (0:15)

https://www.youtube.com/watch?v=txar_gzT14c&feature=youtu.be

Ultimate Gravitational wave explanation (membrane) (10:37) (show 6:00)

<https://www.youtube.com/watch?v=dw7U3BYMs4U>

[Train and warning](#) (1:34)

Bullet vs Prince Rupert's Drop at 150,000 fps - Smarter Every Day 165 (8:39)

<https://www.youtube.com/watch?v=24q80ReMyq0&feature=youtu.be>

*[2016 Fall Leaves](#) (:58)

[Walle Firexstinguisher](#) :11

*[Pascal's Barrel](#) (6:50)

*[Tires down a ski jump](#) (6:14) skip to end.

[Runaway Truck Ramp](#) (1:15)

[Living not in the Bay Area](#) (1:40)

[Frozen Soap Bubbles](#) (1:20)

*[Zea](#) (5:20)

Geology

- [Scientist gets too close to lava lake!](#)(4:03)
- [Drone in Volcano](#) (1:45)
- [Marie Tharp: Uncovering Continental Drift](#) (4:33)
- * [Flash Flood California](#) (1:11)
- * [Lave torrentielle, Murgang, debris flow](#) (only need first 1:00)
- [NOAA Science on a Sphere Earthquakes](#) (3:39)
- [New Zealand Quake cliff face](#)(1:31)
- [New Zealand fault rupture drone footage](#) (1:50)
- [Continental Drift: Alfred Wegener Song by The Amoeba People](#) (3:03)

Astronomy

- * [Landing on Titan](#) (2:27)
- [Rocket Retry](#)(:44)

Math

- * [Bricks](#) (0:52)
- [Bricks and math](#) (3:59)
- [Journey to the Center of a Triangle](#) (8:35)

Perception

- * [The Wilhelm Scream Compilation](#) (2:58)
- * [Pretty Celebrities Turn Ugly](#) (0:58)

Measurements:

- * [Are Imperial Measurements outdated? |](#) Number Hub with Matt Parker (2:50)
- * [OCC vs Metric System](#) (2:31)
- [Smoots](#)(12:43)
- [To Scale: The Solar System](#) (7:07)

Engineering

- [See through combustion engine \(8:12\)](#) + Paul Story
- [Dropped bolt Safety](#) (1:17)
- [How Engineers play basketball](#) (3:35)

Science and Scientific method:

- [Monty python-witch](#) (4:55)
- * [Look around](#) (2:35)
- * [Scientific Studies: Last Week Tonight with John Oliver](#) (HBO) (start at 14)
- [Why Do I Study Physics](#) (3:15)

Cool

- [Vortex](#) (:05)
- [Toothpick star](#) (2:21)
- * [Squirrel vs Slinky](#) (0:38)

* [Squirrel vs slinky](#) (0:07)

[Ice Music](#) (4:30<https://www.youtube.com/watch?v=mG2uFviNWXU>)

Danny McAskill (6:42)

[A wee day out](#)

Magnets and marbles [Rube Goldberg](#) (4:04)

Strange and fun

[Medieval helpdesk with English subtitles](#) (3)

[Ipad cutting board](#) :44

[Wind Games dance in a Wind tunnel](#) (2:21)

* [Letterman](#) (33 minutes in)

[Science Jokes - CONAN](#) (2)

Commercials

[Museum of Science](#) (:31)

[Subaru on a Bobsled run](#) (1:58)

[Slow Mo sneeze](#) (1:36)

* [Doritos® Ultrasound](#) (:30)

[RokBlok bluetooth record playing self propelled box](#) (1:05)

[Pet Safe poop conspiracy](#) (2:12)

[Bugger](#) (:55)

Don't try this

[10 exploding 44 gallon barrels shooting 100m in the sky](#) (:49)

* [Snowboarder caught in avalanche, survives with inflatable backpack](#) (1:38)

[Skiing a mountain ridge](#) (1:43)

[Dunk a biscuit in tea from 250 ft](#) (1:15)

Channels

A Capella Science

* [All About That Base](#) (No Acid) (3:40)

[RHNB](#)

* [Floral Foam](#) (3:16)

Backyard Scientist

? [Oobleck](#) (from 3 to 4min in)

Hydraulic Press

* [Diamond vs Hydraulic Press](#) (first 1 to 2 min)

* [Intro video](#) (1:20)

Will it Blend

* [Ipad](#) (1:40)

Hot Knife

* [EXPERIMENT Glowing 1000 degree](#) (first few minutes)

Slow mo Guys and Warped Perception

Slow Motion: [Index](#)

*[Ball in face](#) (1:22)

*[Watching Popcorn pop](#) (2:17)

[Water Balloons Free Falling](#) yet another group(1:06)

Microscope Channel

*[Index and threading a needle](#) (2:05)

Crazy Russian Hacker

[Glow stick ferrofluid](#) (3:37)

* [Coke plus liquid nitrogen](#) (2:27)

Just Knuckleheads

[Propane added to Coca-Cola take off like a rocket?](#) (2:22)

*[Microwave oven and champagne bottle](#)(2:40)

Intermission related:<https://www.youtube.com/watch?v=y8CoqWKCllc>

[Walk on water oobleck](#) (2:31)

[Film Fest - Ooblek Trek](#) (3:12)

Brick - find elsewhere

Snacks - Feeling pressured - Find elsewhere

*[Art - Shrink Performance @ Brucknerhaus](#) (4:24)

[Store front](#) (1:55)

[Machine with Wishbone](#) (7:33)

OK GO

*[The one moment](#) (4:42)

[OK go -upside down and inside out](#) (3:21)

Eclipse on August 21st

[Exploratorium Solar Eclipse Index web page](#)

* [Einstein's Light Bending Concept \(Paul D\)](#) (2:12)

[Why we don't have an eclipse every month \(Paul D\)](#) (1:55)

[Eclipse Path](#) (2:44)

Art:

[Black hole](#) (2:42)

[3D Printed Zoetrope Animation Process & Walk](#) (2:16)

Vanta black

[Science of Vanta](#) Black (3:44)

[Nano-tube](#) (1:58)

[A Very Large Increase...](#) (2:16)

Movies

Gravity

*[Gravity-Matt Kowalski's Death](#) - (2:26)

[Gravity Debris](#) (2:44)

The Martian

[Mark Rescue Final Scene \(1:56\)](#)

*[San Andreas](#) (4:00)

Buy this:

[This ball could save your life in a tsunami](#) (:39)

*[Protection from earthquake -bed](#)(1:57)

Future:

[Fastbrick Robotics: Hadrian 105 Time Lapse](#) (2:07)

[3d Printed house](#) (1:52)

The end

*[Exploding Whale](#) 2:36

Image of platinum nugget :<https://www.usgs.gov/media/images/rare-platinum-nugget>