

1

00:00:00,000 --> 00:00:03,000

Coming up, something near and dear to our hearts.

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00:00:03,000 --> 00:00:07,000

Movie myths, ones that we've done and ones that we're gonna do.

3

00:00:07,000 --> 00:00:10,000

It's the Mythbusters Hollywood special.

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00:00:10,000 --> 00:00:14,000

It's lights, camera, action.

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00:00:14,000 --> 00:00:17,000

As the Mythbusters go Hollywood.

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00:00:17,000 --> 00:00:20,000

In there you have a blood bag.

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00:00:20,000 --> 00:00:25,000

And pull the curtain back on a few myths straight off the silver screen.

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00:00:25,000 --> 00:00:27,000

Dude, our robot. Work!

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00:00:31,000 --> 00:00:33,000

Who are the Mythbusters?

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00:00:33,000 --> 00:00:35,000

Adam Savage.

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00:00:35,000 --> 00:00:37,000

I reject your reality and substitute my own.

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00:00:37,000 --> 00:00:39,000

And Jamie Heinemann.

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00:00:39,000 --> 00:00:41,000

I couldn't like it in here, it's private.

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00:00:41,000 --> 00:00:45,000

Between them more than 30 years special effects experience.

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00:00:46,000 --> 00:00:47,000

That was intense.

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00:00:47,000 --> 00:00:49,000

They don't just tell the myths.

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00:00:51,000 --> 00:00:53,000

They put them to the test.

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00:00:55,000 --> 00:01:00,000

So what are we gonna do?

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00:01:00,000 --> 00:01:04,000

Well, we're gonna look back at some of the Hollywood myths we've already tested on the show.

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00:01:04,000 --> 00:01:10,000

And with the help of our build team, we're gonna put some of the Hollywood staples that we haven't yet done to the test.

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00:01:10,000 --> 00:01:14,000

And we're gonna introduce you to an old friend of ours and the newest member of the Mythbusters team.

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00:01:14,000 --> 00:01:17,000

We got to build a robot, 20 hours, okay?

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00:01:17,000 --> 00:01:22,000

Robots got to shoot projectiles and breathe flames.

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00:01:23,000 --> 00:01:28,000

I'm Grant Imajara. I've been in the visual effects industry for about nine years now.

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00:01:28,000 --> 00:01:32,000

Worked on eight features so far. Dozens of commercials.

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00:01:33,000 --> 00:01:38,000

My specialty is electronics. Anything that lights up or moves.

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00:01:38,000 --> 00:01:41,000

Like this big screen icon.

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00:01:41,000 --> 00:01:42,000

Easy, really good.

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00:01:42,000 --> 00:01:46,000

Yeah, it's just so endure and some dome and find some car parts.

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00:01:46,000 --> 00:01:49,000

Grant Imajara is somebody that I've worked with for years.

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00:01:49,000 --> 00:01:55,000

And I usually consult with him on anything that's a little over my head regarding electronics.

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00:01:55,000 --> 00:02:05,000

He is able to almost instantaneously grasp a concept or technique and apply it to what he's doing right away and be able to get results with that.

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00:02:05,000 --> 00:02:12,000

But before Grant helps bust his first big screen myth, let's take a look back at one of Adam and Jamie's favorites.

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00:02:12,000 --> 00:02:15,000

Got two feet of water in here now.

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00:02:16,000 --> 00:02:20,000

Well, not all of the movie myths we've tested are complete works of fiction.

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00:02:20,000 --> 00:02:23,000

Some of them are actually inspired by real life events.

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00:02:23,000 --> 00:02:33,000

And I think we'd all agree that one of the granddaddies of the mall, the story that inspired a mythology all its own, is what happened to and on the Titanic.

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00:02:34,000 --> 00:02:40,000

In this experiment, the boys set out to put one Titanic sized myth to the test.

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00:02:41,000 --> 00:02:45,000

Would a sinking ship suck you under as it went down?

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00:02:45,000 --> 00:02:48,000

Or was that just Hollywood hype?

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00:02:48,000 --> 00:02:54,000

Well, apparently the ship moving through the water rapidly towards the bottom will create a vortex above it.

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00:02:54,000 --> 00:02:57,000

Kind of like drafting behind a truck when it's on the highway.

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00:02:57,000 --> 00:03:03,000

To recreate this vortex theory, the mythbusters first needed a boat.

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00:03:03,000 --> 00:03:07,000

Sure, they wanted to sink an actual ocean liner in the open seas.

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00:03:07,000 --> 00:03:13,000

But this was a TV show after all, not the largest grossing movie of all time.

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00:03:14,000 --> 00:03:20,000

So they settled on a 14 ton tugboat for their maiden voyage to the bottom.

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00:03:20,000 --> 00:03:24,000

It's a nice solid little hunk of steel. I think it ought to go down like a rock.

48

00:03:24,000 --> 00:03:29,000

Of course, this boat wasn't built to sink, but Jamie fixed that.

49

00:03:29,000 --> 00:03:31,000

We're going to go cut some holes in the boat.

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00:03:34,000 --> 00:03:38,000

An inspired name change was made.

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00:03:38,000 --> 00:03:41,000

The ill-fated vessel launched.

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00:03:41,000 --> 00:03:44,000

And the anxious passengers loaded.

53

00:03:44,000 --> 00:03:46,000

The moment of truth.

54

00:03:48,000 --> 00:03:51,000

They're only opening one valve, one valve.

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00:03:51,000 --> 00:03:55,000

We've got about two feet of water in here now.

56

00:03:57,000 --> 00:04:00,000

Okay, be careful. It might roll and you get caught.

57

00:04:00,000 --> 00:04:02,000

One more.

58

00:04:02,000 --> 00:04:05,000

Yeah, it's going to go this far.

59

00:04:05,000 --> 00:04:07,000

Be careful.

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00:04:11,000 --> 00:04:14,000

Stay with it. Stay up. Stay with it.

61

00:04:14,000 --> 00:04:16,000

There you go.

62

00:04:18,000 --> 00:04:21,000

Did it suck you down, dude?

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00:04:21,000 --> 00:04:24,000

Have you seen how nobody gets sucked in?

64

00:04:26,000 --> 00:04:27,000

No suction.

65

00:04:27,000 --> 00:04:29,000

No suction at all.

66

00:04:29,000 --> 00:04:34,000

I could not have been more central to the boat where it went down.

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00:04:34,000 --> 00:04:38,000

I sat on it, the entire boat just dropped underneath me.

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00:04:38,000 --> 00:04:42,000

And I hit the water, my neck hit the water, and I never went any lower.

69

00:04:42,000 --> 00:04:46,000

So I say, let's get this puppy back up and call it a day. I need a drink.

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00:04:46,000 --> 00:04:50,000

So the Titanic myth? Well, it went down with the ship.

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00:04:52,000 --> 00:04:56,000

Hollywood's always trying to jazz things up to make things real spectacular.

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00:04:56,000 --> 00:05:02,000

But sometimes when we get into a myth, the truth actually turns out to be stranger than fiction.

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00:05:02,000 --> 00:05:04,000

Like our Alcatraz escape?

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00:05:04,000 --> 00:05:10,000

The spoon proves mud here than the bars and supposedly escaped proof Alcatraz prison.

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00:05:10,000 --> 00:05:14,000

Alcatraz, the most notorious prison in the entire U.S.

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00:05:14,000 --> 00:05:19,000

and inspiration for one of the greatest escape movies ever.

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00:05:19,000 --> 00:05:24,000

But did the real-life escapees, Frank Morris and the Anglin brothers, really pull it off?

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00:05:24,000 --> 00:05:29,000

The escape triggered the greatest manhunt in San Francisco's history as agents of the FBI,

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00:05:29,000 --> 00:05:34,000

Coast Guardsmen, Highway Patrol, Sheriff's deputies and local police joined in the search.

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00:05:34,000 --> 00:05:41,000

To separate fact from Hollywood fiction, the mythbusters broke in to break out.

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00:05:41,000 --> 00:05:43,000

Welcome to the rock.

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00:05:43,000 --> 00:05:58,000

Officially, the escapees drowned and disappeared while fighting the currents north to Angel Island in their makeshift raft.

83

00:05:58,000 --> 00:06:01,000

It just looks like it's more aggressive on this side.

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00:06:01,000 --> 00:06:04,000

But the mythbusters had another theory.

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00:06:04,000 --> 00:06:10,000

What if the trio had used the currents to carry them west to the Marin headlands instead?

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00:06:11,000 --> 00:06:16,000

To find out, they needed to stage an escape of their own.

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00:06:16,000 --> 00:06:22,000

So, based on the FBI files, they built replicas of the prisoner's paddles.

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00:06:22,000 --> 00:06:25,000

One prison escape paddle.

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00:06:25,000 --> 00:06:27,000

And a raincoat raft.

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00:06:27,000 --> 00:06:31,000

That's a boat. I'm really impressed with these prison guys.

91

00:06:31,000 --> 00:06:34,000

And set sail for destiny.

92

00:06:34,000 --> 00:06:36,000

I'll go in first.

93

00:06:37,000 --> 00:06:40,000

Go Jamie, it's all you buddy.

94

00:06:42,000 --> 00:06:45,000

Oh, Jamie. You're the man, baby.

95

00:06:47,000 --> 00:06:50,000

Intern Will Abbott played Frank Morris.

96

00:06:50,000 --> 00:06:51,000

Oh yeah.

97

00:06:51,000 --> 00:06:53,000

I'll take that. I got this. You got it.

98

00:06:53,000 --> 00:06:55,000

I don't want a paddle.

99

00:06:55,000 --> 00:06:56,000

Okay, we're off.

100

00:06:57,000 --> 00:06:59,000

They're escaping.

101

00:07:06,000 --> 00:07:10,000

Every 10 minutes, they had to reinflate the raft.

102

00:07:10,000 --> 00:07:12,000

But the mythbusters made it.

103

00:07:12,000 --> 00:07:18,000

Paddling a raincoat raft more than three miles through the bay's treacherous tides.

104

00:07:18,000 --> 00:07:21,000

This is so cool.

105

00:07:22,000 --> 00:07:26,000

Making landfall just east of the Golden Gate Bridge.

106

00:07:30,000 --> 00:07:31,000

We made it.

107

00:07:31,000 --> 00:07:38,000

Neither the media nor the movie provided a definitive answer as to the escapee's fate.

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00:07:38,000 --> 00:07:39,000

Beautiful, man.

109

00:07:39,000 --> 00:07:40,000

Good job, guys.

110

00:07:40,000 --> 00:07:41,000

Good job.

111

00:07:41,000 --> 00:07:44,000

But the mythbusters knew one thing for sure.

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00:07:44,000 --> 00:07:47,000

We know that it could have been done, which is cool.

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00:07:53,000 --> 00:07:57,000

It's time for Grant Imahara to bust his first myth.

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00:07:57,000 --> 00:08:04,000

The newest member of the mythbusters team will use his special effects skills to replicate a Hollywood classic.

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00:08:04,000 --> 00:08:05,000

Sort of.

116

00:08:05,000 --> 00:08:07,000

Well, it's not really a myth.

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00:08:07,000 --> 00:08:12,000

It's a special effects technique in Hollywood that we're trying to duplicate.

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00:08:12,000 --> 00:08:16,000

You know, like in all these Hollywood movies, you see people shooting up cars or houses,

119

00:08:16,000 --> 00:08:19,000

and you see these crazy sparks flying all over the place.

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00:08:19,000 --> 00:08:20,000

It doesn't happen.

121

00:08:20,000 --> 00:08:24,000

But Grant knows how Hollywood makes those sparks fly.

122

00:08:24,000 --> 00:08:29,000

They load paintballs with real charges, known as spark loads.

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00:08:29,000 --> 00:08:32,000

In Hollywood, they have a custom plastic shell.

124

00:08:32,000 --> 00:08:39,000

It comes in two halves, male and female, and you put all your stuff in, put them together, and glue around the scene.

125

00:08:39,000 --> 00:08:40,000

Sounds easy enough.

126

00:08:40,000 --> 00:08:46,000

But can the build team replicate the effect using ordinary fireworks for their own amateur movie?

127

00:08:46,000 --> 00:08:51,000

We have four different types of kind of fireworks that we're going to be playing with.

128

00:08:51,000 --> 00:08:53,000

We've got sparklers.

129

00:08:53,000 --> 00:08:54,000

These are the fun snaps.

130

00:08:54,000 --> 00:08:57,000

You just throw them down in the friction lights of mom.

131

00:08:57,000 --> 00:08:58,000

Those are good.

132

00:08:58,000 --> 00:08:59,000

Dance, Belayche!

133

00:08:59,000 --> 00:09:00,000

Dance!

134

00:09:00,000 --> 00:09:03,000

Now these are probably one of my favorites.

135

00:09:03,000 --> 00:09:05,000

You just pull the string and they pop.

136

00:09:05,000 --> 00:09:09,000

Now, this is dangerous, so don't try it yourself.

137

00:09:09,000 --> 00:09:12,000

Tori dissects the string poppers.

138

00:09:12,000 --> 00:09:15,000

Grant shaves the sparklers.

139

00:09:15,000 --> 00:09:18,000

And Carrie unravels the fun snaps.

140

00:09:18,000 --> 00:09:21,000

Mythbusters have made projectiles before, right?

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00:09:21,000 --> 00:09:25,000

Oh yes, several times, like the ice bullets.

142

00:09:25,000 --> 00:09:27,000

Here's your ammo.

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00:09:27,000 --> 00:09:29,000

This is Ballistic H2O.

144

00:09:29,000 --> 00:09:34,000

It's an ice projectile, velocity of 3,000 feet per second, and an accuracy of up to 500 yards.

145

00:09:34,000 --> 00:09:38,000

No exit wound, the bullets are going to melt inside the target.

146

00:09:41,000 --> 00:09:43,000

Ice projectiles.

147

00:09:43,000 --> 00:09:50,000

In the action thriller Most Wanted, a bullet made of ice killed the first lady cold.

148

00:09:52,000 --> 00:09:53,000

Ow!

149

00:09:55,000 --> 00:09:59,000

But could a bullet really be created to deliver its deadly payload

150

00:09:59,000 --> 00:10:05,000

and then magically disappear without leaving any trace of ballistic evidence behind?

151

00:10:05,000 --> 00:10:11,000

To find out, the Mythbusters crafted a few magic bullets of their own.

152

00:10:11,000 --> 00:10:14,000

Round one, the ice bullet.

153

00:10:14,000 --> 00:10:18,000

But getting the bullet out of the mold proved to be a problem.

154

00:10:18,000 --> 00:10:21,000

You know, it didn't come out all in one piece, because it's very brittle.

155

00:10:21,000 --> 00:10:24,000

We don't want to break it before we get it in the gun.

156

00:10:24,000 --> 00:10:28,000

So he moved on to round two, the meat bullet.

157

00:10:28,000 --> 00:10:31,000

The brilliance behind this beefy slog?

158

00:10:31,000 --> 00:10:37,000

Upon impact, you wouldn't be able to distinguish ballistics from body parts.

159

00:10:37,000 --> 00:10:40,000

Three, two, one.

160

00:10:42,000 --> 00:10:43,000

Let's go take a look.

161

00:10:43,000 --> 00:10:47,000

Too much ballistic evidence, too little damage.

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00:10:47,000 --> 00:10:49,000

Some of it went out.

163

00:10:49,000 --> 00:10:52,000

Last but not least, round three.

164

00:10:52,000 --> 00:10:56,000

A bullet made of gelatin and coated in red dye.

165

00:10:56,000 --> 00:10:59,000

This is looking really promising, because it's not at all brittle.

166

00:11:00,000 --> 00:11:01,000

There we go.

167

00:11:01,000 --> 00:11:05,000

Three, two, one.

168

00:11:07,000 --> 00:11:09,000

That was a bigger boom.

169

00:11:09,000 --> 00:11:11,000

But still, no payoff.

170

00:11:11,000 --> 00:11:13,000

It went in about an inch.

171

00:11:13,000 --> 00:11:18,000

It appeared that any substance capable of melting inside a human body

172

00:11:18,000 --> 00:11:21,000

was simply too fragile to do much damage.

173

00:11:21,000 --> 00:11:25,000

Another Hollywood myth was shot down.

174

00:11:26,000 --> 00:11:29,000

Things are heating up nicely for the build team.

175

00:11:29,000 --> 00:11:31,000

Directly into the capsules.

176

00:11:31,000 --> 00:11:33,000

Ahhh.

177

00:11:34,000 --> 00:11:36,000

We got more of those, right?

178

00:11:36,000 --> 00:11:39,000

They're filling paintballs with fireworks

179

00:11:39,000 --> 00:11:43,000

to demonstrate how Hollywood makes ricocheting bullets spark.

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00:11:43,000 --> 00:11:46,000

Something that doesn't happen in real life.

181

00:11:46,000 --> 00:11:49,000

This is a five-pop snap spark ball.

182

00:11:49,000 --> 00:11:51,000

What could possibly go wrong?

183

00:11:51,000 --> 00:11:52,000

Ready?

184

00:11:54,000 --> 00:11:57,000

How about too much pressure in the paintball gun?

185

00:11:57,000 --> 00:12:00,000

I think it went off in the barrel.

186

00:12:00,000 --> 00:12:03,000

Because all I saw was flash as char coming out.

187

00:12:03,000 --> 00:12:10,000

I mean, we're using low-grade Chinatown pop snaps and sparklers.

188

00:12:10,000 --> 00:12:14,000

I think that maybe, since we've already taken it down to this level,

189

00:12:14,000 --> 00:12:16,000

we could just throw them.

190

00:12:16,000 --> 00:12:17,000

Okay.

191

00:12:17,000 --> 00:12:19,000

Maybe that's how they do it in Hollywood.

192

00:12:19,000 --> 00:12:20,000

Really?

193

00:12:20,000 --> 00:12:22,000

Uh, not really.

194

00:12:26,000 --> 00:12:30,000

Grant really wants that gun to work, and after a little tinkering,

195

00:12:31,000 --> 00:12:34,000

at long last, sparks.

196

00:12:36,000 --> 00:12:37,000

That looked pretty good.

197

00:12:37,000 --> 00:12:38,000

Looks good.

198

00:12:38,000 --> 00:12:43,000

I mean, for a cheap solution for bullet sparks, I think we found it.

199

00:12:43,000 --> 00:12:47,000

True, in real life, bullets don't spark when they ricochet.

200

00:12:47,000 --> 00:12:48,000

How about a target?

201

00:12:48,000 --> 00:12:50,000

Oh, gosh.

202

00:12:50,000 --> 00:12:54,000

But in Hollywood, everything is affected for the big screen.

203

00:12:54,000 --> 00:12:55,000

Okay, you guys ready?

204

00:12:55,000 --> 00:12:56,000

Here we go.

205

00:13:01,000 --> 00:13:06,000

That's how they do it in Hollywood?

206

00:13:06,000 --> 00:13:07,000

I'm happy.

207

00:13:07,000 --> 00:13:08,000

Well, it's not Hollywood.

208

00:13:08,000 --> 00:13:10,000

That's the mid-fungible version of Hollywood.

209

00:13:10,000 --> 00:13:11,000

It's not Hollywood.

210

00:13:11,000 --> 00:13:12,000

Hollywood, but...

211

00:13:17,000 --> 00:13:20,000

You know, Hollywood's given us an awful lot of myths,

212

00:13:20,000 --> 00:13:23,000

and a lot of them involve what I'd call faulty physics.

213

00:13:23,000 --> 00:13:28,000

I mean, like this one, when some cop is supposed to be able to kick his way through a locked door,

214

00:13:28,000 --> 00:13:30,000

I'm just not sure it's possible.

215

00:13:30,000 --> 00:13:31,000

Are you ready to try?

216

00:13:31,000 --> 00:13:32,000

I'm ready.

217

00:13:34,000 --> 00:13:35,000

We've got the four locks here.

218

00:13:35,000 --> 00:13:39,000

You've got your hotel chain, your hotel bar.

219

00:13:39,000 --> 00:13:44,000

You're a basic deadbolt, and then the doorknob lock,

220

00:13:44,000 --> 00:13:46,000

which is probably the weakest of all.

221

00:13:46,000 --> 00:13:51,000

I was thinking we start with all four, and then slowly remove them,

222

00:13:51,000 --> 00:13:52,000

and then we'll see if we can get through them.

223

00:13:52,000 --> 00:13:53,000

Okay.

224

00:13:53,000 --> 00:13:56,000

We'll blow the whole home security thing wide open here.

225

00:13:57,000 --> 00:14:01,000

Earlier, the build team framed this solid core wood door to code.

226

00:14:01,000 --> 00:14:04,000

It's not pretty, but it's built to last.

227

00:14:05,000 --> 00:14:08,000

So, big guy, test number one, all four locks.

228

00:14:08,000 --> 00:14:09,000

Okay.

229

00:14:14,000 --> 00:14:15,000

Fire at will.

230

00:14:15,000 --> 00:14:16,000

It's all up to you.

231

00:14:21,000 --> 00:14:22,000

Do I get another try?

232

00:14:22,000 --> 00:14:24,000

You're a madman.

233

00:14:24,000 --> 00:14:25,000

Nice work.

234

00:14:26,000 --> 00:14:27,000

Busted shoulder.

235

00:14:27,000 --> 00:14:29,000

I think I'm going to have a bruise.

236

00:14:29,000 --> 00:14:30,000

Really?

237

00:14:30,000 --> 00:14:31,000

And a busted door.

238

00:14:31,000 --> 00:14:34,000

Well, you've split the whole wooden jam right down the middle,

239

00:14:34,000 --> 00:14:35,000

right at the deadbolt.

240

00:14:35,000 --> 00:14:37,000

Kind of looks like I'm going to make it through it, doesn't it?

241

00:14:37,000 --> 00:14:40,000

Well, I wonder what's going to happen with these two.

242

00:14:40,000 --> 00:14:42,000

I don't think those are going to hold you back.

243

00:14:42,000 --> 00:14:45,000

We're going to wait for Jamie to build his chi back up again,

244

00:14:45,000 --> 00:14:49,000

and then he's going to make a second run at the very same door,

245

00:14:49,000 --> 00:14:53,000

unaltered from the first test, to see if, after a couple of pounds,

246

00:14:53,000 --> 00:14:55,000

he can get all the way through the door.

247

00:14:55,000 --> 00:14:58,000

The physics that we're dealing with aren't as faulty

248

00:14:58,000 --> 00:15:00,000

and as far-fetched as we originally thought.

249

00:15:00,000 --> 00:15:04,000

Unlike some of the other stories that we've done, like rear axle.

250

00:15:04,000 --> 00:15:10,000

In the film American Graffiti, some wily teenagers played a prank

251

00:15:10,000 --> 00:15:15,000

on an unsuspecting police officer by looping a cable around a pole

252

00:15:15,000 --> 00:15:17,000

and attaching it to his rear axle.

253

00:15:17,000 --> 00:15:23,000

Our very own overgrown teenagers wanted to see if they could pull the prank off too.

254

00:15:23,000 --> 00:15:27,000

So they borrowed a replica police cruiser,

255

00:15:27,000 --> 00:15:35,000

rigged it with a remote control, and lashed 75 feet of steel cable

256

00:15:35,000 --> 00:15:39,000

so I'm going to drop it about four feet from the pole over here and assemble it.

257

00:15:39,000 --> 00:15:42,000

to a sturdy anchor on one end,

258

00:15:42,000 --> 00:15:44,000

here we go,

259

00:15:44,000 --> 00:15:46,000

and the rear axle on the other.

260

00:15:46,000 --> 00:15:48,000

Yeah!

261

00:15:48,000 --> 00:15:51,000

This is in television glamorous.

262

00:15:51,000 --> 00:15:53,000

All right.

263

00:15:53,000 --> 00:15:55,000

Wired and ready.

264

00:15:55,000 --> 00:15:57,000

Get ready to goose the throttle.

265

00:15:57,000 --> 00:16:00,000

Our police car was off in hot pursuit,

266

00:16:00,000 --> 00:16:03,000

but no cable slowed him down.

267

00:16:07,000 --> 00:16:10,000

That's spectacular!

268

00:16:10,000 --> 00:16:14,000

I should point out that the cable has a breaking load of 15,000 pounds.

269

00:16:14,000 --> 00:16:18,000

Big cable, bigger than even I thought was the one used in the movie,

270

00:16:18,000 --> 00:16:22,000

still snapped to standard Ford chassis,

271

00:16:22,000 --> 00:16:25,000

not dissimilar at all from what they had back then.

272

00:16:28,000 --> 00:16:31,000

Outs here right there, myth busted.

273

00:16:31,000 --> 00:16:34,000

And speaking of busted,

274

00:16:34,000 --> 00:16:38,000

Jamie still has to bust Hollywood's busting the door down myth.

275

00:16:38,000 --> 00:16:40,000

Is your chi ready?

276

00:16:40,000 --> 00:16:44,000

Will he get all the way through on round two?

277

00:16:44,000 --> 00:16:47,000

Or round three?

278

00:16:47,000 --> 00:16:49,000

Wait, wait!

279

00:16:49,000 --> 00:16:52,000

You've actually split the framework of the door here.

280

00:16:52,000 --> 00:16:54,000

Cool.

281

00:16:54,000 --> 00:16:56,000

I don't know what to say, actually.

282

00:16:56,000 --> 00:16:58,000

I'm kind of shocked.

283

00:16:58,000 --> 00:17:04,000

It's plain old physics, you know, you get 185 pounds going fairly fast

284

00:17:04,000 --> 00:17:08,000

at a piece of wood and metal that's like this big,

285

00:17:08,000 --> 00:17:12,000

and it actually makes sense now that I've done it.

286

00:17:12,000 --> 00:17:14,000

We started out with four locks.

287

00:17:14,000 --> 00:17:17,000

The only thing left is the hotel lock here,

288

00:17:17,000 --> 00:17:20,000

which we can see the screws are already pulling out,

289

00:17:20,000 --> 00:17:23,000

and then the measly little girly man chain lock.

290

00:17:23,000 --> 00:17:24,000

And that's it.

291

00:17:24,000 --> 00:17:28,000

I'm guessing, you know, one or two more tries might get me through.

292

00:17:33,000 --> 00:17:36,000

Well, I got the third one, but it's the chain one that...

293

00:17:36,000 --> 00:17:38,000

The chain lock!

294

00:17:38,000 --> 00:17:42,000

I guess that chain lock isn't so girly after all.

295

00:17:42,000 --> 00:17:44,000

The chain lock would have gone,

296

00:17:44,000 --> 00:17:46,000

and I'm about to pull through the washer on it.

297

00:17:46,000 --> 00:17:48,000

One more go, big boy!

298

00:17:50,000 --> 00:17:54,000

Well, in the meantime, while you're getting your chi back up for another run,

299

00:17:54,000 --> 00:17:56,000

let's look at appliances in the bathtub.

300

00:17:59,000 --> 00:18:02,000

Ah, the old appliance in the bathtub.

301

00:18:02,000 --> 00:18:06,000

Sure, it's shockingly effective killing folks on the big screen,

302

00:18:06,000 --> 00:18:08,000

but how about in real life?

303

00:18:09,000 --> 00:18:14,000

To find out, the boys rounded up a few pre-loved appliances.

304

00:18:14,000 --> 00:18:16,000

There's a radio.

305

00:18:16,000 --> 00:18:17,000

What about this?

306

00:18:17,000 --> 00:18:19,000

It's exactly the television we need.

307

00:18:19,000 --> 00:18:23,000

They'll soak in Tori's test tub back at the shop.

308

00:18:23,000 --> 00:18:25,000

But unlike your ordinary tub,

309

00:18:25,000 --> 00:18:28,000

this one had an electric current flowing through it.

310

00:18:28,000 --> 00:18:29,000

This is an amp reader.

311

00:18:29,000 --> 00:18:32,000

The ground is going to go through that so we can read our amps.

312

00:18:32,000 --> 00:18:35,000

And a bather made from ballistics gel.

313

00:18:35,000 --> 00:18:36,000

I think we're good.

314

00:18:36,000 --> 00:18:37,000

Let's do it.

315

00:18:37,000 --> 00:18:40,000

If the current passing through the heart hit 6 milliamps

316

00:18:40,000 --> 00:18:42,000

and a flash pot triggered,

317

00:18:42,000 --> 00:18:45,000

they knew their bather was caught.

318

00:18:45,000 --> 00:18:47,000

Three, two...

319

00:18:49,000 --> 00:18:50,000

That was cool.

320

00:18:50,000 --> 00:18:55,000

First up, or should we say in, was the hairdryer.

321

00:18:55,000 --> 00:18:57,000

All right, give me the countdown, baby.

322

00:18:57,000 --> 00:19:03,000

Okay, and five, four, three, two, one, drop.

323

00:19:03,000 --> 00:19:04,000

What are you reading, Jamie?

324

00:19:04,000 --> 00:19:07,000

I'm seeing 8.5 milliamps here across the heart.

325

00:19:07,000 --> 00:19:11,000

This one is dead as a dodo, well over the threshold.

326

00:19:11,000 --> 00:19:14,000

Next up, toaster.

327

00:19:14,000 --> 00:19:15,000

What?

328

00:19:18,000 --> 00:19:19,000

Whoa.

329

00:19:20,000 --> 00:19:22,000

Our friend here was toast.

330

00:19:22,000 --> 00:19:25,000

Oh, yeah, 12 milliamps.

331

00:19:25,000 --> 00:19:27,000

That's very lethal.

332

00:19:27,000 --> 00:19:28,000

Toaster.

333

00:19:28,000 --> 00:19:32,000

Next item, one of my personal favorites, the curling iron.

334

00:19:32,000 --> 00:19:33,000

Let's go.

335

00:19:34,000 --> 00:19:36,000

Three, two, one.

336

00:19:38,000 --> 00:19:41,000

We've got four and a half milliamps at the heart.

337

00:19:41,000 --> 00:19:44,000

It means the rest of your body is going to be like...

338

00:19:44,000 --> 00:19:46,000

Lethal dose is six milliamps.

339

00:19:46,000 --> 00:19:48,000

I think I wouldn't want to be in there with that.

340

00:19:48,000 --> 00:19:49,000

And now the iron.

341

00:19:49,000 --> 00:19:51,000

Or as we refer to it right now,

342

00:19:51,000 --> 00:19:53,000

we're going to be using the iron.

343

00:19:53,000 --> 00:19:55,000

We're going to be using the iron.

344

00:19:55,000 --> 00:19:57,000

I don't want to be in there with that.

345

00:19:57,000 --> 00:19:58,000

And now the iron.

346

00:19:58,000 --> 00:20:00,000

Or as we refer to it around here,

347

00:20:00,000 --> 00:20:02,000

Fierro de los Muertos.

348

00:20:09,000 --> 00:20:11,000

Wow, that's the highest spike yet.

349

00:20:11,000 --> 00:20:13,000

We've got 32 milliamps.

350

00:20:13,000 --> 00:20:16,000

This thing is literally pumping death into our subject here.

351

00:20:16,000 --> 00:20:18,000

32 milliamps.

352

00:20:18,000 --> 00:20:21,000

That was more than five times the lethal limit.

353

00:20:21,000 --> 00:20:23,000

Big spike.

354

00:20:23,000 --> 00:20:25,000

You'd be toast.

355

00:20:25,000 --> 00:20:26,000

You'd fry.

356

00:20:26,000 --> 00:20:27,000

You'd boil.

357

00:20:29,000 --> 00:20:32,000

Four appliances, four electrocutions.

358

00:20:32,000 --> 00:20:36,000

The verdict on this Hollywood myth was no shocker.

359

00:20:42,000 --> 00:20:45,000

In three attempts at busting down their test door,

360

00:20:45,000 --> 00:20:49,000

Jamie's not only destroyed three of the four locks,

361

00:20:49,000 --> 00:20:52,000

he's pretty much left the door in splinter.

362

00:20:52,000 --> 00:20:56,000

Surprisingly, only the dainty chain lock remains.

363

00:20:56,000 --> 00:20:57,000

For now.

364

00:20:57,000 --> 00:20:58,000

One lock left.

365

00:20:58,000 --> 00:20:59,000

Break it away.

366

00:21:03,000 --> 00:21:05,000

So little is holding that on.

367

00:21:06,000 --> 00:21:07,000

It's the screw head.

368

00:21:07,000 --> 00:21:08,000

Okay.

369

00:21:08,000 --> 00:21:11,000

Like I said, it's all an electrical exercise at this point.

370

00:21:11,000 --> 00:21:14,000

Turns out Jamie couldn't get through the last lock

371

00:21:14,000 --> 00:21:18,000

because the build team didn't use the hardware that came with the chain.

372

00:21:18,000 --> 00:21:21,000

They used their own stronger screws.

373

00:21:23,000 --> 00:21:28,000

I think that given that you've made it through three of the four locks,

374

00:21:28,000 --> 00:21:31,000

I'd say we call this absolutely plausible.

375

00:21:31,000 --> 00:21:32,000

Yeah.

376

00:21:32,000 --> 00:21:35,000

And there are a lot of guys out there that are bigger and stronger than I am.

377

00:21:35,000 --> 00:21:36,000

It's hard to believe.

378

00:21:36,000 --> 00:21:37,000

Bigger.

379

00:21:37,000 --> 00:21:39,000

Maybe not strong.

380

00:21:39,000 --> 00:21:43,000

But Adam's not one to let a sleeping myth lie.

381

00:21:43,000 --> 00:21:44,000

Oh!

382

00:21:52,000 --> 00:21:54,000

The pads are screwing.

383

00:21:54,000 --> 00:21:57,000

Better just wrap this one up before anyone else gets hurt.

384

00:21:58,000 --> 00:22:00,000

I'm calling it really.

385

00:22:02,000 --> 00:22:04,000

Today we're actually testing a pretty cool myth.

386

00:22:04,000 --> 00:22:07,000

We're going to work on the Tin Man myth from The Wizard of Oz.

387

00:22:07,000 --> 00:22:09,000

1939 movie version that is.

388

00:22:09,000 --> 00:22:12,000

Apparently that the original actors slated to play the Tin Man,

389

00:22:12,000 --> 00:22:16,000

but they had a reverse reaction to the aluminum paint and got really, really sick.

390

00:22:16,000 --> 00:22:19,000

What they settled on at first was white clown makeup,

391

00:22:19,000 --> 00:22:22,000

and then they just dusted this aluminum powder on top of it.

392

00:22:22,000 --> 00:22:24,000

Oh, that is not good.

393

00:22:24,000 --> 00:22:25,000

Yeah, it doesn't sound so healthy.

394

00:22:25,000 --> 00:22:30,000

But he wasn't the last person to have problems with a full-body paint job.

395

00:22:30,000 --> 00:22:33,000

Remember when Jamie tried busting the gold finger myth?

396

00:22:33,000 --> 00:22:36,000

The story goes that if you paint your whole body with gold paint,

397

00:22:36,000 --> 00:22:39,000

your skin will not be able to breathe.

398

00:22:39,000 --> 00:22:43,000

The solution to this supposedly is to leave a small patch at the base of your spine.

399

00:22:43,000 --> 00:22:48,000

140 over 110 on that arm.

400

00:22:48,000 --> 00:22:51,000

So that means my blood pressure had elevated?

401

00:22:51,000 --> 00:22:52,000

Yeah.

402

00:22:52,000 --> 00:22:56,000

I feel like I'm basically about to become ill.

403

00:22:56,000 --> 00:23:02,000

I could say it's almost like I'm a little lightheaded.

404

00:23:02,000 --> 00:23:03,000

I can tell.

405

00:23:03,000 --> 00:23:04,000

I feel like...

406

00:23:04,000 --> 00:23:05,000

Let's get that off you then.

407

00:23:05,000 --> 00:23:06,000

Okay.

408

00:23:06,000 --> 00:23:08,000

That myth was busted.

409

00:23:08,000 --> 00:23:09,000

Jamie recovered.

410

00:23:09,000 --> 00:23:11,000

And with a modified paint job,

411

00:23:11,000 --> 00:23:16,000

the next actor to play the Tin Man pulled off his role without a hitch.

412

00:23:16,000 --> 00:23:18,000

And then they changed over with the new actor, Jack Haley,

413

00:23:18,000 --> 00:23:23,000

and they made an aluminum paste so you don't have all that airborne dust getting inhaled.

414

00:23:23,000 --> 00:23:26,000

But how would Carrie do?

415

00:23:26,000 --> 00:23:28,000

Only one way to find out.

416

00:23:28,000 --> 00:23:32,000

She slips into something a bit more comfortable.

417

00:23:32,000 --> 00:23:33,000

Are you ready, Carrie?

418

00:23:33,000 --> 00:23:35,000

And with paramedics standing by.

419

00:23:35,000 --> 00:23:36,000

All right.

420

00:23:39,000 --> 00:23:40,000

Do you want to show us how to mix up the paint?

421

00:23:40,000 --> 00:23:41,000

Yeah.

422

00:23:41,000 --> 00:23:43,000

It's off to see the wizard.

423

00:23:43,000 --> 00:23:45,000

The wizard of alchemy, that is.

424

00:23:45,000 --> 00:23:47,000

You open up this little jar.

425

00:23:47,000 --> 00:23:49,000

It is strictly aluminum powder.

426

00:23:49,000 --> 00:23:51,000

It's a really fine metallic dust.

427

00:23:51,000 --> 00:23:54,000

Looks like liquid mercury.

428

00:23:54,000 --> 00:23:56,000

That's cool.

429

00:23:56,000 --> 00:24:02,000

This particular brand includes a lotion that will help it stick to the skin.

430

00:24:02,000 --> 00:24:04,000

It makes it so it doesn't smear off.

431

00:24:04,000 --> 00:24:08,000

And this one jar would probably paint half of my body.

432

00:24:26,000 --> 00:24:27,000

How's your skin feeling?

433

00:24:27,000 --> 00:24:28,000

Fine right now.

434

00:24:28,000 --> 00:24:29,000

No itching?

435

00:24:29,000 --> 00:24:30,000

No itching.

436

00:24:30,000 --> 00:24:31,000

No itching?

437

00:24:31,000 --> 00:24:32,000

A little wet and cold?

438

00:24:32,000 --> 00:24:33,000

Better than that.

439

00:24:33,000 --> 00:24:36,000

I can still breathe just fine.

440

00:24:36,000 --> 00:24:37,000

Awesome.

441

00:24:37,000 --> 00:24:38,000

Sorry.

442

00:24:38,000 --> 00:24:40,000

Oh my gosh.

443

00:24:40,000 --> 00:24:42,000

This is so bizarre.

444

00:24:42,000 --> 00:24:44,000

How does it feel otherwise?

445

00:24:44,000 --> 00:24:46,000

Can you feel like a coating on your skin?

446

00:24:46,000 --> 00:24:47,000

A little bit.

447

00:24:47,000 --> 00:24:50,000

It feels a little bit sticky but it's really not bad.

448

00:24:50,000 --> 00:24:52,000

It's not thick.

449

00:24:52,000 --> 00:24:56,000

It's sort of just like a thin coat.

450

00:24:56,000 --> 00:25:03,000

Let's take a break from Tin Woman Carrie and look back at another star studded metallic myth.

451

00:25:03,000 --> 00:25:09,000

Now here was a myth Adam and Jamie could really sink their teeth into.

452

00:25:09,000 --> 00:25:14,000

Was it possible to receive radio transmissions through the fillings in your mouth?

453

00:25:14,000 --> 00:25:16,000

America's Queen of Comedy.

454

00:25:16,000 --> 00:25:18,000

Hey, what am I going to get?

455

00:25:18,000 --> 00:25:19,000

A kiss or a quart of milk?

456

00:25:19,000 --> 00:25:22,000

Lucille Ball believed it was.

457

00:25:22,000 --> 00:25:24,000

I had some dental work to be done.

458

00:25:24,000 --> 00:25:26,000

You know they put in temporary fillings.

459

00:25:26,000 --> 00:25:32,000

I was just driving along and rode that I had taken many times.

460

00:25:32,000 --> 00:25:38,000

And all of a sudden I heard music.

461

00:25:38,000 --> 00:25:41,000

But I mean with a great beat, you know.

462

00:25:41,000 --> 00:25:45,000

And I looked down and turned off my radio and it was none.

463

00:25:45,000 --> 00:25:50,000

And the music was getting louder and louder and louder and I realized it was in my mouth.

464

00:25:50,000 --> 00:25:53,000

And it was bleeding and beating in my ears.

465

00:25:53,000 --> 00:25:55,000

I could hear the tune and everything.

466

00:25:55,000 --> 00:25:57,000

I recognized the tune.

467

00:25:57,000 --> 00:26:04,000

One theory behind Lucille's remarkable reception was that if her fillings were made from different metals,

468

00:26:04,000 --> 00:26:08,000

they may have acted as a point contact diode.

469

00:26:08,000 --> 00:26:10,000

I recognized the tune.

470

00:26:10,000 --> 00:26:15,000

That's when two metals combined to capture radio frequency.

471

00:26:15,000 --> 00:26:18,000

That's a grody looking skull.

472

00:26:18,000 --> 00:26:21,000

To see if they could tune into this myth for themselves,

473

00:26:21,000 --> 00:26:25,000

the guys fitted a skull with two different types of fillings.

474

00:26:25,000 --> 00:26:27,000

They're very bright out.

475

00:26:27,000 --> 00:26:31,000

One amalgam, the other gold.

476

00:26:31,000 --> 00:26:34,000

That is real gold foil.

477

00:26:34,000 --> 00:26:40,000

Then they connected a voltmeter to monitor any change in electrical activity across the fillings.

478

00:26:40,000 --> 00:26:41,000

Let's do it.

479

00:26:41,000 --> 00:26:44,000

And with the help of electrical engineer Frank Hausmann,

480

00:26:44,000 --> 00:26:48,000

he handled several radio frequencies into the molars.

481

00:26:48,000 --> 00:26:55,000

Now as I sweep the RF field in that chamber, there's no change in the teeth.

482

00:26:55,000 --> 00:26:57,000

The voltmeter didn't flicker.

483

00:26:57,000 --> 00:27:02,000

So if the teeth were acting as a diode, which is one of the theories about how they might pick up radio,

484

00:27:02,000 --> 00:27:05,000

we would see a change in voltage, but we didn't.

485

00:27:05,000 --> 00:27:08,000

Adam, is the myth true or false?

486

00:27:08,000 --> 00:27:13,000

I think definitively we've shown that two different types of fillings do not act as a rudimentary radio crystal.

487

00:27:13,000 --> 00:27:14,000

It's busted.

488

00:27:14,000 --> 00:27:16,000

Okay, we'll call it busted.

489

00:27:18,000 --> 00:27:24,000

Back in Oz, Tin Woman Carrie's metallic makeover is almost done.

490

00:27:25,000 --> 00:27:28,000

How about breaking out in a rash? Look up.

491

00:27:28,000 --> 00:27:33,000

I don't think I am. I've got goosebumps.

492

00:27:33,000 --> 00:27:39,000

They're testing to see whether aluminum-based paint would have the same adverse effects on Carrie

493

00:27:39,000 --> 00:27:42,000

that they had on the original Tin Man.

494

00:27:42,000 --> 00:27:49,000

The first man slated for the Tin Man position had painted himself with the aluminum powder and got really sick.

495

00:27:49,000 --> 00:27:53,000

Cramped up in all his muscles, stopped breathing, and he ended up in an iron lung,

496

00:27:53,000 --> 00:27:56,000

spent two weeks in the hospital and a month in recovery.

497

00:27:56,000 --> 00:28:00,000

Hey, Carrie, how do your lungs feel? Do you feel like you're breathing in any aluminum powder?

498

00:28:00,000 --> 00:28:04,000

Well, I mean, I'm sure I've got a few stray particles here and there,

499

00:28:04,000 --> 00:28:09,000

but overall, once you mix it into a paste, I think you're past any of the danger zones.

500

00:28:09,000 --> 00:28:12,000

But the paramedics aren't so sure.

501

00:28:12,000 --> 00:28:16,000

Okay, your heart rate's up. 132. Are you getting nervous?

502

00:28:17,000 --> 00:28:19,000

Nervous about what?

503

00:28:19,000 --> 00:28:26,000

Being painted head to toe in silver while wearing nothing more than a shiny bikini on national TV?

504

00:28:26,000 --> 00:28:27,000

Maybe I'm getting nervous.

505

00:28:27,000 --> 00:28:29,000

In front of a whole bunch of people, why would you be nervous?

506

00:28:29,000 --> 00:28:30,000

You're helping.

507

00:28:30,000 --> 00:28:32,000

Okay, you need to calm down a little bit.

508

00:28:32,000 --> 00:28:33,000

Me?

509

00:28:33,000 --> 00:28:37,000

Yeah. Your heart rate's 134. Take a slow breath for me.

510

00:28:39,000 --> 00:28:41,000

I'm going to put you on some oxygen.

511

00:28:41,000 --> 00:28:42,000

Okay.

512

00:28:42,000 --> 00:28:43,000

Kind of calm me down a little bit too.

513

00:28:43,000 --> 00:28:47,000

And just when she thought it couldn't get any worse...

514

00:28:47,000 --> 00:28:50,000

I didn't know we got slave girls.

515

00:28:50,000 --> 00:28:51,000

Sweet.

516

00:28:51,000 --> 00:28:55,000

How you doing, sweetie?

517

00:28:55,000 --> 00:28:57,000

Turning into an android.

518

00:28:57,000 --> 00:29:00,000

This is the exact stuff that they were using on the Tin Man,

519

00:29:00,000 --> 00:29:02,000

which was just a pure aluminum powder.

520

00:29:02,000 --> 00:29:04,000

No, why are you guys feeding her oxygen?

521

00:29:04,000 --> 00:29:06,000

Her heart rate's gone up.

522

00:29:06,000 --> 00:29:08,000

I was so affected by your teasing.

523

00:29:08,000 --> 00:29:10,000

Oh, oh, oh.

524

00:29:10,000 --> 00:29:14,000

And you were willing to take that chance for us.

525

00:29:14,000 --> 00:29:17,000

You know, that's above and beyond the call of duty.

526

00:29:17,000 --> 00:29:18,000

Ah, yes.

527

00:29:18,000 --> 00:29:24,000

Whether it's silver or gold, the Mythbusters will risk life and limb to get to the truth.

528

00:29:24,000 --> 00:29:25,000

That's much worse than we...

529

00:29:25,000 --> 00:29:30,000

Well, I guess the gold paint was supposed to kill you, so technically that might be worse.

530

00:29:30,000 --> 00:29:34,000

The team eases off so Carrie can get back to baseline.

531

00:29:34,000 --> 00:29:35,000

I can take this off now, yeah?

532

00:29:35,000 --> 00:29:36,000

You can take that off.

533

00:29:36,000 --> 00:29:37,000

I'm okay.

534

00:29:37,000 --> 00:29:40,000

With the crisis past, the paint job resumes.

535

00:29:40,000 --> 00:29:43,000

Well, we got to paint your face just to be sure.

536

00:29:43,000 --> 00:29:44,000

Yeah.

537

00:29:44,000 --> 00:29:45,000

Okay.

538

00:29:45,000 --> 00:29:47,000

Whoa, that's cool.

539

00:29:47,000 --> 00:29:48,000

That's hot.

540

00:29:48,000 --> 00:29:49,000

Here we go.

541

00:29:49,000 --> 00:29:50,000

She's ready to meet Captain Kirk.

542

00:29:50,000 --> 00:29:51,000

Oh my god.

543

00:29:51,000 --> 00:29:54,000

The things we will do.

544

00:29:54,000 --> 00:29:55,000

Go for it.

545

00:29:55,000 --> 00:29:57,000

Yeah, there you go.

546

00:29:57,000 --> 00:30:00,000

This is the foolish thing we've ever done.

547

00:30:00,000 --> 00:30:01,000

Dude!

548

00:30:01,000 --> 00:30:02,000

Dude!

549

00:30:02,000 --> 00:30:09,000

Dude, our robot worked!

550

00:30:09,000 --> 00:30:16,000

So how long do I have to be in this get up before we consider it a conclusive scientific

551

00:30:16,000 --> 00:30:17,000

experience?

552

00:30:17,000 --> 00:30:20,000

You have to stand there for one hour, starting now.

553

00:30:20,000 --> 00:30:22,000

What am I going to do for an hour like this?

554

00:30:22,000 --> 00:30:26,000

I'm not going to be working with the tools or nothing.

555

00:30:26,000 --> 00:30:30,000

After a quick nap, at a clean bill of health...

556

00:30:30,000 --> 00:30:32,000

Well, Carrie, my idols are all good.

557

00:30:32,000 --> 00:30:36,000

Carrie was no worse for wear from her silver lining.

558

00:30:36,000 --> 00:30:37,000

So how do you feel?

559

00:30:37,000 --> 00:30:38,000

Well rested.

560

00:30:38,000 --> 00:30:39,000

I had a little nap.

561

00:30:39,000 --> 00:30:40,000

I noticed you're alive.

562

00:30:40,000 --> 00:30:41,000

I'm alive.

563

00:30:41,000 --> 00:30:49,000

I'm breathing well.

564

00:30:49,000 --> 00:30:54,000

The build team's hard at work attempting to shatter a classic movie myth.

565

00:30:54,000 --> 00:30:59,000

Can someone be thrown through a plate glass window and walk away without even a scratch?

566

00:30:59,000 --> 00:31:03,000

We're going to show that it probably is a little bit more painful than that.

567

00:31:03,000 --> 00:31:06,000

Strangely, there are no volunteers for this one.

568

00:31:06,000 --> 00:31:07,000

Plan B.

569

00:31:07,000 --> 00:31:13,000

We are about to pour our dummy filled with ballistics gel in order to have an actual

570

00:31:13,000 --> 00:31:15,000

person throw through a pane of glass.

571

00:31:15,000 --> 00:31:19,000

But first, this dummy is going to need to be thick skinned.

572

00:31:19,000 --> 00:31:21,000

Latex should do nicely.

573

00:31:21,000 --> 00:31:24,000

Making a nice skin for the outside of our ballistics gel body.

574

00:31:24,000 --> 00:31:28,000

Because it will react a little more like human skin.

575

00:31:28,000 --> 00:31:31,000

It will give the glass a little bit more of a resistance than going into the straight

576

00:31:31,000 --> 00:31:33,000

gelatin ballistics gel.

577

00:31:33,000 --> 00:31:38,000

The reason why we're doing the white is because that way when we pour in the dark red ballistics

578

00:31:38,000 --> 00:31:44,000

gel and then the glass cuts the skin, then we'll have a contrast and we'll see how much

579

00:31:44,000 --> 00:31:47,000

damage a body would get if it got thrown through glass.

580

00:31:47,000 --> 00:31:51,000

This is the funnest batch of ballistics gel we've ever got to make because it's bright

581

00:31:51,000 --> 00:31:56,000

red which is going to give it a nice gore factor inside of our little torso.

582

00:31:56,000 --> 00:31:58,000

Alright, go ahead and start pouring.

583

00:31:58,000 --> 00:31:59,000

Ready?

584

00:31:59,000 --> 00:32:00,000

Yup.

585

00:32:00,000 --> 00:32:04,000

Ooh, that's pretty cool.

586

00:32:04,000 --> 00:32:07,000

And the pièce de resistance?

587

00:32:07,000 --> 00:32:08,000

Fake blood.

588

00:32:08,000 --> 00:32:13,000

If you don't have a big budget, corn syrup and red food coloring.

589

00:32:13,000 --> 00:32:14,000

Sweet.

590

00:32:14,000 --> 00:32:16,000

And you can get those at the local supermarket.

591

00:32:16,000 --> 00:32:19,000

Okay, so now what are we going to put the blood in?

592

00:32:19,000 --> 00:32:21,000

We're going to fill them with condoms.

593

00:32:21,000 --> 00:32:23,000

Which they use in squib hits.

594

00:32:23,000 --> 00:32:27,000

When somebody gets shot, they'll get a condom, fill it up with blood and then lay it over

595

00:32:27,000 --> 00:32:33,000

a hit or a little explosive and that'll shoot out spraying blood all over the guy.

596

00:32:33,000 --> 00:32:35,000

Alright.

597

00:32:35,000 --> 00:32:38,000

And there you have a blood bag.

598

00:32:38,000 --> 00:32:42,000

So what we're doing right now is we're hanging these blood bags just below the surface of

599

00:32:42,000 --> 00:32:43,000

the ballistics gel.

600

00:32:43,000 --> 00:32:47,000

So hopefully the glass will cut through the skin and the ballistics gel, puncturing these

601

00:32:47,000 --> 00:32:49,000

and spraying blood all over the place.

602

00:32:49,000 --> 00:32:53,000

Hopefully this will show us how much damage a human body would get if going through a

603

00:32:53,000 --> 00:32:54,000

paint glass.

604

00:32:54,000 --> 00:33:01,000

Now they just let the mold set for 24 hours and voila, they've got themselves a volunteer.

605

00:33:01,000 --> 00:33:03,000

Oh god, this mold looks really gruesome.

606

00:33:03,000 --> 00:33:06,000

We're going to bust this one wide open.

607

00:33:06,000 --> 00:33:10,000

Just like another classic movie myth that we busted, kill a quick sans.

608

00:33:10,000 --> 00:33:14,000

In the movies, quick sans always a guaranteed killer.

609

00:33:14,000 --> 00:33:19,000

But how about in real life, could it really suck you under?

610

00:33:19,000 --> 00:33:24,000

To get to the bottom of this myth, the boys needed one key element first.

611

00:33:24,000 --> 00:33:25,000

Sand.

612

00:33:25,000 --> 00:33:29,000

20,000 pounds of sand.

613

00:33:29,000 --> 00:33:32,000

That's a lot of sand.

614

00:33:32,000 --> 00:33:36,000

Quick sand is a result of a process called liquefaction.

615

00:33:36,000 --> 00:33:43,000

Water rising from under the ground over saturates the sand or soil, reducing the friction between

616

00:33:43,000 --> 00:33:48,000

the particles until they can no longer bear any weight.

617

00:33:48,000 --> 00:33:51,000

So, 10 tons of sand, check.

618

00:33:51,000 --> 00:33:52,000

You're good.

619

00:33:52,000 --> 00:33:54,000

Well how about that?

620

00:33:54,000 --> 00:33:56,000

2000 gallon pit, check.

621

00:33:56,000 --> 00:34:00,000

Wow, look at the bag drain.

622

00:34:00,000 --> 00:34:04,000

And the final killer ingredient, water.

623

00:34:04,000 --> 00:34:12,000

Alright, well the tank is full of sand and water and we're sort of primed.

624

00:34:13,000 --> 00:34:15,000

Look, it's a white sandy beach.

625

00:34:15,000 --> 00:34:18,000

I don't feel any danger at all.

626

00:34:21,000 --> 00:34:25,000

Let's just say Adam's confidence sank when the water pumped in.

627

00:34:25,000 --> 00:34:30,000

Whoa, it feels more dangerous now than I thought.

628

00:34:30,000 --> 00:34:34,000

Whoa, let's go!

629

00:34:34,000 --> 00:34:36,000

Well I started going down really slowly.

630

00:34:36,000 --> 00:34:39,000

The water got up to my chest in the sand and water mixture.

631

00:34:39,000 --> 00:34:43,000

I kind of felt where I hit my buoyant point, which is just probably right about here.

632

00:34:43,000 --> 00:34:50,000

Like a cork in water, Adam was far less dense than the quicksand, so he simply remained buoyant.

633

00:34:50,000 --> 00:34:52,000

Brown your basket.

634

00:34:52,000 --> 00:34:58,000

I think we've created a very realistic scenario for a worst case scenario quicksand.

635

00:34:58,000 --> 00:35:00,000

I got one leg almost.

636

00:35:00,000 --> 00:35:07,000

So the MythBusters final word on Hollywood style killer quicksand, confirm, plausible or bust it?

637

00:35:07,000 --> 00:35:10,000

It's absolutely busted, no such thing.

638

00:35:10,000 --> 00:35:12,000

I agree, completely busted.

639

00:35:15,000 --> 00:35:22,000

The classic movie myth that we're about to test out is would somebody being thrown through a glass window

640

00:35:22,000 --> 00:35:26,000

be able to just dust themselves off, have no cuts and walk away?

641

00:35:26,000 --> 00:35:31,000

They couldn't find a willing volunteer, so they just cast their own.

642

00:35:31,000 --> 00:35:33,000

Alright, let's crack them open.

643

00:35:34,000 --> 00:35:37,000

No!

644

00:35:39,000 --> 00:35:41,000

It's kind of gruesome, isn't it?

645

00:35:41,000 --> 00:35:43,000

You ain't seen nothing yet.

646

00:35:43,000 --> 00:35:50,000

He's basically white latex skin over red colored ballistics gel.

647

00:35:50,000 --> 00:35:56,000

The reason why we're doing that is when he goes through the glass, hopefully it'll puncture the latex skin

648

00:35:56,000 --> 00:35:58,000

and give us a contrast between the white and the red.

649

00:35:58,000 --> 00:36:00,000

But wait, it gets better.

650

00:36:00,000 --> 00:36:05,000

Also, what we have placed inside the ballistics gel are little pockets of blood

651

00:36:05,000 --> 00:36:12,000

and that will also simulate if the glass goes deep enough, hopefully it'll puncture one of those pockets and spray blood.

652

00:36:12,000 --> 00:36:16,000

Now, how do you convince a dummy to jump through a window?

653

00:36:16,000 --> 00:36:18,000

I've made a very simple rig.

654

00:36:18,000 --> 00:36:22,000

We're going to wax or oil up this table so he goes sliding down the table.

655

00:36:22,000 --> 00:36:29,000

He's going to break through this pane of glass and land softly on our table.

656

00:36:30,000 --> 00:36:32,000

Adams popped in for the show.

657

00:36:32,000 --> 00:36:35,000

We're just interested in the effects of the glass on the body.

658

00:36:35,000 --> 00:36:37,000

We didn't have a cranium in that head.

659

00:36:37,000 --> 00:36:41,000

It couldn't have been expected to break a glass with the same kind of force.

660

00:36:41,000 --> 00:36:45,000

That's what the test is about. What happens to you when you get hit by that kind of glass?

661

00:36:45,000 --> 00:36:50,000

This is a bar fight, so it's going to be sliding down like it took a...

662

00:36:50,000 --> 00:36:51,000

Ah!

663

00:36:51,000 --> 00:36:53,000

So, we need to...

664

00:36:53,000 --> 00:36:55,000

I'm glad you've thought through the whole narrative.

665

00:36:55,000 --> 00:36:57,000

Alright, here we go!

666

00:36:57,000 --> 00:36:59,000

Okay everybody!

667

00:36:59,000 --> 00:37:04,000

Okay, five, four, three, two, one, go!

668

00:37:11,000 --> 00:37:14,000

That was really great!

669

00:37:14,000 --> 00:37:15,000

That was a beautiful day!

670

00:37:15,000 --> 00:37:17,000

But how'd the dummy fare?

671

00:37:17,000 --> 00:37:18,000

Any blood first?

672

00:37:18,000 --> 00:37:19,000

No.

673

00:37:19,000 --> 00:37:24,000

The team's not ready to confirm this myth just yet. They want to see some blood.

674

00:37:24,000 --> 00:37:25,000

So, next step...

675

00:37:25,000 --> 00:37:27,000

We might need to get to a quarter inch piece of glass.

676

00:37:27,000 --> 00:37:28,000

Dicker glass.

677

00:37:28,000 --> 00:37:29,000

I like that.

678

00:37:29,000 --> 00:37:35,000

While they reset the glass, let's take a look back at another classic movie myth the boys tried to bust.

679

00:37:35,000 --> 00:37:38,000

Or should we say, buried?

680

00:37:40,000 --> 00:37:46,000

In Hollywood horror, the only fate worse than death is being buried alive.

681

00:37:46,000 --> 00:37:52,000

But how long could someone survive the confines of a coffin six feet under?

682

00:37:52,000 --> 00:37:56,000

To find out, the mythbusters buried one of their own.

683

00:37:56,000 --> 00:37:59,000

I don't know if I'm going to like this too much.

684

00:37:59,000 --> 00:38:01,000

What wasn't to like?

685

00:38:01,000 --> 00:38:10,000

A sturdy 20 gauge steel casket, an above ground burial chamber, several tons of dirt,

686

00:38:10,000 --> 00:38:19,000

a team of paramedics, and as an extra precaution, a night vision camera, and an emergency supply of oxygen.

687

00:38:19,000 --> 00:38:22,000

Alright, I'm a little apprehensive at the moment.

688

00:38:22,000 --> 00:38:26,000

I'm hoping that the box won't collapse, but I think it'll be alright.

689

00:38:27,000 --> 00:38:28,000

You ready, Jimmy?

690

00:38:28,000 --> 00:38:30,000

Farewell, cruel world.

691

00:38:30,000 --> 00:38:32,000

Bye bye, honey man.

692

00:38:43,000 --> 00:38:48,000

I got a fair amount of dirt in here, and it actually crushed the container a little bit.

693

00:38:48,000 --> 00:38:50,000

Roger that, are you nervous about it over?

694

00:38:50,000 --> 00:38:55,000

No, I think I'm fine. It definitely had an effect on the casket though.

695

00:38:55,000 --> 00:39:00,000

But the weight of the world wasn't Jamie's only pressing concern.

696

00:39:00,000 --> 00:39:04,000

He also had to worry about the buildup of deadly CO<sub>2</sub> gas.

697

00:39:05,000 --> 00:39:06,000

Oxygen levels?

698

00:39:06,000 --> 00:39:08,000

Oxygen is at 98%.

699

00:39:08,000 --> 00:39:12,000

I imagine my heart's beating a little faster than it was on the test, over.

700

00:39:12,000 --> 00:39:16,000

You'd be correct about that. It's at 95 right now, buddy.

701

00:39:17,000 --> 00:39:20,000

You are almost officially completely covered now, Jamie.

702

00:39:21,000 --> 00:39:28,000

This thing's really starting to creak, and it's feeling like it's changing its shape.

703

00:39:28,000 --> 00:39:32,000

The cascading tons were just too much for the casket to bear.

704

00:39:32,000 --> 00:39:35,000

The thing is buckling and changing shape on him.

705

00:39:35,000 --> 00:39:37,000

I can feel it coming in.

706

00:39:37,000 --> 00:39:39,000

Roger that, we're gonna get you out.

707

00:39:40,000 --> 00:39:42,000

A hasty exhumation followed.

708

00:39:47,000 --> 00:39:48,000

Oh wow.

709

00:39:49,000 --> 00:39:51,000

Yeah, it buckled.

710

00:39:51,000 --> 00:39:52,000

Here you go.

711

00:39:53,000 --> 00:39:54,000

Hey Jamie.

712

00:39:54,000 --> 00:39:55,000

Hey.

713

00:39:56,000 --> 00:39:58,000

And he's still alive.

714

00:40:00,000 --> 00:40:02,000

It's just sitting there, Gordon.

715

00:40:04,000 --> 00:40:09,000

After 30 minutes underground, too much weight, not too little air,

716

00:40:09,000 --> 00:40:12,000

caused the boys to kill the experiment.

717

00:40:13,000 --> 00:40:16,000

This Hollywood myth was laid to rest.

718

00:40:16,000 --> 00:40:20,000

I don't think it's possible for someone to survive a couple of hours

719

00:40:20,000 --> 00:40:24,000

in the panicked state of being buried with their coffin crushing

720

00:40:24,000 --> 00:40:29,000

and all of that stuff, let alone a couple of days until they're exhumed and found to be alive.

721

00:40:29,000 --> 00:40:31,000

That's just patently ridiculous to me.

722

00:40:31,000 --> 00:40:33,000

Well there you go, myth busted.

723

00:40:35,000 --> 00:40:41,000

Back at the workshop, the build team sets up for another go at shattering a classic movie myth.

724

00:40:41,000 --> 00:40:45,000

Can you jump through a plate glass window unscathed?

725

00:40:45,000 --> 00:40:51,000

Their dummies first flight through an eighth of an inch pane proved the myth plausible.

726

00:40:51,000 --> 00:40:54,000

But garnered unspectacular results.

727

00:40:56,000 --> 00:40:59,000

So they're modifying the experiment

728

00:40:59,000 --> 00:41:00,000

Oh my god.

729

00:41:01,000 --> 00:41:04,000

by removing the dummies thick latex skin.

730

00:41:05,000 --> 00:41:06,000

Yeah.

731

00:41:06,000 --> 00:41:09,000

I am not an animal, I am a human being.

732

00:41:10,000 --> 00:41:14,000

As soon as the glass comes cutting through here, we're going to see all the slices.

733

00:41:14,000 --> 00:41:15,000

It's going to be perfect.

734

00:41:15,000 --> 00:41:19,000

They also replace the window with thicker quarter inch glass,

735

00:41:19,000 --> 00:41:21,000

the type found in most storefronts.

736

00:41:21,000 --> 00:41:23,000

This is the quarter inch thick.

737

00:41:24,000 --> 00:41:26,000

Twice as thick as the other one.

738

00:41:26,000 --> 00:41:27,000

It's a lot heavier.

739

00:41:27,000 --> 00:41:31,000

Five, four, three, two, one, go!

740

00:41:40,000 --> 00:41:41,000

Oh!

741

00:41:43,000 --> 00:41:44,000

Ah!

742

00:41:44,000 --> 00:41:45,000

Dude!

743

00:41:46,000 --> 00:41:48,000

Break out the band-aids.

744

00:41:48,000 --> 00:41:51,000

Look at this, he's taking a massive amount of scraping here.

745

00:41:51,000 --> 00:41:53,000

Whoa, it's bigger than just small.

746

00:41:53,000 --> 00:41:54,000

Yeah.

747

00:41:54,000 --> 00:41:55,000

That's pretty deep.

748

00:41:55,000 --> 00:41:56,000

Look at that.

749

00:41:56,000 --> 00:41:57,000

That's going to take a few stitches.

750

00:41:57,000 --> 00:41:59,000

This is, I mean this guy is, this is standard.

751

00:41:59,000 --> 00:42:00,000

This is standard.

752

00:42:00,000 --> 00:42:03,000

He has lacerations on a whole bunch of different parts of his anatomy.

753

00:42:03,000 --> 00:42:04,000

Yeah.

754

00:42:04,000 --> 00:42:06,000

And look at this, you got this big scrape right here.

755

00:42:06,000 --> 00:42:07,000

Look at that.

756

00:42:07,000 --> 00:42:08,000

Look at that.

757

00:42:09,000 --> 00:42:15,000

So, the Hollywood myth that you could plow through a storefront plate glass window,

758

00:42:15,000 --> 00:42:17,000

dust yourself off on the other side,

759

00:42:17,000 --> 00:42:20,000

and keep on running without any damage to yourself,

760

00:42:20,000 --> 00:42:22,000

busted, plausible, or confirmed.

761

00:42:22,000 --> 00:42:23,000

Busted for sure.

762

00:42:23,000 --> 00:42:24,000

Busted, definitely.

763

00:42:24,000 --> 00:42:26,000

Look how deep these cuts are.

764

00:42:26,000 --> 00:42:27,000

Yeah, I'd agree.

765

00:42:27,000 --> 00:42:29,000

He sustained a hell of a lot of damage on that trip.

766

00:42:32,000 --> 00:42:36,000

You know, people have come to expect really big explosions when they go to the movies.

767

00:42:36,000 --> 00:42:38,000

They've become a mainstay of Hollywood films.

768

00:42:38,000 --> 00:42:41,000

Yeah, they've paid their ten bucks and they want to see a big boom.

769

00:42:41,000 --> 00:42:42,000

Just like Jamie does.

770

00:42:49,000 --> 00:42:54,000

And we know a thing or two about big explosions because we've done quite a few of them on the show.

771

00:42:58,000 --> 00:43:02,000

The myth we're going to test right now is about how a lot of those explosions get started.

772

00:43:02,000 --> 00:43:06,000

We're going to test the myth of, can a cigarette ignite a pool of gasoline?

773

00:43:07,000 --> 00:43:11,000

And there are no circumstances should anybody try this at home.

774

00:43:11,000 --> 00:43:17,000

Yeah, we're not giving you instructions on how to burn things in your house or on your street.

775

00:43:17,000 --> 00:43:19,000

This is debunking the Hollywood myth.

776

00:43:19,000 --> 00:43:24,000

Gasoline ignites between roughly 500 and 540 degrees Fahrenheit.

777

00:43:25,000 --> 00:43:28,000

So to determine if this myth is even plausible,

778

00:43:28,000 --> 00:43:31,000

they gauge the temperature of a lit cigarette first.

779

00:43:32,000 --> 00:43:34,000

You want to blow on that, Timmy?

780

00:43:34,000 --> 00:43:38,000

Why don't I just inhale on it and you get it.

781

00:43:43,000 --> 00:43:47,000

I'm getting about 450, 500 degrees.

782

00:43:47,000 --> 00:43:50,000

Just in range. Time to pour.

783

00:43:50,000 --> 00:43:53,000

Here we go. I am the villain.

784

00:43:57,000 --> 00:44:00,000

My plan is foiled.

785

00:44:00,000 --> 00:44:04,000

Not exactly the Hollywood result they were hoping for.

786

00:44:04,000 --> 00:44:09,000

While the team works out the kinks, let's revisit another volatile myth.

787

00:44:09,000 --> 00:44:13,000

The classic Hollywood myth usually involves a car, doesn't it, for a big explosion?

788

00:44:13,000 --> 00:44:16,000

Yeah, like the exploding gas tank that we did,

789

00:44:16,000 --> 00:44:19,000

shooting bullets at the gas tank actually make it blow up.

790

00:44:19,000 --> 00:44:20,000

That's the one.

791

00:44:21,000 --> 00:44:26,000

To test this myth, Jamie and Adam loaded up their caddy

792

00:44:26,000 --> 00:44:29,000

and headed to their home on the range.

793

00:44:29,000 --> 00:44:30,000

That's fire.

794

00:44:36,000 --> 00:44:38,000

There was gas in the tank

795

00:44:38,000 --> 00:44:41,000

and the bullets were definitely hitting it.

796

00:44:41,000 --> 00:44:43,000

But there was no explosion.

797

00:44:44,000 --> 00:44:46,000

Look at that. One, two, three, four, five.

798

00:44:46,000 --> 00:44:47,000

All right.

799

00:44:47,000 --> 00:44:49,000

Look at that. One, two, three, four, five.

800

00:44:49,000 --> 00:44:51,000

All right in the room.

801

00:44:51,000 --> 00:44:52,000

Yep.

802

00:44:52,000 --> 00:44:55,000

You punctured that gas tank quite neatly.

803

00:44:55,000 --> 00:44:57,000

And I'll bet you went right through the other side.

804

00:44:57,000 --> 00:44:58,000

In a whole of three.

805

00:44:58,000 --> 00:45:00,000

Jamie's rounds went clear through.

806

00:45:00,000 --> 00:45:03,000

There's one that's right out the bottom there.

807

00:45:03,000 --> 00:45:04,000

So you're right.

808

00:45:05,000 --> 00:45:08,000

This Hollywood myth was shot.

809

00:45:11,000 --> 00:45:15,000

In another attempt at a gratuitous explosion,

810

00:45:15,000 --> 00:45:18,000

they wired the barrels of two cement trucks.

811

00:45:18,000 --> 00:45:21,000

Well, I got a one pound black powder bomb.

812

00:45:21,000 --> 00:45:25,000

To test whether explosives could remove old hardened concrete

813

00:45:25,000 --> 00:45:27,000

from inside the mixers.

814

00:45:27,000 --> 00:45:28,000

I love this job.

815

00:45:28,000 --> 00:45:31,000

Without blowing up the trucks entirely.

816

00:45:31,000 --> 00:45:33,000

I want to blow that one up.

817

00:45:33,000 --> 00:45:37,000

The first truck was filled almost completely with rock solid cement.

818

00:45:37,000 --> 00:45:41,000

There's a slab of concrete in there that's three and a half, four feet thick.

819

00:45:41,000 --> 00:45:44,000

While the second had only a thin coating.

820

00:45:44,000 --> 00:45:47,000

It's like a good one inch, half inch cake on all the fence.

821

00:45:50,000 --> 00:45:52,000

The honors went to twister one.

822

00:45:52,000 --> 00:45:54,000

Glass danger.

823

00:45:54,000 --> 00:45:56,000

Clear the area.

824

00:45:56,000 --> 00:45:57,000

Glass danger.

825

00:45:57,000 --> 00:46:00,000

Three, two, one.

826

00:46:05,000 --> 00:46:08,000

But the interior was unscathed.

827

00:46:08,000 --> 00:46:10,000

Did we break some off the floor?

828

00:46:10,000 --> 00:46:11,000

Nothing.

829

00:46:11,000 --> 00:46:13,000

Nothing off the floor.

830

00:46:13,000 --> 00:46:16,000

Time for the lighter twister two.

831

00:46:16,000 --> 00:46:18,000

Glass danger.

832

00:46:18,000 --> 00:46:20,000

Clear the area.

833

00:46:20,000 --> 00:46:22,000

Three, two, one.

834

00:46:25,000 --> 00:46:26,000

Yeah.

835

00:46:26,000 --> 00:46:28,000

Got some big chunks.

836

00:46:30,000 --> 00:46:32,000

A lot of stuff came off.

837

00:46:32,000 --> 00:46:34,000

This area is pretty clean.

838

00:46:34,000 --> 00:46:37,000

The stuff that's still here is pretty loose.

839

00:46:38,000 --> 00:46:42,000

But what about twister one with its barrel full of concrete?

840

00:46:42,000 --> 00:46:47,000

You know, you can't really put enough explosive in there to blow that up without just blowing the truck up.

841

00:46:47,000 --> 00:46:50,000

And that's when the light bulb lit up.

842

00:46:50,000 --> 00:46:55,000

So under the watchful eyes of numerous law enforcement agencies,

843

00:46:55,000 --> 00:46:59,000

dozens of bags of high explosives were loaded into the drum.

844

00:47:01,000 --> 00:47:03,000

Fire in the hole. Fire in the hole.

845

00:47:03,000 --> 00:47:09,000

Five, four, three, two, one.

846

00:47:10,000 --> 00:47:12,000

Yeah.

847

00:47:25,000 --> 00:47:28,000

Finally, the Mythbusters got what they came for.

848

00:47:28,000 --> 00:47:30,000

Talk about removing concrete.

849

00:47:30,000 --> 00:47:34,000

There is no concrete. There is no truck. There is no nothing.

850

00:47:35,000 --> 00:47:41,000

Having failed to ignite a gasoline trail like they do in the movies with the toss of a lit cigarette,

851

00:47:41,000 --> 00:47:44,000

the boys modify their experiment.

852

00:47:55,000 --> 00:47:57,000

Okay, I'm clear.

853

00:47:57,000 --> 00:48:00,000

And place the cigarette in the gas.

854

00:48:00,000 --> 00:48:01,000

No.

855

00:48:02,000 --> 00:48:04,000

Well, what if they roll it?

856

00:48:04,000 --> 00:48:07,000

It's still hot. It's still not out yet.

857

00:48:07,000 --> 00:48:09,000

Nothing's happened.

858

00:48:09,000 --> 00:48:14,000

Well, it seems that an ember isn't pulling in as much oxygen as an open flame.

859

00:48:14,000 --> 00:48:15,000

Right.

860

00:48:15,000 --> 00:48:16,000

So maybe that has something to do with it.

861

00:48:16,000 --> 00:48:18,000

I think you're probably right about that.

862

00:48:18,000 --> 00:48:19,000

So, Mythbusted?

863

00:48:19,000 --> 00:48:27,000

So the reality of this is that it is highly unlikely that you will be able to ignite gasoline on the ground with a cigarette.

864

00:48:27,000 --> 00:48:29,000

But theoretically, it's possible.

865

00:48:29,000 --> 00:48:34,000

We know the temperature that gasoline needs to ignite at from a cigarette.

866

00:48:34,000 --> 00:48:38,000

We've got that data, but I can't make it do it.

867

00:48:38,000 --> 00:48:39,000

Right.

868

00:48:44,000 --> 00:48:50,000

Well, Hollywood has definitely provided Mythbusters with a ton of excuses to prove and disprove and test

869

00:48:50,000 --> 00:48:52,000

and just plain blow stuff up.

870

00:48:52,000 --> 00:48:54,000

And I bet they're going to give us a few more.

871

00:48:54,000 --> 00:48:56,000

Actually, I've got a couple of ideas about that.

872

00:48:56,000 --> 00:48:58,000

I was on some movie the other night.