

1

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

Please, don't try anything that you're about to see us do at home.

2

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

Ever.

3

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

A car in reverse could stop your car.

4

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

Hey, did you see the smoke up those tires?

5

00:00:36,000 --> 00:00:42,000

You also wanted to know if sneezing with your eyes open could pop out your eyeball.

6

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

And if a tennis ball could serve as a lock pick.

7

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

Don't try this at home.

8

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

Then you even donated a car for some high explosives hijinks.

9

00:00:56,000 --> 00:01:03,000

So buckle up and get fired up because this show is for you.

10

00:01:08,000 --> 00:01:10,000

Who are the Mythbusters?

11

00:01:10,000 --> 00:01:11,000

Adam Savage.

12

00:01:11,000 --> 00:01:13,000

Ow, ow, ow, ow, ow, ow.

13

00:01:13,000 --> 00:01:15,000

And Jamie Heineman.

14

00:01:15,000 --> 00:01:17,000

It's almost too exciting.

15

00:01:17,000 --> 00:01:18,000

Wow!

16

00:01:18,000 --> 00:01:22,000

Between them more than 30 years of special effects experience.

17

00:01:23,000 --> 00:01:25,000

Huge dramatic music.

18

00:01:25,000 --> 00:01:28,000

Joining them, Carrie Byron.

19

00:01:28,000 --> 00:01:29,000

Brent Imahara.

20

00:01:29,000 --> 00:01:31,000

Danger, warning, warning.

21

00:01:31,000 --> 00:01:33,000

And Tori Belleggi.

22

00:01:34,000 --> 00:01:35,000

10 bucks.

23

00:01:35,000 --> 00:01:37,000

They don't just tell the myths.

24

00:01:37,000 --> 00:01:40,000

They put them to the test.

25

00:01:53,000 --> 00:01:55,000

General, please.

26

00:01:55,000 --> 00:01:59,000

If you're ready, it's time for the very first Mythbusters viewer special.

27

00:01:59,000 --> 00:02:03,000

Yeah, since the beginning of season five or the Hindenburg episode,

28

00:02:03,000 --> 00:02:05,000

we've been appealing to you for ideas.

29

00:02:05,000 --> 00:02:07,000

Yeah, we've been inundated with some of the myths

30

00:02:07,000 --> 00:02:09,000

and some are just questions people need answers to.

31

00:02:09,000 --> 00:02:12,000

The kind of questions that keep America awake at night.

32

00:02:12,000 --> 00:02:13,000

Exactly.

33

00:02:13,000 --> 00:02:16,000

So we're just going to take the most popular ideas that the viewers are giving us

34

00:02:16,000 --> 00:02:18,000

and we're going to test them here and now.

35

00:02:18,000 --> 00:02:20,000

Well, let's split it up.

36

00:02:20,000 --> 00:02:22,000

You guys take a few and we'll take a few.

37

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

Perfect.

38

00:02:23,000 --> 00:02:25,000

Why don't Jamie and I kick it all off?

39

00:02:33,000 --> 00:02:34,000

Are you ready for this?

40

00:02:34,000 --> 00:02:38,000

We're just about to do the most requested myth ever in the history of Mythbusters.

41

00:02:38,000 --> 00:02:41,000

Over 10,000 people have asked us to take this one on.

42

00:02:41,000 --> 00:02:42,000

What?

43

00:02:42,000 --> 00:02:44,000

Okay, quite simply put.

44

00:02:44,000 --> 00:02:47,000

I can tell you're really excited, but calm down.

45

00:02:47,000 --> 00:02:48,000

Okay, here it is.

46

00:02:48,000 --> 00:02:51,000

That if you sneeze with your eyes open,

47

00:02:51,000 --> 00:02:55,000

your eyes pop out of your head and roll across the floor.

48

00:02:55,000 --> 00:02:56,000

Get out.

49

00:02:56,000 --> 00:02:57,000

That's where it got.

50

00:02:57,000 --> 00:03:01,000

Now, thanks to the viewer requests, we're going to take it on.

51

00:03:09,000 --> 00:03:13,000

In cartoons, a good sneeze can catapult you into the ceiling.

52

00:03:13,000 --> 00:03:16,000

In the real world, Mythbusters fans reckon

53

00:03:16,000 --> 00:03:20,000

that sneezing with your eyes open could pop them right out.

54

00:03:20,000 --> 00:03:22,000

So, is there anything to this myth

55

00:03:22,000 --> 00:03:26,000

or will the eye-popped sneeze be all washed out?

56

00:03:27,000 --> 00:03:31,000

The physics of this myth are nothing to sniff at.

57

00:03:31,000 --> 00:03:35,000

A sneeze is the fastest physical reaction of the human body

58

00:03:35,000 --> 00:03:40,000

with the spray reaching speeds of over 120 miles an hour.

59

00:03:40,000 --> 00:03:46,000

So, perhaps this force is violent enough to propel your peepers out of place.

60

00:03:46,000 --> 00:03:52,000

For viewer myth number one, the team gets straight into capturing some a-choose.

61

00:03:52,000 --> 00:03:54,000

The setup is pretty straightforward.

62

00:03:54,000 --> 00:03:57,000

Your basic grid, which we love to put behind all our high-speed shots,

63

00:03:57,000 --> 00:03:59,000

and Jamie and I need to sit in the chair in front of the high-speed camera

64

00:03:59,000 --> 00:04:03,000

and generate a sneeze and hold our eyes open while we're doing it.

65

00:04:03,000 --> 00:04:06,000

The high-speed should make it absolutely clear if we're successful,

66

00:04:06,000 --> 00:04:08,000

and that should answer this question.

67

00:04:08,000 --> 00:04:10,000

Yep, it really is that simple.

68

00:04:10,000 --> 00:04:13,000

So, who's first for the sneeze shooting range?

69

00:04:13,000 --> 00:04:16,000

So, have you ever tried to make yourself sneeze?

70

00:04:16,000 --> 00:04:19,000

No, I get boogers all over my face.

71

00:04:23,000 --> 00:04:26,000

Despite his snot rocket reservations,

72

00:04:26,000 --> 00:04:28,000

Jamie takes the hot seat,

73

00:04:28,000 --> 00:04:32,000

and to induce sneezing, Adam tries a well-known tickly tactic.

74

00:04:32,000 --> 00:04:34,000

Does that help at all?

75

00:04:34,000 --> 00:04:36,000

No, it's f***ing me off, though.

76

00:04:37,000 --> 00:04:39,000

The Heinemann isn't moved.

77

00:04:39,000 --> 00:04:42,000

So, they try something from the cartoons.

78

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

Pepper up the nose, perhaps with eye-popping results.

79

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

My experience in the past with pepper, plain old black pepper,

80

00:04:50,000 --> 00:04:52,000

that makes me sneeze.

81

00:04:56,000 --> 00:04:59,000

So, what is it about pepper that makes you sneeze?

82

00:04:59,000 --> 00:05:01,000

Well, pepper, whether it's white, black, or green,

83

00:05:01,000 --> 00:05:04,000

has an alkaloid of pyridine called piperine,

84

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

and this irritates the nerve endings underneath your mucus membranes,

85

00:05:08,000 --> 00:05:10,000

and it wants to get it out of there.

86

00:05:10,000 --> 00:05:12,000

So, your nose wants to get the irritant out,

87

00:05:12,000 --> 00:05:14,000

and the only way it knows how to do that is to sneeze?

88

00:05:14,000 --> 00:05:16,000

That's pretty much it.

89

00:05:16,000 --> 00:05:19,000

That is pretty much it.

90

00:05:19,000 --> 00:05:21,000

But for Jamie, it's just not working.

91

00:05:21,000 --> 00:05:24,000

It actually kind of makes me want to cough instead of sneeze,

92

00:05:24,000 --> 00:05:27,000

because it's burning all the way down to my throat.

93

00:05:27,000 --> 00:05:29,000

Hey!

94

00:05:29,000 --> 00:05:31,000

Gizuntai.

95

00:05:31,000 --> 00:05:33,000

But unfortunately, there's a problem.

96

00:05:33,000 --> 00:05:35,000

Eyes totally closed.

97

00:05:35,000 --> 00:05:37,000

He lost his concentration.

98

00:05:37,000 --> 00:05:39,000

Eyes are totally closed.

99

00:05:39,000 --> 00:05:42,000

Oh, there's a little silvery booger there, too,

100

00:05:42,000 --> 00:05:44,000

right on this big old stash.

101

00:05:44,000 --> 00:05:46,000

It glints in the light.

102

00:05:46,000 --> 00:05:49,000

For this test, Jamie needed to keep his eyes open.

103

00:05:49,000 --> 00:05:51,000

But in the heat of the moment,

104

00:05:51,000 --> 00:05:54,000

he couldn't overcome the sneeze reflex.

105

00:05:54,000 --> 00:05:56,000

Well, dude, your eyes are closed, though.

106

00:05:56,000 --> 00:05:58,000

I think we need another shot at this.

107

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

I've got too much pepper in the system.

108

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

I don't think I can do any more.

109

00:06:02,000 --> 00:06:04,000

All right, well, I'll give a shot.

110

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

Okay.

111

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

Maybe Adam can keep his eyes on the prize.

112

00:06:08,000 --> 00:06:10,000

Good luck, buddy.

113

00:06:10,000 --> 00:06:12,000

There we go.

114

00:06:15,000 --> 00:06:17,000

I just had one of those...

115

00:06:17,000 --> 00:06:19,000

What the hell are we doing?

116

00:06:19,000 --> 00:06:21,000

moments.

117

00:06:21,000 --> 00:06:24,000

Just like Jamie, Adam takes a big whiff of the pepper.

118

00:06:24,000 --> 00:06:26,000

It's cold!

119

00:06:30,000 --> 00:06:32,000

How's that?

120

00:06:32,000 --> 00:06:33,000

That was a sneeze.

121

00:06:33,000 --> 00:06:35,000

Yeah, I think I closed my eye.

122

00:06:35,000 --> 00:06:37,000

I'm pretty sure I did. Like, I couldn't not.

123

00:06:37,000 --> 00:06:39,000

And the high speed confirms it.

124

00:06:39,000 --> 00:06:41,000

At the precise moment of the sneeze,

125

00:06:41,000 --> 00:06:43,000

Adam's eyes were shut.

126

00:06:43,000 --> 00:06:45,000

He opened them afterwards.

127

00:06:45,000 --> 00:06:47,000

So this time, Adam has a plan

128

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

to produce some potentially blinding results.

129

00:06:50,000 --> 00:06:52,000

I'm gonna try and hold my eyes open this time.

130

00:06:52,000 --> 00:06:53,000

We'll try.

131

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

Or like that. All right?

132

00:06:55,000 --> 00:06:57,000

Whatever floats your boat.

133

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

Adam's not leaving anything to chance.

134

00:06:59,000 --> 00:07:02,000

This time, he'll clamp his eyes open.

135

00:07:02,000 --> 00:07:04,000

But will he be able to sneeze

136

00:07:04,000 --> 00:07:06,000

without causing permanent damage?

137

00:07:06,000 --> 00:07:08,000

It's cold!

138

00:07:17,000 --> 00:07:19,000

Oh, my God.

139

00:07:19,000 --> 00:07:21,000

He opened it.

140

00:07:21,000 --> 00:07:23,000

And before Adam can blink,

141

00:07:23,000 --> 00:07:25,000

there's another sneeze on the way.

142

00:07:25,000 --> 00:07:27,000

It's...

143

00:07:27,000 --> 00:07:29,000

Good job. You did it again.

144

00:07:29,000 --> 00:07:31,000

Thank you.

145

00:07:31,000 --> 00:07:33,000

Yep, it's another world first

146

00:07:33,000 --> 00:07:35,000

for Mythbusters science.

147

00:07:35,000 --> 00:07:37,000

The high speeds confirm Adam

148

00:07:37,000 --> 00:07:39,000

definitely held his eyes open for both sneezes.

149

00:07:39,000 --> 00:07:41,000

And there was no bulging

150

00:07:41,000 --> 00:07:43,000

or eye-popping in sight.

151

00:07:43,000 --> 00:07:46,000

Oh, my God. That's awful.

152

00:07:49,000 --> 00:07:52,000

Those eyes don't look like they're bulging out at all.

153

00:07:52,000 --> 00:07:53,000

No. No.

154

00:07:53,000 --> 00:07:56,000

Well, they do, but they normally look that way.

155

00:07:56,000 --> 00:07:58,000

Peel the eye from the lashes back.

156

00:07:58,000 --> 00:08:01,000

Viewer myth number one is looking ready to bust.

157

00:08:01,000 --> 00:08:04,000

That's pretty definitive.

158

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

I mean, I couldn't do it, but you sure as heck did.

159

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

You did it twice.

160

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

Yeah, it's looking pretty busted,

161

00:08:10,000 --> 00:08:12,000

but because the fans asked so many times,

162

00:08:12,000 --> 00:08:15,000

I'd really like to wrap this up with an expert opinion.

163

00:08:15,000 --> 00:08:18,000

The Mythbusters are going all out for the viewers.

164

00:08:18,000 --> 00:08:20,000

So Adam heads to UCSF,

165

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

where ophthalmologist Jackie Duncan can set him straight.

166

00:08:24,000 --> 00:08:26,000

That was just a...

167

00:08:26,000 --> 00:08:28,000

I'm sure that when the fans hear this question,

168

00:08:28,000 --> 00:08:29,000

they're thinking that you go,

169

00:08:29,000 --> 00:08:31,000

ah, shoot, and your eye goes, boing, boing, boing, boing.

170

00:08:31,000 --> 00:08:33,000

I mean, could your eye actually pop

171

00:08:33,000 --> 00:08:34,000

all the way out of your head?

172

00:08:34,000 --> 00:08:36,000

Well, that's almost impossible.

173

00:08:36,000 --> 00:08:39,000

There are a number of things holding your eye in your head.

174

00:08:39,000 --> 00:08:41,000

There's a covering over the surface of the eye

175

00:08:41,000 --> 00:08:42,000

called the Conjunctiva.

176

00:08:42,000 --> 00:08:44,000

Your eye is also connected to six different

177

00:08:44,000 --> 00:08:47,000

extra-accleration muscles that allow your eyes to move around.

178

00:08:47,000 --> 00:08:49,000

Finally, the optic nerve is connected to your eye,

179

00:08:49,000 --> 00:08:52,000

and would prevent it from falling out and rolling across the floor.

180

00:08:52,000 --> 00:08:54,000

That's a lot of ophthalmology.

181

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

But what it means is, no matter how hard you blow,

182

00:08:57,000 --> 00:09:01,000

your eyes aren't going to go anywhere.

183

00:09:01,000 --> 00:09:02,000

There you have it.

184

00:09:02,000 --> 00:09:04,000

I mean, I couldn't do it, but you sure as heck did.

185

00:09:04,000 --> 00:09:06,000

And you did it twice.

186

00:09:06,000 --> 00:09:08,000

You sneezed, you held your eyes open,

187

00:09:08,000 --> 00:09:10,000

and no eyeballs came out.

188

00:09:10,000 --> 00:09:11,000

Here they are. Yeah.

189

00:09:11,000 --> 00:09:13,000

You asked for it, and we did it.

190

00:09:13,000 --> 00:09:15,000

This one is totally busted.

191

00:09:15,000 --> 00:09:16,000

It's busted.

192

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

Still to come, a fan donates a car for some Hollywood hijinks.

193

00:09:21,000 --> 00:09:26,000

And after the break,

194

00:09:26,000 --> 00:09:30,000

Vrant and Tory try to stop with reverse.

195

00:09:30,000 --> 00:09:34,000

Hey! Did you see the smoke off those tires?

196

00:09:34,000 --> 00:09:36,000

up with reverse.

197

00:09:36,000 --> 00:09:51,520

Did you see the smoke off those tires?

198

00:09:51,520 --> 00:09:57,560

Next up, another fan favorite, hot off the website.

199

00:09:57,560 --> 00:10:02,720

Our next viewer myth is a classic and that is can you stop a car by throwing it in reverse?

200

00:10:02,720 --> 00:10:07,280

At a test this we've come to one of our favorite places, the runway at Alameda.

201

00:10:07,280 --> 00:10:12,840

We've gotten two donated cars because we're pretty sure they're not going to survive.

202

00:10:12,840 --> 00:10:14,400

You ready to wreck these cars?

203

00:10:14,400 --> 00:10:16,000

Let's do it!

204

00:10:16,000 --> 00:10:23,800

This viewer myth is not recommended for your car.

205

00:10:23,800 --> 00:10:28,560

We've all thought about it and now you the fans want to know if you can stop a runaway

206

00:10:28,560 --> 00:10:32,320

car by throwing it in reverse.

207

00:10:32,320 --> 00:10:37,760

And shifting gear, stop your car or will it just trash your transmission?

208

00:10:37,760 --> 00:10:40,560

What's the plan Stan?

209

00:10:40,560 --> 00:10:42,360

Okay, this is a plan.

210

00:10:42,360 --> 00:10:44,760

I've gotten automatic, you've got a stick shift.

211

00:10:44,760 --> 00:10:48,720

We'll drive it to 50 miles an hour and then stop at a line that we paint on the ground.

212

00:10:48,720 --> 00:10:52,280

Alright, we'll hit the regular brakes, see how long it takes for us to stop and then

213

00:10:52,280 --> 00:10:55,160

for the grand finale we'll throw it into reverse and see what happens.

214

00:10:55,160 --> 00:10:58,120

I love it, let's do it!

215

00:10:58,120 --> 00:11:01,000

That's the plan, no frills, no fuss.

216

00:11:01,000 --> 00:11:09,880

You asked for it and we delivered.

217

00:11:09,880 --> 00:11:13,880

First up is the regular braking distance on the automatic.

218

00:11:13,880 --> 00:11:16,880

At 50.

219

00:11:16,880 --> 00:11:22,880

Oh my god.

220

00:11:22,880 --> 00:11:26,920

Dang, did you see the smoke off those tires?

221

00:11:27,040 --> 00:11:31,320

You do but they're all on the asphalt.

222

00:11:31,320 --> 00:11:34,560

So how to grant skid marks, measure up.

223

00:11:34,560 --> 00:11:41,160

61, 2, 3, 4, 5, 65 feet.

224

00:11:41,160 --> 00:11:47,120

65 feet to bring the automatic to a dead stop with the brakes.

225

00:11:47,120 --> 00:11:53,480

In 3, 2, 1, go!

226

00:11:53,560 --> 00:12:00,480

Tori accelerates to 50 miles an hour and when he hits the stop line he slams on the brakes.

227

00:12:00,480 --> 00:12:03,480

Alright!

228

00:12:03,480 --> 00:12:08,480

Did you smell the rubber?

229

00:12:08,480 --> 00:12:09,480

Dude!

230

00:12:09,480 --> 00:12:10,480

That was fun!

231

00:12:10,480 --> 00:12:11,480

Nice.

232

00:12:11,480 --> 00:12:13,480

How old did you get to be?

233

00:12:13,480 --> 00:12:14,480

70?

234

00:12:14,480 --> 00:12:15,480

75?

235

00:12:15,480 --> 00:12:16,480

80.

236

00:12:16,480 --> 00:12:17,480

80 feet?

237

00:12:17,480 --> 00:12:22,480

80 feet with the regular brake pedal.

238

00:12:22,480 --> 00:12:27,480

80 feet for the manual and 65 feet for the auto ain't bad.

239

00:12:27,480 --> 00:12:29,480

Slams the brakes.

240

00:12:29,480 --> 00:12:32,480

But what happens when you shift into reverse?

241

00:12:32,480 --> 00:12:34,480

How will the stopping distance compare?

242

00:12:34,480 --> 00:12:38,480

Let's do this, here we go.

243

00:12:38,480 --> 00:12:39,480

Ready?

244

00:12:39,480 --> 00:12:44,480

In 3, 2, 1, go!

245

00:12:44,480 --> 00:12:47,480

Grant brings the car up to 50 miles per hour.

246

00:12:47,480 --> 00:12:52,480

When he hits the wide line, instead of hitting the brakes, he'll shift into reverse, just

247

00:12:52,480 --> 00:12:55,480

like you asked, and try to stop the car.

248

00:12:55,480 --> 00:12:58,480

Or at least, that's the theory.

249

00:12:58,480 --> 00:13:01,480

That's interesting.

250

00:13:01,480 --> 00:13:05,480

But that's not exactly the photo finish the guys were expecting.

251

00:13:05,480 --> 00:13:09,480

Buddy, it doesn't look like you did anything.

252

00:13:09,480 --> 00:13:10,480

Nope, it's in reverse.

253

00:13:10,480 --> 00:13:13,480

The check engine lights on, the battery lights on.

254

00:13:13,480 --> 00:13:15,480

I'm still coasting.

255

00:13:15,480 --> 00:13:22,480

That was the most underwhelming outcome I've ever seen on this show.

256

00:13:22,480 --> 00:13:27,480

2270 feet.

257

00:13:27,480 --> 00:13:31,480

It's a new record.

258

00:13:31,480 --> 00:13:35,480

That's an extra 2250 feet from the brakes.

259

00:13:35,480 --> 00:13:41,480

Turns out the automatic has a safety device, making it impossible to engage reverse while

260

00:13:41,480 --> 00:13:42,480

driving forward.

261

00:13:42,480 --> 00:13:49,480

The reverse stop theory is running out of gas, but there's still one more car to try.

262

00:13:49,480 --> 00:13:50,480

Here we go.

263

00:13:50,480 --> 00:13:54,480

In 3, 2, 1, go!

264

00:13:54,480 --> 00:13:56,480

Start your engines.

265

00:13:56,480 --> 00:14:00,480

Once again, Tori's gunning for 50 miles per hour.

266

00:14:00,480 --> 00:14:06,480

And when he hits the stop line, he throws the manual into reverse.

267

00:14:06,480 --> 00:14:10,480

Unfortunately, it's not as easy as you might think.

268

00:14:10,480 --> 00:14:14,480

The transmission crunches and Tori clenches.

269

00:14:14,480 --> 00:14:16,480

Here we go, of course.

270

00:14:16,480 --> 00:14:17,480

Hit the brakes!

271

00:14:17,480 --> 00:14:18,480

Save yourself!

272

00:14:18,480 --> 00:14:22,480

But he can't engage the reverse gear.

273

00:14:22,480 --> 00:14:25,480

Hey, you made it down here.

274

00:14:25,480 --> 00:14:29,480

1,922 feet from the stop mark.

275

00:14:29,480 --> 00:14:34,480

Oh my God, trying to throw it into reverse to stop the manual is just not the way to go.

276

00:14:34,480 --> 00:14:42,480

Even with Tori's mantra, if you can't find it, grind it, the car still went an extra 1,842 feet.

277

00:14:42,480 --> 00:14:49,480

Maybe that's because with a manual transmission, you have to be at a complete stop to select reverse.

278

00:14:49,480 --> 00:14:52,480

So, what's the verdict from the guys?

279

00:14:52,480 --> 00:14:56,480

Alright, the fans, they have been dying to see this one tested and we tested it.

280

00:14:56,480 --> 00:15:00,480

Trying to stop a manual car by throwing it into reverse, totally busted.

281

00:15:00,480 --> 00:15:04,480

Trying to stop an automatic car by throwing it into reverse, also busted.

282

00:15:04,480 --> 00:15:06,480

Alright, but we can't stop here.

283

00:15:06,480 --> 00:15:08,480

It sounds like you have something up your sleeve.

284

00:15:08,480 --> 00:15:11,480

Yeah, automatics have a park gear.

285

00:15:11,480 --> 00:15:15,480

I think we have to get this car up to 50 miles an hour and throw it into park.

286

00:15:15,480 --> 00:15:21,480

It's the viewer special and we owe it to you to leave no stone unturned.

287

00:15:21,480 --> 00:15:26,480

The team revs up for one last try at trashing the transmission.

288

00:15:26,480 --> 00:15:29,480

Okay, everybody, heads up. This is the automatic.

289

00:15:29,480 --> 00:15:33,480

Going at 50 miles per hour, we are throwing it into park.

290

00:15:33,480 --> 00:15:37,480

In three, two, one, go!

291

00:15:38,480 --> 00:15:41,480

They're going to park at 50 miles per hour.

292

00:15:41,480 --> 00:15:44,480

Will this give them the result they're after?

293

00:15:44,480 --> 00:15:46,480

Okay, you're at 50?

294

00:15:46,480 --> 00:15:49,480

Yep, I'm at 50 miles an hour. Here it comes!

295

00:15:49,480 --> 00:15:51,480

No!

296

00:15:51,480 --> 00:15:52,480

What?

297

00:15:52,480 --> 00:15:55,480

Nothing, I'm in park.

298

00:15:55,480 --> 00:16:02,480

Even shifting into park didn't stop the car, which means viewer myth number two is busted.

299

00:16:02,480 --> 00:16:05,480

That sucked!

300

00:16:26,480 --> 00:16:32,480

And now for something completely different.

301

00:16:32,480 --> 00:16:36,480

Mythbusters viewers like nothing more than a good bang.

302

00:16:36,480 --> 00:16:39,480

Be it an annihilated avalanche.

303

00:16:39,480 --> 00:16:42,480

Oh, look at that!

304

00:16:42,480 --> 00:16:44,480

Detonating denim.

305

00:16:44,480 --> 00:16:48,480

Or a cement truck turned torpedo.

306

00:16:48,480 --> 00:16:54,480

So it's no surprise that viewers want more.

307

00:16:55,480 --> 00:16:59,480

Alright, next one up says, Exploding Car. Is that a myth?

308

00:16:59,480 --> 00:17:03,480

It's no myth. Some kid emailed me and said he wanted us to blow up his parents' car.

309

00:17:03,480 --> 00:17:06,480

I told him, sure, why not, as long as he gets their permission?

310

00:17:06,480 --> 00:17:10,480

Well, I suppose it is a viewer request special, so we ought to honor it.

311

00:17:10,480 --> 00:17:17,480

Yeah, and I figure while we're at it, we should just use it as an excuse to test Hollywood explosions as opposed to the real thing.

312

00:17:17,480 --> 00:17:22,480

That's perfect! We do two explosions. One's like a big Hollywood fireball, the next one's like the cement truck.

313

00:17:22,480 --> 00:17:23,480

The real deal.

314

00:17:23,480 --> 00:17:25,480

Perfect. Let's do it.

315

00:17:25,480 --> 00:17:29,480

It's a story inspired by Chris Canella.

316

00:17:29,480 --> 00:17:35,480

He wrote in with a simple wish. He wants his parents' car obliterated.

317

00:17:35,480 --> 00:17:42,480

It may be this viewer's dream come true, but it's this car's worst nightmare.

318

00:17:42,480 --> 00:17:45,480

It's going to explode not once, but twice.

319

00:17:45,480 --> 00:17:50,480

And it's going to go down in one of the team's all-time favorite places.

320

00:17:50,480 --> 00:17:57,480

We are back at one of the fans' most treasured Mythbuster locations at the Rock Quarry, where we blew up the cement truck.

321

00:17:57,480 --> 00:18:02,480

And where we did 22,000-foot fall explosion.

322

00:18:04,480 --> 00:18:08,480

Today we're here to blow up a 12-year-old kid's parents' car.

323

00:18:08,480 --> 00:18:09,480

Twice.

324

00:18:09,480 --> 00:18:15,480

First time, it's going to be a movie-style explosion, like from the 70s TV shows that you grew up with.

325

00:18:15,480 --> 00:18:19,480

The second time, it's going to be a real explosion, and there's going to be nothing left.

326

00:18:19,480 --> 00:18:22,480

So the team's hoping for some car carnage.

327

00:18:22,480 --> 00:18:27,480

And retired FBI agent Frank Doyle is just the man for the job.

328

00:18:27,480 --> 00:18:31,480

We're going to fix it. We're going to do some instantaneous repair.

329

00:18:31,480 --> 00:18:39,480

As the bomb techs get technical, prepping the car for the Hollywood-style boom, Adam's pulling out all the movie cliches.

330

00:18:39,480 --> 00:18:43,480

Here's how it's going to set up. Camera's going to be right where camera is right now.

331

00:18:43,480 --> 00:18:46,480

Car's going to blow up. I'm going to be running.

332

00:18:46,480 --> 00:18:53,480

Oh, I'm going to be diving, hopefully, in midair as the explosion happens and land safely on these mats.

333

00:18:53,480 --> 00:18:56,480

Then I get to live out my fantasy as a stuntman.

334

00:18:56,480 --> 00:18:59,480

With Adam Adamant, he's playing the role of stuntman.

335

00:18:59,480 --> 00:19:03,480

Jamie wants to first take a few safety precautions.

336

00:19:03,480 --> 00:19:11,480

So Adam, if you want to do that shot where you're running away from an explosion, and the explosion's in the car...

337

00:19:11,480 --> 00:19:13,480

I don't want any glass in my backside.

338

00:19:13,480 --> 00:19:16,480

Exactly. That's what I was thinking. Maybe I should take the windows out, huh?

339

00:19:16,480 --> 00:19:18,480

Yeah, let's... Can I do one?

340

00:19:18,480 --> 00:19:19,480

Okay, sure.

341

00:19:19,480 --> 00:19:21,480

Don't try this at home.

342

00:19:21,480 --> 00:19:22,480

Boom!

343

00:19:22,480 --> 00:19:25,480

Ha ha ha ha ha ha!

344

00:19:25,480 --> 00:19:29,480

With the glass out the window, the bomb squad takes care of the rest.

345

00:19:29,480 --> 00:19:33,480

This type of stunt is all about the visual effect.

346

00:19:33,480 --> 00:19:37,480

The main thing that people are going to be seeing here is just gasoline burning.

347

00:19:37,480 --> 00:19:47,480

Now, we are using explosives, but it is only to place under the gasoline to vaporize the gasoline and make it easier for the gasoline to burn.

348

00:19:47,480 --> 00:19:48,480

That's the theory.

349

00:19:48,480 --> 00:19:53,480

Add with the gas in place, everything's ready for some movie-inspired mayhem.

350

00:19:53,480 --> 00:19:57,480

So, are you ready for a Hollywood-style explosion for your parents' car?

351

00:19:57,480 --> 00:19:58,480

Yeah.

352

00:19:58,480 --> 00:20:00,480

You got anything else you want us to blow up?

353

00:20:00,480 --> 00:20:02,480

Aside from my other parents' car.

354

00:20:02,480 --> 00:20:04,480

Ha ha ha ha ha!

355

00:20:04,480 --> 00:20:05,480

Well, where is it?

356

00:20:05,480 --> 00:20:07,480

It's party time. Let's do this.

357

00:20:07,480 --> 00:20:08,480

You feel ready?

358

00:20:08,480 --> 00:20:09,480

Oh, yeah.

359

00:20:09,480 --> 00:20:10,480

All right, give me a high-five.

360

00:20:10,480 --> 00:20:12,480

Excellent. Let's go.

361

00:20:13,480 --> 00:20:17,480

With everything set, stuntman Adam does his stretches.

362

00:20:17,480 --> 00:20:19,480

And then it's go time.

363

00:20:19,480 --> 00:20:20,480

Burn it all!

364

00:20:20,480 --> 00:20:22,480

Burn it all!

365

00:20:22,480 --> 00:20:26,480

Three, two, one!

366

00:20:26,480 --> 00:20:27,480

Good!

367

00:20:33,480 --> 00:20:36,480

It's a perfect copy of a cinematic cliché.

368

00:20:37,480 --> 00:20:46,480

Janey presses the plunger, and in a move that Hannibal Smith would be proud of, Adam leaps as the car gets blown sky high.

369

00:20:46,480 --> 00:20:49,480

I love it when a plan comes together.

370

00:20:49,480 --> 00:20:51,480

Well, almost.

371

00:20:51,480 --> 00:20:54,480

Of course, nothing ever goes quite as smoothly as you'd hope.

372

00:20:54,480 --> 00:21:05,480

And when the three, two, one, which we had all planned out for me to start running at three, to jump at one so that I'd be in the middle of the air at zero when the bomb went off.

373

00:21:05,480 --> 00:21:10,480

The three, two, one happened a little slower than I thought it would, so I kind of had to slow down.

374

00:21:10,480 --> 00:21:21,480

Nonetheless, the high-speed shot of Janey pushing the plunger while I'm in midair with the fireball behind, a wide shot of flames shooting high up into the sky, it could not have gone better.

375

00:21:22,480 --> 00:21:28,480

You can't improve on perfection, and viewer Chris is pretty darn excited.

376

00:21:28,480 --> 00:21:34,480

Right now, I pretty much feel like the happiest kid on earth, and this is just half of it.

377

00:21:34,480 --> 00:21:41,480

The next thing we're going to do is put real explosives in this car, and the car is going to go away.

378

00:21:41,480 --> 00:21:43,480

Going on the investors!

379

00:21:43,480 --> 00:21:46,480

Everyone knows that cigarettes are deadly, but what about their butts?

380

00:21:51,480 --> 00:21:53,480

Remember, don't try this at home.

381

00:21:53,480 --> 00:21:56,480

We've got years of experience that keeps us safe.

382

00:22:10,480 --> 00:22:11,480

So what's the next story?

383

00:22:11,480 --> 00:22:16,480

It's called Killer Butts, and it's not about somebody's rear end.

384

00:22:16,480 --> 00:22:18,480

Okay, I gotta know, what is the story?

385

00:22:18,480 --> 00:22:24,480

Well, a couple of good old boys decided to get drunk and mess around with guns. Generally not a good idea.

386

00:22:24,480 --> 00:22:32,480

Anyway, one of them decided to put three cigarette butts down the muzzle of a muzzle loading rifle, and just for fun, fired at his buddy.

387

00:22:32,480 --> 00:22:34,480

It didn't turn out well.

388

00:22:34,480 --> 00:22:36,480

Sounds like it's a bad case of heartburn.

389

00:22:36,480 --> 00:22:37,480

It killed him.

390

00:22:38,480 --> 00:22:47,480

Alcohol and guns may be great on their own, but together they're never a good combination.

391

00:22:47,480 --> 00:22:53,480

Add cigarettes to the mix, and you've got a visit to the ER just waiting to happen.

392

00:22:53,480 --> 00:22:58,480

The story goes that two alcohol-fueled buddies had a boozy idea.

393

00:22:58,480 --> 00:23:06,480

They loaded up a rifle with three cigarette butts, took aim from seven feet, but that's when things went horribly wrong.

394

00:23:07,480 --> 00:23:11,480

And you, the viewers, want to know if this could really happen.

395

00:23:14,480 --> 00:23:16,480

I just had the funniest daydream.

396

00:23:16,480 --> 00:23:17,480

Anyway, so what's the plan?

397

00:23:17,480 --> 00:23:19,480

Well, it's pretty straightforward.

398

00:23:19,480 --> 00:23:27,480

We get a ballistics gel dummy, some cigarettes, some gunpowder, a muzzle loading rifle, and a firearm range.

399

00:23:27,480 --> 00:23:32,480

You know, in this one, I'd also like to add a heart to our ballistics gel test subject.

400

00:23:32,480 --> 00:23:37,480

That way, if a cigarette gets all the way through the skin and into the heart, we know we've got death.

401

00:23:37,480 --> 00:23:40,480

Well, it's kind of gross and smelling. I like it.

402

00:23:40,480 --> 00:23:42,480

It's never stopped us before.

403

00:23:42,480 --> 00:23:53,480

The plan is to pack a muzzle loading rifle with black powder and three cigarette butts, then take aim at a ballistics gel dummy from seven feet for some heart-stopping action.

404

00:23:53,480 --> 00:24:00,480

So while Jamie rustles up a rifle, Adam shoots to the workshop to fire up a boozy ballistics buddy.

405

00:24:00,480 --> 00:24:09,480

Like a lot of other myths where we've got something deadly that occurs, we're going to test this by making a human analog to show whether or not death has occurred.

406

00:24:09,480 --> 00:24:20,480

In this, I'm using a very old Mythbusters torso mold, which we've used on countless myths, except I'm pouring into it a brand new ballistics medium we've got.

407

00:24:20,480 --> 00:24:23,480

This stuff is totally clear.

408

00:24:23,480 --> 00:24:32,480

Like regular ballistics gel, this stuff has the same properties as human tissue, but has the added bonus of being crystal clear.

409

00:24:32,480 --> 00:24:36,480

That'll help the team see right through to the heart of the matter.

410

00:24:36,480 --> 00:24:45,480

If any of these cigarette butts actually reach that heart, we will know that not only are cigarettes deadly, so are the butts.

411

00:24:45,480 --> 00:24:49,480

For this viewer myth, only a shot through the heart will do.

412

00:24:49,480 --> 00:24:54,480

So the pig's heart is perfectly suspended. I like its placement, I like its distance back from the front.

413

00:24:54,480 --> 00:24:59,480

All that has to happen now is that the ballistics media has to cool down, and then we can experiment with it.

414

00:24:59,480 --> 00:25:04,480

And with a miracle of television, twelve hours pass in a heartbeat.

415

00:25:04,480 --> 00:25:09,480

This is going to be great. This stuff is perfect.

416

00:25:09,480 --> 00:25:16,480

With buddy all set, they pack up the shooting party and head out to the range to meet an old friend.

417

00:25:16,480 --> 00:25:18,480

What's right here doing, Jamie? Nice to see you.

418

00:25:18,480 --> 00:25:19,480

Always a pleasure.

419

00:25:19,480 --> 00:25:22,480

Welcome to the South San Francisco Police Department.

420

00:25:22,480 --> 00:25:34,480

To test the killer butts, Adam and Jamie are back at the familiar ground of South San Francisco Police Department gun range, and to help them get fired up is Master Sergeant Alan Normandy.

421

00:25:34,480 --> 00:25:36,480

Al, we have a doozy for you today.

422

00:25:36,480 --> 00:25:38,480

Well, I'd love to hear this one.

423

00:25:38,480 --> 00:25:43,480

This one is a guy who decides to do an experiment with his 50 caliber black powder rifle.

424

00:25:43,480 --> 00:25:52,480

He loads it with the black powder charge, but instead of a bullet, he actually puts in three cigarette butts and shoots at a friend of his, killing his friend.

425

00:25:52,480 --> 00:25:59,480

Well, I always heard tobacco will kill you, but this is the first way that I've heard that's different from smoking it. So let's see.

426

00:25:59,480 --> 00:26:05,480

Jamie brings out the big guns with an exact replica of the rifle used in the myth.

427

00:26:05,480 --> 00:26:06,480

Looks good to me.

428

00:26:06,480 --> 00:26:07,480

It's a nice one, huh?

429

00:26:07,480 --> 00:26:08,480

It's pretty.

430

00:26:08,480 --> 00:26:13,480

It certainly is a beauty, and soon, buddy's going to be staring down its barrel.

431

00:26:13,480 --> 00:26:16,480

But first, a word from his creator.

432

00:26:16,480 --> 00:26:24,480

For us to confirm a kill from the cigarette butts, we'd need to see them go through the front of the chest and into the heart.

433

00:26:24,480 --> 00:26:31,480

Now, we didn't put a rib cage in this because the myth isn't that the cigarette butts got through the spaces in a rib cage.

434

00:26:31,480 --> 00:26:34,480

It's whether or not they actually pierced his heart and killed him.

435

00:26:34,480 --> 00:26:36,480

So which one of you guys is taking the shot?

436

00:26:36,480 --> 00:26:37,480

I'll take the shot.

437

00:26:37,480 --> 00:26:39,480

I'm a better shot anyway.

438

00:26:39,480 --> 00:26:46,480

Jamie will take the shot, and as they load the rifle, Adam has a revelation.

439

00:26:46,480 --> 00:26:49,480

Now, this is the moment where the whole scene plays itself out, right?

440

00:26:49,480 --> 00:26:53,480

I look down at that, I go, oh, hell, look, they fit right in there.

441

00:26:53,480 --> 00:26:57,480

Hey, what say you stand right over there and I shoot you with that?

442

00:26:57,480 --> 00:27:02,480

Yeah! That sounds like a great idea.

443

00:27:02,480 --> 00:27:10,480

Once the rifle is locked and loaded with the three cigarette butts, Jamie takes aim from seven

feet, the same distance as the myth.

444

00:27:10,480 --> 00:27:16,480

All right, Jamie, this is three cigarette butts, 80 grams of black powder from seven feet when you're ready.

445

00:27:16,480 --> 00:27:18,480

Stand by for smoke.

446

00:27:21,480 --> 00:27:24,480

That's a thud!

447

00:27:25,480 --> 00:27:31,480

Indeed it was, but was it a long shot or is Buddy heartbroken?

448

00:27:31,480 --> 00:27:33,480

All right, let's see what happened here.

449

00:27:33,480 --> 00:27:36,480

I see a lot of fluff. I don't see any penetration.

450

00:27:36,480 --> 00:27:40,480

I don't see any subcutaneous damage here.

451

00:27:40,480 --> 00:27:45,480

Buddy survived the first test and on closer inspection, Al thinks he knows why.

452

00:27:45,480 --> 00:27:49,480

There's black powder all over Buddy's chest.

453

00:27:49,480 --> 00:27:55,480

What the unburned powder suggests to me is perhaps that the powder charge isn't tightly packed enough.

454

00:27:55,480 --> 00:27:59,480

If we pack it tighter, we get more pressure, perhaps more penetration.

455

00:27:59,480 --> 00:28:06,480

So Al's theory is that the black powder didn't all burn, meaning the butts weren't traveling at maximum speed.

456

00:28:06,480 --> 00:28:12,480

So for test two, they'll pack the butts in tighter for a faster exit velocity.

457

00:28:12,480 --> 00:28:16,480

We're talking. You can hear it squeak when you push it.

458

00:28:16,480 --> 00:28:18,480

That's much better.

459

00:28:18,480 --> 00:28:23,480

Okay, so second shot, more wadding, whenever you're ready.

460

00:28:27,480 --> 00:28:29,480

That looked impressive.

461

00:28:29,480 --> 00:28:33,480

Sounds impressive, but what's Buddy's prognosis this time?

462

00:28:33,480 --> 00:28:42,480

Again, more of the wadding and more of the filter, but I don't think we have a lethal hit there.

463

00:28:42,480 --> 00:28:43,480

Nope.

464

00:28:43,480 --> 00:28:50,480

The tight wad hasn't given anything up. The butts are not lethal and Jamie has a theory as to why.

465

00:28:50,480 --> 00:28:57,480

More wadding didn't do it. What we're seeing is kind of a shotgun-like effect where the cigarette butts are spraying out,

466

00:28:57,480 --> 00:29:04,480

going in all directions instead of hanging together to go down one hole, which is what we need for a kill.

467

00:29:04,480 --> 00:29:12,480

So far, this myth is zero for two. Sorry, viewers, it's not looking good for the smoking gun.

468

00:29:14,480 --> 00:29:16,480

Soon, the boys go ballistic.

469

00:29:16,480 --> 00:29:19,480

Look at that. That used to be your parents' car.

470

00:29:19,480 --> 00:29:24,480

But first, they'll shoot to the heart of the matter with killer cigarette butts.

471

00:29:24,480 --> 00:29:26,480

It bleeds!

472

00:29:36,480 --> 00:29:39,480

Next, the teams serve up another viewer myth.

473

00:29:39,480 --> 00:29:44,480

So this one's being talked about by thousands of fans.

474

00:29:44,480 --> 00:29:49,480

There are mythical ways to open your car door locks when you don't have your keys.

475

00:29:49,480 --> 00:29:55,480

All you do is you take a tennis ball, you cut a hole in it, stick the hole over the car lock, and press it as hard as you can.

476

00:29:55,480 --> 00:29:58,480

And somehow, the air pressure will unlock your car door.

477

00:29:58,480 --> 00:30:02,480

Well, this sounds just crazy, so why don't we just go ahead and try them?

478

00:30:03,480 --> 00:30:05,480

No, they're not making this up.

479

00:30:05,480 --> 00:30:10,480

It's an ace viral video from the Internet, scoring millions of hits.

480

00:30:10,480 --> 00:30:12,480

And it goes something like this.

481

00:30:12,480 --> 00:30:15,480

A humble tennis ball serves as a lock pick.

482

00:30:15,480 --> 00:30:24,480

With a small hole cut into the ball, the leading lady holds the hole to the lock, squeezes the ball, and hey, presto, the car unlocks.

483

00:30:24,480 --> 00:30:27,480

So, does this actually work?

484

00:30:27,480 --> 00:30:30,480

Tori gets the balls rolling.

485

00:30:30,480 --> 00:30:31,480

Okay, what do you got?

486

00:30:31,480 --> 00:30:35,480

Alright, so I looked at the video and she had cut a hole about this size.

487

00:30:35,480 --> 00:30:39,480

And what they're saying is the air pressure is opening up the car door lock.

488

00:30:39,480 --> 00:30:41,480

The pressure from the ball.

489

00:30:41,480 --> 00:30:44,480

Yeah, from the air pressure from inside the ball.

490

00:30:44,480 --> 00:30:54,480

So what I'm thinking is, if it's about air pressure, I cut another smaller hole in this tennis ball, and hopefully that'll give us a stronger stream of air.

491

00:30:54,480 --> 00:31:00,480

That's all they need. Two tennis balls, two different air pressures, and of course, the lock.

492

00:31:00,480 --> 00:31:05,480

Okay, so, just like in the video, electronic door lock.

493

00:31:05,480 --> 00:31:06,480

Go for it.

494

00:31:06,480 --> 00:31:08,480

Okay, so we'll do the big hole first.

495

00:31:08,480 --> 00:31:14,480

And she said, all you need to do is push it as hard as you can.

496

00:31:14,480 --> 00:31:18,480

Wow, it's not working.

497

00:31:18,480 --> 00:31:22,480

It looked like I'm doing it the same way.

498

00:31:22,480 --> 00:31:30,480

It's love one for the tennis ball, but perhaps the ball with the smaller hole and greater air pressure will pop the lock.

499

00:31:30,480 --> 00:31:32,480

You want to try the smaller hole?

500

00:31:32,480 --> 00:31:34,480

Yeah, go for it.

501

00:31:34,480 --> 00:31:36,480

Not exactly open sesame.

502

00:31:36,480 --> 00:31:43,480

That's game set and match for the car, but the team aren't ready to stop play just yet.

503

00:31:43,480 --> 00:31:49,480

So let's take apart what exactly you think people would think this works by.

504

00:31:49,480 --> 00:31:51,480

I think it's all about air pressure.

505

00:31:51,480 --> 00:31:56,480

All right, why don't we get the shop air and just shove it into the lock and blow.

506

00:31:56,480 --> 00:32:01,480

Make a complete seal around the key lock so see if air pressure can at all open the lock.

507

00:32:01,480 --> 00:32:07,480

Sounds like a plan. After all, if it's worth doing, it's worth overdoing.

508

00:32:07,480 --> 00:32:11,480

With a perfect seal, they'll pump in 100 psi of shop air.

509

00:32:11,480 --> 00:32:14,480

And if anything is going to jimmy the lock, it's this.

510

00:32:14,480 --> 00:32:15,480

All right, Grant.

511

00:32:15,480 --> 00:32:16,480

Okay.

512

00:32:16,480 --> 00:32:17,480

Blows away.

513

00:32:17,480 --> 00:32:22,480

So this will be the ideal case for opening the lock with air pressure.

514

00:32:22,480 --> 00:32:26,480

Got compressed air and a really good seal.

515

00:32:26,480 --> 00:32:27,480

Ready?

516

00:32:29,480 --> 00:32:36,480

Despite pumping in more than 10 times the air pressure of the tennis ball, the car stays secure.

517

00:32:36,480 --> 00:32:38,480

I think that was pretty definitive.

518

00:32:38,480 --> 00:32:42,480

Sorry, viewers, but the tennis ball opening the car lock is busted.

519

00:32:42,480 --> 00:32:47,480

And even ideal seal air pressure won't open the car lock.

520

00:32:47,480 --> 00:32:50,480

You know, they did it in the video though. How do you think they did that?

521

00:32:50,480 --> 00:32:53,480

I think we should show the viewers how we think they did it in the video.

522

00:32:54,480 --> 00:33:02,480

Cut to Mythbusters Masterpiece Theater, where with some editing genius, we can show you exactly how it was done.

523

00:33:02,480 --> 00:33:07,480

Carrie puts the tennis ball to the lock and, hey presto, the door unlocks.

524

00:33:07,480 --> 00:33:10,480

But didn't they just bust tennis balls?

525

00:33:10,480 --> 00:33:17,480

Yes, they did. It's not the tennis ball. It's actually Tori behind the camera with the key.

526

00:33:17,480 --> 00:33:23,480

Just goes to show, and this is important, you can't believe everything you see on the Internet,

527

00:33:23,480 --> 00:33:26,480

which means that's another viewer myth busted.

528

00:33:29,480 --> 00:33:34,480

There were way too many great ideas for our viewer special, so we had to cut out a few.

529

00:33:34,480 --> 00:33:42,480

But if you want to see more sword-stabbing action, log on to [Discovery.com slash Mythbusters](http://Discovery.com/slash/Mythbusters) and check it out.

530

00:33:53,480 --> 00:33:57,480

Adam and Jamie have been firing up a drunken disorderly viewer myth.

531

00:33:57,480 --> 00:34:04,480

The fans want to know if cigarette butts fired from a muzzle-loading rifle could pierce a heart.

532

00:34:04,480 --> 00:34:10,480

It's not going well for the guys, but for once, there's a policeman when you need him.

533

00:34:10,480 --> 00:34:16,480

Well, the cop in me has a question, and that is, are we thinking that filters are the same as cigarette butts?

534

00:34:16,480 --> 00:34:18,480

I see where you're going with this.

535

00:34:18,480 --> 00:34:23,480

Yeah, I mean, typically you wouldn't smoke it all the way down to the end. There'd be a little bit left on it.

536

00:34:23,480 --> 00:34:31,480

That adds up to a certain amount of weight as well as you've got nicotine and tar and other crap that is collecting in the filter, right?

537

00:34:32,480 --> 00:34:38,480

Up till now, we have been firing what we've called cigarette butts. In fact, it's just the filter torn off a cigarette.

538

00:34:38,480 --> 00:34:43,480

We have posited that perhaps this is what a smoker would be playing with.

539

00:34:43,480 --> 00:34:52,480

A full smoked butt, burnt tobacco, everything. This wastes three times as much as this, and thus, very likely has much more deadly force in it.

540

00:34:53,480 --> 00:34:58,480

The unsmoked butts are out of the picture. They've been all fluff and no fury.

541

00:34:58,480 --> 00:35:02,480

Maybe the smoked butts will prove to be deadly.

542

00:35:02,480 --> 00:35:08,480

All right, three pre-smoked butts. That is nasty.

543

00:35:08,480 --> 00:35:15,480

So this is pre-smoked butts, three of them, same amount of water as last time, at seven feet.

544

00:35:15,480 --> 00:35:17,480

All right, we're ready to fire.

545

00:35:18,480 --> 00:35:22,480

As the smoke clears, the guys go in for a closer look.

546

00:35:22,480 --> 00:35:26,480

Oh, wait. There's definitely some real skin breakage here.

547

00:35:26,480 --> 00:35:30,480

There's some penetration, but it's certainly not lethal.

548

00:35:30,480 --> 00:35:34,480

Yeah, he'd be bleeding. That's about it. So what's next?

549

00:35:34,480 --> 00:35:41,480

Well, I'm starting to think we've replicated all the technical details, and I think they might have been lying about the distance that they shot at.

550

00:35:41,480 --> 00:35:43,480

I'd say we moved to point blank range.

551

00:35:44,480 --> 00:35:45,480

Okay.

552

00:35:45,480 --> 00:35:48,480

This is the final chance for this viewer myth.

553

00:35:48,480 --> 00:35:53,480

If the butts at this range don't break Buddy's heart, then it's busted.

554

00:35:53,480 --> 00:36:00,480

We're down to our last option, which is just to move in point blank range, because it's not working from seven feet.

555

00:36:00,480 --> 00:36:06,480

I can't help but think that all that energy coming out of that gun muscle is going to do something to this if we're close enough.

556

00:36:06,480 --> 00:36:09,480

Jamie moves in for the kill.

557

00:36:10,480 --> 00:36:13,480

Trigger set. Okay, everybody ready?

558

00:36:13,480 --> 00:36:14,480

Ready.

559

00:36:19,480 --> 00:36:23,480

Look, it bleeds.

560

00:36:26,480 --> 00:36:31,480

That's a shot through the heart and Jamie's to blame.

561

00:36:31,480 --> 00:36:33,480

Does it feel like you're going into the heart?

562

00:36:33,480 --> 00:36:36,480

Dude, yeah, it does.

563

00:36:36,480 --> 00:36:40,480

I believe what we have there is what I'd call a confirmed kill.

564

00:36:40,480 --> 00:36:41,480

That's lethal.

565

00:36:41,480 --> 00:36:42,480

He's dead.

566

00:36:42,480 --> 00:36:45,480

A few feet made all the difference for Buddy.

567

00:36:45,480 --> 00:36:50,480

The dummy is dead. No F-sans or, well, butts.

568

00:36:50,480 --> 00:36:56,480

And it also goes to prove the golden rule with guns. Don't aim a gun at anything you don't intend to destroy.

569

00:36:56,480 --> 00:37:01,480

Wise words. So what's the verdict for killer cigarette butts?

570

00:37:01,480 --> 00:37:05,480

So, cigarette butts fire to point blank range. Is he alive or dead?

571

00:37:05,480 --> 00:37:06,480

Dead.

572

00:37:06,480 --> 00:37:07,480

Dead.

573

00:37:07,480 --> 00:37:09,480

That makes the status of the myth?

574

00:37:09,480 --> 00:37:10,480

Confirmed.

575

00:37:35,480 --> 00:37:42,480

So, how do you pay attention? Here's where we stand so far. A viewer, a kid, wrote in and asked us to blow up his parents car.

576

00:37:42,480 --> 00:37:46,480

We figured why not do a real explosion of a car but also show how Hollywood does it.

577

00:37:46,480 --> 00:37:54,480

So, for the first blast we placed a couple gallons of gasoline with a little bit of explosives in this car and should a big fireball but not much destruction.

578

00:37:54,480 --> 00:37:59,480

Now it's time to make this car go away. So we have a lot of time to do that.

579

00:37:59,480 --> 00:38:11,480

It's time to make this car go away. So we have put many hundreds of times the explosives in the same spot as the gasoline and another batch under the hood.

580

00:38:11,480 --> 00:38:17,480

Just for good measure. I'm about to retreat to our detonation zone and we're going to make this car disappear.

581

00:38:17,480 --> 00:38:24,480

But before plunging the plunger, the boys first get a taste of things to come. Thanks to tour guide Frank Doyle.

582

00:38:24,480 --> 00:38:25,480

How's it going, Frank?

583

00:38:25,480 --> 00:38:33,480

Hey, okay guys. Give you the tour here. Under the hood we are doing the tune up with a large bag of blasting agent there.

584

00:38:33,480 --> 00:38:34,480

Alright.

585

00:38:34,480 --> 00:38:42,480

You can see. And then moving on down here, we'll close that up. And moving on down to the interior of our vehicle here.

586

00:38:42,480 --> 00:38:48,480

We have a quantity, a midship here and then another quantity on the back beam here.

587

00:38:48,480 --> 00:38:51,480

And with all of this, we would project that it's going to go away.

588

00:38:51,480 --> 00:38:55,480

It's going to go away. Alright, where do you want this to be for this one?

589

00:38:55,480 --> 00:38:59,480

A long way away. A long way away.

590

00:38:59,480 --> 00:39:03,480

Well, we've got a hill about a thousand feet distant. Is that far enough?

591

00:39:03,480 --> 00:39:06,480

Hey, we're all set to go and that should be perfect.

592

00:39:06,480 --> 00:39:07,480

Terrific.

593

00:39:07,480 --> 00:39:12,480

And all that really leaves is a chance to hear those myth busters predictions.

594

00:39:12,480 --> 00:39:17,480

Percentage of the car that will be remaining when we're all done with this, 5 to 10 percent.

595

00:39:17,480 --> 00:39:24,480

Strune over about a 300 foot radius. The experience? Priceless.

596

00:39:24,480 --> 00:39:28,480

For this task, we've picked a relatively slow and powerful explosive.

597

00:39:28,480 --> 00:39:31,480

So we're more into pushing and heaving and tearing.

598

00:39:31,480 --> 00:39:38,480

So when we detonate this, it will cause the car to go in 360 degrees.

599

00:39:38,480 --> 00:39:42,480

The word smash and smithereens spring to mind.

600

00:39:42,480 --> 00:39:45,480

Well Chris, I think it's about that time. Are you ready?

601

00:39:45,480 --> 00:39:48,480

How about you watch the thing through these things?

602

00:39:48,480 --> 00:39:52,480

Make sure, go ahead and check it out. Make sure you've got a good beat on the car.

603

00:39:52,480 --> 00:39:59,480

Fire in the hole! Fire in the hole!

604

00:39:59,480 --> 00:40:04,480

Three, two, one!

605

00:40:09,480 --> 00:40:10,480

Hold everybody, hold!

606

00:40:10,480 --> 00:40:12,480

Hold, hold, hold!

607

00:40:12,480 --> 00:40:15,480

No more car!

608

00:40:15,480 --> 00:40:18,480

No more car. Ain't that the truth?

609

00:40:18,480 --> 00:40:21,480

Nice work. Thanks for the car, Chris.

610

00:40:21,480 --> 00:40:24,480

Like the cement truck before it, now you see it.

611

00:40:24,480 --> 00:40:31,480

Now you don't. Here one minute, gone the next.

612

00:40:31,480 --> 00:40:35,480

What's here anew, you get the picture.

613

00:40:36,480 --> 00:40:44,480

Now, remember viewers, myth busters strongly advises that you don't try this with your parent's car.

614

00:40:44,480 --> 00:40:47,480

Or anyone's car for that matter.

615

00:40:49,480 --> 00:40:53,480

Wow, Armageddon out here. Look at this.

616

00:40:53,480 --> 00:40:56,480

It's kind of like car confetti.

617

00:40:59,480 --> 00:41:03,480

Each piece has a potential to be modern art. Come on out here, Chris.

618

00:41:03,480 --> 00:41:06,480

Look at that. That used to be your parent's car.

619

00:41:06,480 --> 00:41:08,480

There's your problem.

620

00:41:08,480 --> 00:41:15,480

One way that you can tell that myth busters has been in the area is to look for shrapnel in the trees.

621

00:41:15,480 --> 00:41:23,480

This right here is a piece of the car that we just blew up and it kind of tells you about what we've been up to.

622

00:41:25,480 --> 00:41:31,480

That explosion was a real one. It had a real force behind it and there was crap flying everywhere.

623

00:41:31,480 --> 00:41:36,480

Ain't that the truth? The movie magic was a blast.

624

00:41:36,480 --> 00:41:41,480

But it fails in comparison to what real explosives can do.

625

00:41:41,480 --> 00:41:48,480

I think that while some may look at the car after our first blast and go, well, I would call that car destroyed.

626

00:41:48,480 --> 00:41:53,480

I think this makes my case that there is a real difference quite clearly.

627

00:42:02,480 --> 00:42:04,480

Steering wheel still works, huh?

628

00:42:04,480 --> 00:42:13,480

Frank's left the car well and truly destroyed and viewers, given that this is your show, this repeat is for you.

629

00:42:21,480 --> 00:42:26,480

Well, Chris, Jimmy, I think our work here is done.

630

00:42:26,480 --> 00:42:30,480

Yeah, well, you know, let us know when you get it all cleaned up, all right?

631

00:42:31,480 --> 00:42:34,480

Well, that was cool. I can't believe you blew up a car.

632

00:42:34,480 --> 00:42:37,480

Well, that is what little Chris wanted us to do.

633

00:42:37,480 --> 00:42:43,480

After all, this is the viewers special and while we prefer busting than this, this is all for you, the viewers.

634

00:42:43,480 --> 00:42:48,480

That's right. We'll be back in another 12 episodes with another episode dedicated to your needs.

635

00:42:48,480 --> 00:42:53,480

Log on to Discovery.com slash MythBusters, follow the links and tell us your ideas.

636

00:42:53,480 --> 00:42:55,480

We'll be waiting.